NRC

Metropolitan
St. Louis Sewer
District

Bissell Point Treatment Plant
10 East Grand Avenue
St. Louis, MO 63147-2913

February 5, 2002

Cynthia Sans
Regional Sludge Coordinator
U.S. EPA Region VII
Water Division
901 North 5th Street
Kansas City, KS 66101

Re: Form S - Domestic Sludge Reporting
Metropolitan St. Louis Sewer District
Bissell Point Treatment Plant: MO-0025178

Dear Ms. Sans:

As requested, enclosed is our annual report for calendar year 2001 on sludge processed at our Bissell Point Treatment Plant. We have already forwarded this report to the Missouri Department of Natural Resources.

Sincerely,

Edwin R Cope Jr.

Ed Cope
Assistant Director of Wastewater
Bissell Point Treatment Plant
Metro St. Louis Sewer District
(314) 436-8749

MISSOURI DEPARTMENT OF NATURAL RESOURCES
WATER POLLUTION CONTROL PROGRAM

FORM S - DOMESTIC SLUDGE REPORTING

SECTION 1 - GENERAL INFORMATION

REPORTING PERIOD: (YEAR) 2001

FACILITY NAME: BISSELL POINT TREATMENT PLANT

CITY NAME: ST. LOUIS

PERMIT NUMBER: MO 0025178

COUNTY NAME: ST. LOUIS CITY

Instructions: See Instruction Sheet for directions.

1. Sludge Production, including sludge received from others:

37,369 Actual Dry Tons/Year 1,149,996 Actual Population Equivalent

2. Sludge Treatment:

_____Anaerobic Digester
_____Storage Tank
_____Lime Stabilization
_____Aerobic Digester
_____Air or Heat Drying
_____Other, Describe, _____
_____Composting

3. Sludge Use or Disposal: Complete the rest of this form only for the sections applicable to your method of sludge and biosolids use or disposal.

X	**All Permitees**	**Complete Section 1**
__	Land Application (LA)	Complete Sections 2 & 3
__	Contract Hauler (CH) > 150 PE	Complete Sections 2 & 4
__	Contract Hauler (CH) < 150 PE	Complete Section 4
__	Hauled to another Treatment Facility (HT)	Complete Section 4
__	Solid Waste Landfill (LF)	Complete Section 4
__	Sludge Disposal Lagoon (SD)	Complete Section 5
X	Incineration (IN)	Complete Section 6
__	Sludge Hauled to Incinerator (IO)	Complete Section 6

4. Certification: I certify under penalty of law that the information contained in this report and attachments are true and correct. This determination has been made under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information used to determine these requirements have been met. I am aware that there are significant penalties for false certification, including the possibility of fine and imprisonment.

Edwin R. Cope, Jr.
Print Name

ASSISTANT DIRECTOR OF WASTEWATER
Official Title

Edwin R. Cope Jr.
Signature

1/29/02
Date

(314) 436-8749
Phone

FORM S - SECTION 6 SLUDGE INCINERATION

Permit No: MO 0025178

Report Period: Calendar Year 20

Facility Name: Bissell Point Treatment Plant

Complete this section if you operate a sewage sludge incinerator. If you your sludge to a regional incineration facility, do not complete this form use Form S - Section 4. Applicable sludge requirements are listed under P III Standard Conditions.

Show both the water pollution control permit number (MO-), the solid waste disposal permit number (SW), and the Air Pollution Control Permit (AP) unde 6.12.

6.10 Sludge Incinerator Permits

6.12 Permit No: MO- 0025178 SW 718905 AP City of St. Lo

6.13 The incinerator emissions limitations and operating requirements met th requirements in 40 CFR 503 Subpart E.

X Yes ___ No Attach testing data required by EPA permit.

6.20 Sludge Monitoring

___ Sludge or ash monitoring required by State permit. Attach copies of laboratory results.

SLUDGE MONITORING DATA

PARAMETER	UNITS	AVERAGE	MINIMUM	MAXIMUM	NUMBER OF SAMPLES
Arsenic	mg/kg	3.0	1.4	6.6	12
Cadmium	mg/kg	20.9	7.98	37.5	12
Chromium	mg/kg	80	52	108	12
Lead	mg/kg	96.6	50.7	182	12
Nickel	mg/kg	36	20	44	12
Mercury	mg/kg	0.41	0	0.97	12

6.30 Person Responsible for Final Ash Disposal

___ Ash is disposed on-site.

X Ash is disposed off-site by the generator.

___ Ash is disposed at another permitted disposal facility

6.31 Disposal Facility Name: Prospect Hill Land Reclamation Site

6.32 Contact person: Edwin R. Cope, Jr.

6.33 Phone: (314) 436-8749

6.34 Permit No: MO- 0025178 SW 718905 AP

6.35 Ash Disposal Method: District Owned/Operated Landfill

6.36 Legal: ___1/4, ___1/4, Sec___, T 46N, R 7E

6.40 Ash Storage Ponds

X Sludge incineration ash is not stored in earthen structures.

___ Sludge incineration ash is stored in earthen structures. Comple
all parts on page 2.

C 6.41 Legal: SE 1/4, ___ 1/4, Sec 35, T 46N, R 7E, County St. Louis (

6.42 X Ash pond has received ash during the report period.

6.43 ___ Ash pond did not receive ash during the report period but has not been closed in accordance with a closure plan approved by the department.

6.44 8.26 surface acres of ash pond 14 feet of ash depth

6.45 5,040,000 cubic feet pond (design) 3,780,000 cubic feet ash (curren

6.46 50% average percent solids of ash in the pond.

6.47 1870 Date of ash pond construction (approximate if not known)

6.48 Geologic Report for Ash Pond

Attach copy of current (since July 1, 1993) geologic evaluation report b the Department of Natural Resources, Division of Geology and Land Survey (DGLS).

6.49 Ash Pond Seal

The ash pond must meet one of the following requirements

___ Lagoon bottom and side seal meets current sealing requirements of 10^{-7} cm/sec per 10 CSR 20-8.200(6)(C) or 8.020(13)(A).

___ Lagoon seal meets requirements for a composite liner per Solid Waste Management Law and regulations under 10 CSR 80.

If above seal requirement is not met, attach explanation.

6.50 Alternate Limits

Are alternate limits or exceptions listed in the Special Conditions section of the wastewater treatment facility permit or sludge generator permit?

X Yes ___ No If yes, attach explanation sheet.

See NPDES Permit MO 0025178, Special Condition 6 on Page 6 of 9.

Bissell Point Treatment Plant
2001 Annual Report

	Wet Tons	Percent Solids	Dry Tons	Flow (mgd)	P.E.
January	12,578	23	2897	116	1,158,710
February	13,826	24	3330	117	1,167,241
March	15,582	23	3594	117	1,165,484
April	14,508	23	3263	119	1,186,333
May	12,343	24	2952	123	1,228,710
June	14,872	25	3704	133	1,331,667
July	14,498	23	3386	112	1,123,226
August	13,107	24	3105	105	1,048,387
September	13,383	23	3090	99	992,667
October	11,209	24	2731	111	1,109,677
November	10,474	22	2357	105	1,053,333
December	13,075	23	2961	123	1,234,516
Total	159454		37369		
Average	13288	23	3114	115	1,149,996

Note: Population Equivalent (PE) is based on flow

Bissell Point Treatment Plant
Sludge Report for 2001

Form S - Part 1

The design sludge handling and processing quantities come from the requirements dictated by the City of St. Louis in our incinerator operating permit. This permit limits the annual incinerated sludge quantity to 74,369 dry tons. The plant handled a total of 37,369 dry tons in 2001. This includes sludge originally generated at MSD's Coldwater Creek, Grand Glaize, Fenton, and Missouri River wastewater treatment plants which were conveyed to Bissell Point for dewatering and incineration. This year sludge was received only from the Grand Glaize and Fenton treatment facilities.

Form S Section 6 - Part 6.13

Incinerators 1 and 2 were stack tested in May 2000 and Incinerators 3, 4, and 5 were stack tested in November 2000 as required by our permit from the City of St. Louis and the 503 sludge regulations. Incinerator #6 was tested in July of 1997 and met all test parameters.

Form S Section 6 - Part 6.20

Attached are the results of analysis required in the plants NPDES permit for the plants sludge and ash. Tests include TCLP and 503 metals for the sludge. Also included is the quantity of ash hauled to final disposal during each month of 2001.

Form S Section 6 - Part 6.48

No geologic evaluation report has been completed because the Bissell Point Ash Basins are not earthen structures and are used only for temporary ash storage prior to landfilling.

Form S Section 6 - Part 6.49

The ash basins are constructed with limestone and mortar side walls and a paving brick/concrete bottom.

Form S Section 6 - Part 6.50

NPDES permit MO0025178 contains special conditions regarding sludge and biosolids use. Special Condition 6 on page 6 of the permit is attached.

SLURPT01.ATT

C. SPECIAL CONDITIONS (continued)

.. Sludge and Biosolids Use For Domestic Wastewater Treatment Facilities

a. Permittee shall comply with the pollutant limitations, monitoring, reportin and other requirements in accordance with the attached permit Standard Conditions.

b. Exceptions to the Part III Standard Conditions are as follows:

(1) Metals testing of the sludge under subsection J.1 is not required for t copper, total molybdenum, total selenium and total zinc.
(2) The remaining metals listed in subsection J.1 shall be tested at least per month.

c. The sample type in Section J paragraph 2.d. of Part III Standard Conditions requires a composite sample consisting of at least seven (7) grab samples collected within the same week. The composite sample may consist of grab samples collected on the same day or the grab samples may be spread over several days during the same week.

7. This permit may be modified, or alternatively revoked and reissued, to comply with a applicable effluent standard or limitation issued or approved under Sections 301(b)((C), and (D), 304(b)(2) and 307(a)(2) of the Clean Water Act, if the effluent standa or limitation so issued or approved:

(a) Contains different conditions or is otherwise more stringent than any efflu limitation in the permit; or
(b) Controls any pollutant not limited in the permit.

The permit as modified or reissued under this paragraph shall also contain any o requirements of the Act then applicable.

8. Combined Sewer Overflow

The permittee shall immediately implement the Nine (9) Minimum Controls contained in Combined Sewer Overflow Management Plan previously approved by the department. In addition, the permittee shall meet the following schedule to conform with the Federa Combined Sewer Overflow (CSO) Control Policy:

Documentation that demonstrates implementation of the nine (9) minimum controls
--January 1, 1997

Long Term CSO Control Plan:

Complete Characterization, Monitoring and Modeling Program
--January 1, 1997

Submit CSO Control Plan
--June 30, 1999

The permittee is authorized to discharge from the CSO outfalls previously identified the approved management plan and additional CSO outfalls, within the boundaries of t permittee's jurisdiction, identified after the effective date of the permit that are conformance with the above schedule and Federal CSO Policy dated Tuesday, April 19, 1994.

9. Hauled Waste Acceptance Report

The department has approved the permittee's hauled waste acceptance program. The permittee shall submit to the department, within 30 days of the last day of each mon a summary report on wastes accepted under this program for the preceding month at ea of its designated acceptance points. The report shall identify the source types, volumes and delivery dates and shall identify the specific sources of all non-domesti wastes.

DEC-SLUDGE ANALYSIS
Bissell STP Metals
DAILY COMPOSITE
Concentration (mg/kg Dry Weight Basis)

RT TE	HG	AS	CD	CR	PB	NI	% SOLIDS
/01	<0.25	4.7	21.01	71	101.9	28	23.0
/01	0.44	4.4	21.09	99	114.0	42	23.0
/01	0.32	3.4	37.50	77	69.7	34	22.0
/01	0.38	3.2	33.70	92	76.3	39	21.0
'01	0.41	6.6	18.50	64	182.0	41	28.0
'01	0.30	1.4	20.75	100	110.4	38	25.0
01	0.67	1.7	20.35	70	124.0	44	30.0
01	0.34	1.7	18.04	52	50.7	20	20.0
01	0.42	2.2	15.29	61	66.3	36	22.0
01	0.40	2.7	23.44	108	93.0	32	22.0
01	0.28	2.8	12.92	77	60.5	38	22.0
01	0.97	1.7	7.98	92	110.6	42	21.0
MIN:	0.00	1.4	7.98	52	50.7	20	20.0
IAX.	0.97	6.6	37.50	108	182.0	44	30.0
VG:	0.41	3.0	20.88	80	96.6	36	23.3
TD:	0.23	1.5	8.10	18	36.0	7	3.0

SLUDGE HAULED FROM FENTON TO LEMAY T.P. AND BISSELL T.P.

	Dry Tons Produced	Dry Tons to Bissell	Net Taken to Lemay
Jan	134.00		134.00
Feb	123.40	13.79	109.61
Mar	155.50	114.16	41.34
Apr	140.00		140.00
May	156.00		156.00
Jun	170.99		170.99
Jul	138.22		138.22
Aug	144.19		144.19
Sep	144.24		144.24
Oct	102.22		102.22
Nov	108.30	40.25	68.05
Dec	77.60		77.60
TOTAL	1,594.66	168.20	1,426.46

Grand Glaize Treatment Plant

Sludge Hauled from GGTP to Superior Oakridge Landfill

	Dry Tons Produced		Dry Tons to Bissell		Net Taken to Superior
Jan	330.70		82.74		247.96
Feb	301.90		105.34		196.56
Mar	233.90		71.67		162.23
Apr	303.70		93.38		210.32
May	285.90		55.89		230.01
Jun	274.40		59.41		214.99
Jul	280.40		76.98		203.42
Aug	281.60		64.99		216.61
Sep	267.30		89.08		178.22
Oct	294.20		67.69		226.51
Nov	297.80		94.40		203.40
Dec	319.70		119.44		200.26
TOTAL	3,471.50		981.01		2,490.49

MISSOURI DEPARTMENT OF NATURAL RESOURCES
WATER POLLUTION CONTROL PROGRAM
FORM S - SECTION 4. SLUDGE HAULING

PERMIT NO.:	REPORTING PERIOD: CALENDAR YEAR
MO-0101362	2001

FACILITY NAME: MSD - GRAND GLAIZE WWTP

Complete this section if the sludge generator or contract hauler transports sludge to another wastewater treatment facility or sludge disposal facility. Applicable sludge requirements are listed under Part II Standard Conditions.

Show the applicable water pollution control permit number (MO–) under 4.14 and 4.24. If disposal is at a landfill, surface disposal facility, or sludge disposal lagoon, the solid waste disposal permit number (SW) must also be given.

If the facility has a design population equivalent (P.E.) of 150 or less, treat the sludge generated as septage and consequently, no testing is required. See WQ 422 guide, *Land Application of Septage*, for further guidance.

4.10 Person Responsible for Hauling Sludge to Disposal Facility

4.11 HAULER NAME: METROPOLITAN St. Louis SEWER DISTRICT (MSD)

4.12 CONTACT PERSON: TODD V. HELLER

4.13 CONTACT ADDRESS: MSD - GRAND GLAIZE TREATMENT PLANT
1000 GRAN GLAIZE PKWY
VALLEY PARK, MO. 63088-1952

4.14 PHONE	PERMIT NO:	
636-861-6701	MO- 0101362	SW

4.20 Person Responsible for Final Sludge Disposal

4.21 FACILITY NAME: MSD - BISSELL Pt. WWTP

4.22 CONTACT PERSON: Ed COPE

4.23 CONTACT ADDRESS: 10 EAST GRAND
St. Louis, MO. 63147

4.24 PHONE	PERMIT NO:	
314-436-8749	MO- 0025178	SW 718905

4.25 SLUDGE DISPOSAL METHOD: INCINERATION with ASH DISPOSAL NA SPECIAL WASTE

4.26 LEGAL: SE 1/4, ____ 1/4, SEC 35, T 46N, R 7E, COUNTY City of St. Louis

4.30 Sludge Removal from Treatment Facility

4.31 CAPACITY OF SLUDGE HOLDING STRUCTURES

Sludge storage provided: _____ gallons.

DAYS OF STORAGE

AVERAGE PERCENT SOLIDS OF SLUDGE

☒ No sludge storage is provided

4.32 Sludge hauled for disposal during the report period.

DRY TONS	CUBIC FEET	GALLONS
3,471.50 SEE ATTACHED TABLE-1		

4.33 Number of dry tons or gallons hauled each month from the wastewater treatment facility:

JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
330.7	301.9	233.9	303.7	285.9	274.4	280.4	281.6	267.3	294.2	297.8	319.7

If sludge hauled was more than the sludge holding capacity, attach explanation.

4.40 Sludge Monitoring (Per Subsection J of Part III Standard Conditions)

☒ 4.41 If the receiving facility is a permitted facility, then it is responsible for testing and submitting section 2.

☐ 4.42 If the receiving facility is not a permitted facility, then the generator is responsible for testing and completing section 2.

4.50 Sludge Disposal Requirements

4.51 If the disposal facility listed under 4.20 does not have a sludge disposal permit, the wastewater treatment facility or sludge generator shall submit detailed information on sludge disposal:

☐ Attach completed Section 3 of Form S, if sludge is land applied.

☐ Attach sheets providing the information listed under section K of Part III Special Conditions, if sludge is not land applied.

4.52 Are alternate limits or exceptions listed in the Special Conditions section of the wastewater treatment facility permit or sludge generator permit?

☐ Yes ☒ No If yes, attach explanation sheet.

MSD SUMMARY OF PETTY CASH DISBURSMENT

DATE	CASH RECEIVED BY	EXPLANATION	DEPT/DIV/ AGCY ORG.	ACTIVITY	OBJ	SUB OBJ	AMOUNT
12/08/01	G. Buchanan	Coffee Filters for Mtgs.	070 070	220	239		5.69
12/12/01	E. Cope, Jr.	Donuts for Safety Mtg.	070 070	220	239		9.67
12/19/01	C. Scott	Keys (2)	070	220	207		2.69
12/13/01	E. Cope, Jr.	Postage	070	220	401		4.86
12/27/01	C. Scott	Postage	070	220	401		3.94
01/07/02	E. Cope, Jr.	Donuts for Injury Free Month	070 070	220	239		33.99
01/07/02	C. Scott	Postage	070	220	401		7.23
01/10/02	G. Buchanan	Gas for Pump Job	070 070	220	201		4.84
01/10/02	G. Buchanan	Gas for Pump Job	070 070	220	201		5.20
01/14/02	W. Humes	Coffee Pot for Mtgs.	070 070	220	239		26.70
01/14/02	G. Buchanan	Keys for Bissell Tool Box	070 070	220	207		6.46
01/18/02	C. Scott	Postage	070	220	401		0.80
01/28/02	E. Cope	Postage	070 070 070 070 070	220	401		4.86
					TOTAL		116.93

SUMMARY

DEPT/DIV/ AGCY ORG.	ACTIVITY	OBJ	SUB OBJ	AMOUNT
070	220	201		10.04
070	220	207		9.15
070	220	239		76.05
070	220	401		21.69
070 070 070 070 070				0.00 0.00 0.00
		TOTAL		116.93

DIRECTOR APPROVAL Edwin R Cope Jr.

DATE 2/5/02

TABLE-1

Sludge Hauled from GGTP to Superior Oakridge Landfill					
	Dry Tons Produced		Dry Tons to Bissell		Net Taken to Superior
Jan	330.70		82.74		247.96
Feb	301.90		105.34		196.56
Mar	233.90		71.67		162.23
Apr	303.70		93.38		210.32
May	285.90		55.89		230.01
Jun	274.40		59.41		214.99
Jul	280.40		76.98		203.42
Aug	281.60		64.99		216.61
Sep	267.30		89.08		178.22
Oct	294.20		67.69		226.51
Nov	297.80		94.40		203.40
Dec	319.70		119.44		200.26
TOTAL	3,471.50		981.01		2,490.49

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
Monthly Monitoring Reports for Wastewater Treatment Facilities

Name of Facility:
Metropolitan St. Louis Sewer District
BISSELL POINT TREATMENT PLANT

Location: 10 EAST GRAND AVE., 63147
Region: ST. LOUIS

Type Treatment Facility: Secondary

Disposal Site: Prospect Hill Land Reclamation Site
Scranton & Riverview
St. Louis, Mo.

Permit Number: Special Waste Disposal Area
Operating Permit # 718905

Month:
JANUARY, 2001

DATE	Ash Removed (CUBIC YARDS)
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Approved by: Edwin R Cy

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
Monthly Monitoring Reports for Wastewater Treatment Facilities

Name of Facility:
Metropolitan St. Louis Sewer District
BISSELL POINT TREATMENT PLANT

Location: 10 EAST GRAND AVE., 63147
Region: ST. LOUIS

Type Treatment Facility: Secondary

Permit Number: Special Waste Disposal Area
Operating Permit # 718905

Disposal Site: Prospect Hill Land Reclamation Site
Scranton & Riverview
St. Louis, Mo.

Month:
FEBRUARY, 2001

DATE	Ash Removed (CUBIC YARDS)
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Approved by: Edwin R Cyr Jr.

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
Monthly Monitoring Reports for Wastewater Treatment Facilities

Name of Facility:
Metropolitan St. Louis Sewer District
BISSELL POINT TREATMENT PLANT

Location: 10 EAST GRAND AVE., 63147
Region: ST. LOUIS

Type Treatment Facility: Secondary

Permit Number: Special Waste Disposal Area
Operating Permit # 718905

Disposal Site: Prospect Hill Land Reclamation Site
Scranton & Riverview
St. Louis, Mo.

Month:
MARCH, 2001

DATE	Ash Removed (CUBIC YARDS)
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MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
Monthly Monitoring Reports for Wastewater Treatment Facilities

Name of Facility:
Metropolitan St. Louis Sewer District
BISSELL POINT TREATMENT PLANT

Location: 10 EAST GRAND AVE., 63147
Region: ST. LOUIS

Type Treatment Facility: Secondary

Permit Number: Special Waste Disposal Area
Operating Permit # 718905

Disposal Site: Prospect Hill Land Reclamation Site
Scranton & Riverview
St. Louis, Mo.

Month:
APRIL, 2001

DATE	Ash Removed (CUBIC YARDS)
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Approved by:

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
Monthly Monitoring Reports for Wastewater Treatment Facilities

Name of Facility:
Metropolitan St. Louis Sewer District
BISSELL POINT TREATMENT PLANT

Location: 10 EAST GRAND AVE., 63147
Region: ST. LOUIS

Type Treatment Facility: Secondary

Disposal Site: Prospect Hill Land Reclamation Site
Scranton & Riverview
St. Louis, Mo.

Permit Number: Special Waste Disposal Area
Operating Permit # 718905

Month:
MAY, 2001

DATE	Ash Removed (CUBIC YARDS)
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Approved by:

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
Monthly Monitoring Reports for Wastewater Treatment Facilities

Name of Facility:
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BISSELL POINT TREATMENT PLANT

Location: 10 EAST GRAND AVE., 63147
Region: ST. LOUIS

Type Treatment Facility: Secondary

Permit Number: Special Waste Disposal Area
Operating Permit # 718905

Disposal Site: Prospect Hill Land Reclamation S
Scranton & Riverview
St. Louis, Mo.

Month:
JUNE, 2001

DATE	Ash Removed (CUBIC YARDS)
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Approved by:

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
Monthly Monitoring Reports for Wastewater Treatment Facilities

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Region: ST. LOUIS

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Disposal Site: Prospect Hill Land Reclamation Site
Scranton & Riverview
St. Louis, Mo.

Permit Number: Special Waste Disposal Area
Operating Permit # 718905

Month:
JULY, 2001

DATE	Ash Removed (CUBIC YARDS)
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31	
Total	0

Approved by: Edwin B. Clark Jr.

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
Monthly Monitoring Reports for Wastewater Treatment Facilities

Name of Facility:
Metropolitan St. Louis Sewer District
BISSELL POINT TREATMENT PLANT

Location: 10 EAST GRAND AVE., 63147
Region: ST. LOUIS

Type Treatment Facility: Secondary

Disposal Site: Prospect Hill Land Reclamation Site
Scranton & Riverview
St. Louis, Mo.

Permit Number: Special Waste Disposal Area
Operating Permit # 718905

Month:
AUGUST, 2001

DATE	Ash Removed (CUBIC YARDS)
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	
28	
29	
30	
31	
Total	0

Approved by: Edwin R Cope

Title: Assistant Director of Wastewater

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
Monthly Monitoring Reports for Wastewater Treatment Facilities

Name of Facility:
Metropolitan St. Louis Sewer District
BISSELL POINT TREATMENT PLANT

Location: 10 EAST GRAND AVE., 63147
Region: ST. LOUIS

Type Treatment Facility: Secondary

Disposal Site: Prospect Hill Land Reclamation Site
Scranton & Riverview
St. Louis, Mo.

Permit Number: Special Waste Disposal Area
Operating Permit # 718905

Month:
SEPTEMBER, 2001

DATE	Ash Removed (CUBIC YARDS)
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	
28	
29	
30	
31	
Total	0

Approved by: Edwin R Clay Jr.

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
Monthly Monitoring Reports for Wastewater Treatment Facilities

Name of Facility:
Metropolitan St. Louis Sewer District
BISSELL POINT TREATMENT PLANT

Location: 10 EAST GRAND AVE., 63147
Region: ST. LOUIS

Type Treatment Facility: Secondary

Disposal Site: Prospect Hill Land Reclamation Site
Scranton & Riverview
St. Louis, Mo.

Permit Number: Special Waste Disposal Area
Operating Permit # 718905

Month:
OCTOBER, 2001

DATE	Ash Removed (CUBIC YARDS)
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	
28	
29	
30	
31	
Total	0

Approved by: Edwin R Cox Jr.

Title: Assistant Director

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
Monthly Monitoring Reports for Wastewater Treatment Facilities

Name of Facility:
Metropolitan St. Louis Sewer District
BISSELL POINT TREATMENT PLANT

Location: 10 EAST GRAND AVE., 63147
Region: ST. LOUIS

Permit Number: 00251
Outfall Number: 001

Type Treatment Facility: Secondary

Month:
NOVEMBER, 2001

INFLUENT (24 Hr. Comp.)					EFFLUENT (24 Hr. Comp.)		
DATE	FLOW MGD	Total PO4-P mg/l	Ammonia Nitrogen mg/l	Total Nitrogen mg/l	Total PO4-P mg/l	Ammonia Nitrogen mg/l	Total Nitrogen mg/l
1	108	6.4	21.8	32.48	4	13	16
2	101						
3	90						
4	90						
5	91						
6	93						
7	91						
8	92						
9	89						
10	89						
11	89						
12	90						
13	86						
14	86						
15	87						
16	89						
17	87						
18	95						
19	90						
20	91						
21	90						
22	82						
23	158						
24	145						
25	93						
26	106						
27	135						
28	173						
29	226						
30	128						
31							

Date	
Dye Color	(24 Hr. Comp.)
Parameter	Concentration, ppm

Blue # 1
Red # 3
Red # 40

Approved by: Edwin R Cole

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
Monthly Monitoring Reports for Wastewater Treatment Facilities

Name of Facility:
Metropolitan St. Louis Sewer District
BISSELL POINT TREATMENT PLANT

Location: 10 EAST GRAND AVE., 63147
Region: ST. LOUIS

Type Treatment Facility: Secondary

Disposal Site: Prospect Hill Land Reclamation Site
Scranton & Riverview
St. Louis, Mo.

Permit Number: Special Waste Disposal Area
Operating Permit # 718905

Month:
DECEMBER, 2001

DATE	Ash Removed (CUBIC YARDS)
1	
2	
3	1123
4	2695
5	2964
6	2784
7	2066
8	2470
9	
10	3368
11	5479
12	2111
13	
14	3368
15	
16	
17	
18	
19	
20	
21	3368
22	
23	
24	3503
25	
26	2605
27	3683
28	3368
29	
30	
31	4042
Total	48997

Approved by: Edwin R Cope

file

MISSOURI DEPARTMENT OF NATURAL RESOURCES
WATER POLLUTION CONTROL PROGRAM

FORM S - DOMESTIC SLUDGE REPORTING

SECTION 1 - GENERAL INFORMATION

REPORTING PERIOD: (YEAR) 2002

FACILITY NAME: BISSELL POINT TREATMENT PLANT

PERMIT NUMBER: MO 0025178

CITY NAME: ST. LOUIS

COUNTY NAME: ST. LOUIS CITY

Instructions: See Instruction Sheet for directions.

1. Sludge Production, including sludge received from others:

35,137 Actual Dry Tons/Year 1,249,151 Actual Population Equivalent

2. Sludge Treatment:

____Anaerobic Digester
____Storage Tank
____Lime Stabilization
____Aerobic Digester
____Air or Heat Drying
____Other, Describe, ____
____Composting

3. Sludge Use or Disposal: Complete the rest of this form only for the sections applicable to your method of sludge and biosolids use or disposal.

X	**All Permitees**	**Complete Section 1**
___	Land Application (LA)	Complete Sections 2 & 3
___	Contract Hauler (CH) > 150 PE	Complete Sections 2 & 4
___	Contract Hauler (CH) < 150 PE	Complete Section 4
___	Hauled to another Treatment Facility (HT)	Complete Section 4
___	Solid Waste Landfill (LF)	Complete Section 4
X	Sludge Disposal Lagoon (SD)	Complete Section 5
___	Incineration (IN)	Complete Section 6
___	Sludge Hauled to Incinerator (IO)	Complete Section 6

4. Certification: I certify under penalty of law that the information contained in this report and attachments are true and correct. This determination has been made under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information used to determine these requirements have been met. I am aware that there are significant penalties for false certification, including the possibility of fine and imprisonment.

Edwin R. Cope, Jr.
Print Name

ASSISTANT DIRECTOR OF WASTEWATER
Official Title

Edwin R Cope Jr
Signature

1/21/03
Date

(314) 436-8749
Phone

(RV 7-1-97)

FORM S - SECTION 6 SLUDGE INCINERATION

Permit No: MO 0025178

Report Period: Calendar Year 2002

Facility Name: Bissell Point Treatment Plant

Complete this section if you operate a sewage sludge incinerator. If you haul your sludge to a regional incineration facility, do not complete this form; use Form S - Section 4. Applicable sludge requirements are listed under Part III Standard Conditions.

Show both the water pollution control permit number (MO-), the solid waste disposal permit number (SW), and the Air Pollution Control Permit (AP) under 6.12.

6.10 Sludge Incinerator Permits

6.12 Permit No: MO- 0025178 SW 718905 AP City of St. Louis Pe

6.13 The incinerator emissions limitations and operating requirements met the requirements in 40 CFR 503 Subpart E.

X Yes ___ No Attach testing data required by EPA permit.

6.20 Sludge Monitoring

___ Sludge or ash monitoring required by State permit. Attach copies of laboratory results.

SLUDGE MONITORING DATA

PARAMETER	UNITS	AVERAGE	MINIMUM	MAXIMUM	NUMBER OF SAMPLES
Arsenic	mg/kg	3.2	2.2	4.1	12
Cadmium	mg/kg	12.16	6.90	23.31	12
Chromium	mg/kg	87	59	125	12
Lead	mg/kg	88.7	48.8	146.9	12
Nickel	mg/kg	44	27	69	12

6.30 Person Responsible for Final Ash Disposal

___ Ash is disposed on-site.

X Ash is disposed off-site by the generator.

___ Ash is disposed at another permitted disposal facility

6.31 Disposal Facility Name: Prospect Hill Land Reclamation Site

6.32 Contact person: Edwin R. Cope, Jr.

6.33 Phone: (314) 436-8749

6.34 Permit No: MO- 0025178 SW 718905 AP

6.35 Ash Disposal Method: District Owned/Operated Landfill

6.36 Legal: ___1/4, ___1/4, Sec___, T 46N, R 7E, County St. Louis City
Block 6492, City of St. Louis

6.40 Ash Storage Ponds

X Sludge incineration ash is not stored in earthen structures.

___ Sludge incineration ash is stored in earthen structures. Complete all parts on page 2.

C 6.41 Legal: SE 1/4, ___ 1/4, Sec 35, T 46N, R 7E, County St. Louis City

6.42 X Ash pond has received ash during the report period.

6.43 ___ Ash pond did not receive ash during the report period but has not been closed in accordance with a closure plan approved by the department.

6.44 8.26 surface acres of ash pond 14 feet of ash depth

6.45 5,040,000 cubic feet pond (design) 3,780,000 cubic feet ash (current)

6.46 50% average percent solids of ash in the pond.

6.47 1870 Date of ash pond construction (approximate if not known)

6.48 Geologic Report for Ash Pond

Attach copy of current (since July 1, 1993) geologic evaluation report by the Department of Natural Resources, Division of Geology and Land Survey (DGLS).

6.49 Ash Pond Seal

The ash pond must meet one of the following requirements

___ Lagoon bottom and side seal meets current sealing requirements of 10^{-7} cm/sec per 10 CSR 20-8.200(6)(C) or 8.020(13)(A).

___ Lagoon seal meets requirements for a composite liner per Solid Waste Management Law and regulations under 10 CSR 80.

If above seal requirement is not met, attach explanation.

6.50 Alternate Limits

Are alternate limits or exceptions listed in the Special Conditions section of the wastewater treatment facility permit or sludge generator permit?

X Yes ___ No If yes, attach explanation sheet.

See NPDES Permit MO 0025178, Special Condition 6 on Page 6 of 9.

Bissell Point Treatment Plant
Sludge Report for 2002

Form S - Part 1

The design sludge handling and processing quantities come from the requirements dictated by the City of St. Louis in our incinerator operating permit. This permit limits the annual incinerated sludge quantity to 74,369 dry tons. The plant handled a total of 35,137 dry tons in 2002. This includes solids originally generated at MSD's Coldwater Creek, Grand Glaize, Fenton, and Missouri River wastewater treatment plants which were conveyed to Bissell Point for dewatering and incineration. This year sludge cake was received only from the Grand Glaize and Fenton treatment facilities.

Form S Section 6 - Part 6.13

Incinerators 1 and 2 were stack tested in May 2000 and Incinerators 3, 4, and 5 were stack tested in November 2000 as required by our permit from the City of St. Louis and the 503 sludge regulations. Incinerator #6 was tested in July of 1997. All incinerators met all test parameters.

Form S Section 6 - Part 6.20

Attached are the results of analysis required in the plants NPDES permit for the plants sludge and ash. Tests include 503 metals for the sludge. 24,203 cubic yards of ash was hauled to final disposal during January 2002 (see attached). No other ash hauling was done in 2002.

Form S Section 6 - Part 6.48

No geologic evaluation report has been completed because the Bissell Point Ash Basins are not earthen structures and are used only for temporary ash storage prior to landfilling.

Form S Section 6 - Part 6.49

The ash basins are constructed with limestone and mortar side walls and a paving brick/concrete bottom.

Form S Section 6 - Part 6.50

NPDES permit MO0025178 contains special conditions regarding sludge and biosolids use. Special Condition 6 on page 6 of the permit is attached.

SLURPT02.ATT

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
Monthly Monitoring Reports for Wastewater Treatment Facilities

Name of Facility:
Metropolitan St. Louis Sewer District
BISSELL POINT TREATMENT PLANT

Location: 10 EAST GRAND AVE., 63147
Region: ST. LOUIS

Type Treatment Facility: Secondary

Permit Number: Special Waste Disposal Area
Operating Permit # 718905

Disposal Site: Prospect Hill Land Reclamation Site
Scranton & Riverview
St. Louis, Mo.

Month:
JANUARY, 2002

DATE	Ash Removed (CUBIC YARDS)
1	
2	3862
3	4177
4	3189
5	
6	
7	4042
8	3368
9	3234
10	1662
11	
12	
13	
14	669
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	
28	
29	
30	
31	
Total	24203

Approved by: Edwin R Clay Jr.
Title: Assistant Director of Wastewater
Date: 2/14/02

Bissell Point Treatment Plant
2002 Annual Report

	Wet Tons	Percent Solids	Dry Tons	Flow (mgd)	P.E.
January	9,195	25	2201	114	1,142,903
February	9,426	24	2252	111	1,110,690
March	6,571	24	1559	136	1,364,516
April	15,975	22	3522	138	1,381,667
May	17,550	26	4620	177	1,772,581
June	13,193	27	3605	148	1,480,333
July	14,270	25	3596	125	1,245,806
August	11,513	25	2826	120	1,201,290
September	12,636	23	2927	108	1,075,667
October	10,722	23	2412	112	1,122,581
November	14,012	21	2939	103	1,025,000
December	12,227	22	2678	107	1,066,774
Total	147291		35137		
Average	12274	24	2928	125	1,249,151

Note: Population Equivalent (PE) is based on flow

DEC-SLUDGE ANALYSIS
Bissell STP Metals
DAILY COMPOSITE
Concentration (mg/kg Dry Weight Basis)

START DATE	HG	AS	CD	CR	PB	NI	% SOLIDS
01/02/02	0.47	2.8	8.67	59	74.4	30	24.0
02/01/02	0.45	4.0	7.12	87	146.9	40	24.0
03/01/02	0.36	2.4	10.92	62	67.0	53	21.9
04/01/02	0.48	3.0	6.90	75	89.8	27	23.4
05/01/02	0.63	4.1	9.52	83	110.4	31	21.1
06/03/02	0.45	4.0	8.32	99	76.9	52	23.6
07/01/02	0.55	3.1	23.31	125	130.9	69	33.1
08/01/02	0.57	3.1	14.69	95	84.6	51	23.2
09/03/02	0.54	2.2	19.55	101	64.3	42	31.2
10/01/02	0.35	2.8	10.96	79	76.4	43	19.9
11/04/02	0.87	3.7	13.19	106	94.2	50	21.5
12/02/02	0.28	2.8	12.75	78	48.8	45	20.0
MIN:	0.28	2.2	6.90	59	48.8	27	19.9
MAX.	0.87	4.1	23.31	125	146.9	69	33.1
AVG:	0.50	3.2	12.16	87	88.7	44	23.9
STD:	0.15	0.6	5.02	19	28.3	12	4.1

C. SPECIAL CONDITIONS (continued)

.. Sludge and Biosolids Use For Domestic Wastewater Treatment Facilities

a. Permittee shall comply with the pollutant limitations, monitoring, reporti and other requirements in accordance with the attached permit Standard Conditions.

b. Exceptions to the Part III Standard Conditions are as follows:

(1) Metals testing of the sludge under subsection J.1 is not required for copper, total molybdenum, total selenium and total zinc.
(2) The remaining metals listed in subsection J.1 shall be tested at least per month.

c. The sample type in Section J paragraph 2.d. of Part III Standard Conditions requires a composite sample consisting of at least seven (7) grab samples collected within the same week. The composite sample may consist of grab samples collected on the same day or the grab samples may be spread over several days during the same week.

7. This permit may be modified, or alternatively revoked and reissued, to comply with a applicable effluent standard or limitation issued or approved under Sections 301(b)((C), and (D), 304(b)(2) and 307(a)(2) of the Clean Water Act, if the effluent standa or limitation so issued or approved:

(a) Contains different conditions or is otherwise more stringent than any efflu limitation in the permit; or
(b) Controls any pollutant not limited in the permit.

The permit as modified or reissued under this paragraph shall also contain any o requirements of the Act then applicable.

8. Combined Sewer Overflow

The permittee shall immediately implement the Nine (9) Minimum Controls contained in Combined Sewer Overflow Management Plan previously approved by the department. In addition, the permittee shall meet the following schedule to conform with the Federa Combined Sewer Overflow (CSO) Control Policy:

Documentation that demonstrates implementation of the nine (9) minimum controls
--January 1, 1997

Long Term CSO Control Plan:

Complete Characterization, Monitoring and Modeling Program
--January 1, 1997

Submit CSO Control Plan
--June 30, 1999

The permittee is authorized to discharge from the CSO outfalls previously identified the approved management plan and additional CSO outfalls, within the boundaries of tl permittee's jurisdiction, identified after the effective date of the permit that are conformance with the above schedule and Federal CSO Policy dated Tuesday, April 19, 1994.

9. Hauled Waste Acceptance Report

The department has approved the permittee's hauled waste acceptance program. The permittee shall submit to the department, within 30 days of the last day of each mont a summary report on wastes accepted under this program for the preceding month at eac of its designated acceptance points. The report shall identify the source types, volumes and delivery dates and shall identify the specific sources of all non-domesti wastes.

Metropolitan
St. Louis Sewer
District

Bissell Point Treatment Plant
10 East Grand Avenue
St. Louis, MO 63147-2913

January 21, 2005

Missouri Department of Natural Resources
Water Protection Program
205 Jefferson Street
Jefferson City, Missouri 65101
Attn: Tony Dohmen

Re: Form S - Domestic Sludge Reporting
Metropolitan St. Louis Sewer District
Bissell Point Treatment Plant: MO-0025178

Dear Mr. Dohmen:

As required, enclosed is our annual report on sludge processed at our Bissell Point Treatment Plant.

Please let us know if there are any questions or comments.

Sincerely,

Edwin R Cope Jr.

Ed Cope
Operations Division Manager
Bissell Point Treatment Plant
Metro St. Louis Sewer District
(314) 436-8749

cc: Cynthia Sans
Regional Sludge Coordinator
U.S. EPA Region VII
Water Division
901 North 5th Street
Kansas City, KS 66101

Buffy Santel - MSD Environmental Compliance ✓

MISSOURI DEPARTMENT OF NATURAL RESOURCES
WATER PROTECTION PROGRAM, WATER POLLUTION BRANCH

FORM S - SECTION 1. DOMESTIC SLUDGE REPORTING

GENERAL INFORMATION

REPORTING PERIOD: (YEAR) 2004	
FACILITY NAME: Bissell Point Treatment Plant	CITY NAME: St. Louis
PERMIT NUMBER: MO 0025178	COUNTY NAME: St. Louis City

Instructions: See Instruction Sheet for directions.

1. Sludge Production, including sludge received from others:

ACTUAL DRY TONS/YEAR	ACTUAL POPULATION EQUIVALENT
37,056	1,358,129

2. Sludge Treatment:

- ☐ Anaerobic Digester
- ☐ Aerobic Digester
- ☐ Composting
- ☐ Storage Tank
- ☐ Air or Heat Drying
- ☐ Lime Stabilization
- ☐ Other, Describe: _____

3. Sludge Use or Disposal: Complete the rest of this form only for the sections applicable to your method of sludge and biosolids use or disposal.

X All Permittees	Complete Section 1
☐ Land Application (LA)	Complete Sections 2 and 3
☐ Contract Hauler (CH) >150 PE	Complete Sections 2 and 4
☐ Contract Hauler (CH) <150 PE	Complete Section 4
☐ Hauled to another Treatment Facility (HT)	Complete Section 4
☐ Solid Waste Landfill (LF)	Complete Section 4
☐ Sludge Disposal Lagoon (SD)	Complete Section 5
☑ Incineration (IN)	Complete Section 6
☐ Sludge Hauled to Incinerator (IO)	Complete Section 6

4. Certification: I certify under penalty of law that the information contained in this report and attachments are true and correct. This determination has been made under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information used to determine these requirements have been met. I am aware that there are significant penalties for false certification, including the possibility of fine and imprisonment.

PRINT NAME: Edwin R. Cope, Jr.	OFFICIAL TITLE: Operations Division Manager	
SIGNATURE: Edwin R Cope Jr	DATE: 1/19/05	PHONE: (314) 436-8749

MO 780-1636 (6-04)

MISSOURI DEPARTMENT OF NATURAL RESOURCES
WATER PROTECTION PROGRAM, WATER POLLUTION BRANCH

FORM S - SECTION 6. SLUDGE INCINERATION

PERMIT NO.:	REPORTING PERIOD: CALENDAR YEAR
MO 0025178	2004

FACILITY NAME

Bissell Point Treatment Plant

Complete this section if you operate a sewage sludge incinerator. If you haul your sludge to a regional incineration facility, do not complete this form; use Form S – Section 4. Applicable sludge requirements are listed under Part III Standard Conditions.

Show both the NPDES permit number (MO–), the solid waste disposal permit number (SW), and the Air Pollution Control Permit (AP) under 6.12.

6.10 Sludge Incinerator Permits

6.12 PERMIT NUMBER:

MO– 0025178 SW 718905 AP

6.13 THE INCINERATOR EMISSIONS LIMITATIONS AND OPERATING REQUIREMENTS MET THE REQUIREMENTS IN 40 CFR 503 SUBPART E.

☑ YES ☐ NO ATTACH TESTING DATA REQUIRED BY EPA PERMIT.

6.20 Sludge Monitoring

☑ Sludge or ash monitoring required by State permit. Attach copies of laboratory results.

SLUDGE MONITORING DATA

PARAMETER	UNITS	AVERAGE	MINIMUM	MAXIMUM	NUMBER OF SAMPLES
ARSENIC	mg/kg	3.09	1.06	5.40	12
CADMIUM	mg/kg	16.88	8.11	26.00	12
CHROMIUM	mg/kg	90.36	0.00	132.50	12
LEAD	mg/kg	88.22	0.00	161.30	12
NICKEL	mg/kg	36.90	24.74	48.33	12

6.30 Person Responsible for Final Ash Disposal

☐ Ash is disposed on site.

☑ Ash is disposed off site by the generator.

☐ Ash is disposed at another permitted disposal facility.

6.31 DISPOSAL FACILITY NAME

Prospect Hill Land Reclamation Site

6.32 CONTACT PERSON

Edwin R. Cope, Jr.

6.33 PHONE

(314) 436-8749

6.34 PERMIT NO.

MO– 0025178 SW 718905 AP

6.35 ASH DISPOSAL METHOD

District Owned/Operated Landfill at Block 6492 in the City of St. Louis

6.36 LEGAL

_____ 1/4, _____ 1/4, SEC _____, T 46N, R 7E, COUNTY St. Louis City

MO 780-1633 (6-04)

INSTRUCTIONS FOR FILLING OUT ANNUAL REPORT
FORM S - DOMESTIC SLUDGE

GENERAL

The attached report form (**FORM S**) is to be used for submitting the annual sludge report as required under Standard Conditions Part III of the Missouri State Operating Permit (NPDES). **This form is to be used only for domestic wastewater sludges.** It does NOT apply to industrial sludges.

Use the attached **Form S as a master copy** and make copies off of it as required for sludge reporting in subsequent years. This form must be signed by an appropriate official. Keep a copy for your records. **Send the completed Form S to your Regional Office.**

APPLICABILITY

Mechanical Wastewater Treatment Facilities must sign and submit the form, even if no sludge was removed during the report period. You must complete and submit Form S by Jan. 28 for each year for the previous calendar year.

Wastewater treatment lagoons need to submit the Form S report **ONLY** when sludge is removed from the lagoon. Complete and submit the Form S by Jan. 28 for sludge removed during the previous calendar year.

Complete the sections of the Form S that are applicable to your facility. See the table below for guidance.

All permittees	Complete Section 1
Land Application (LA)	Complete Sections 2 and 3
Contract Hauler (CH) >150 PE	Complete Sections 2 and 4
Contract Hauler (CH) <150 PE	Complete Section 4
Hauled to another Treatment Facility (HT)	Complete Section 4
Solid Waste Landfill (LF)	Complete Section 4
Sludge Disposal Lagoon (SD)	Complete Section 5
Incineration (IN)	Complete Section 6
Sludge Hauled to Incinerator (IO)	Complete Section 6

ENVIRONMENTAL PROTECTION AGENCY (EPA) REQUIREMENTS

Your facility may also be required to obtain a separate sludge permit from the EPA and to submit reports directly to EPA. Contact the EPA at the following address to determine the EPA's requirements for your facility.

Mr. John Dunn
Regional Sludge Coordinator
U.S. EPA Region VII
Water Management Division
901 N. 5th Street
Kansas City, KS 66101
Phone: (913) 551-7594
FAX: (913) 551-7765

FOR QUESTIONS

For assistance regarding this form or other sludge issues, please contact your Regional Office or contact the Outreach & Assistance Center at 1-800-361-4827 or (573) 526-6627.

6.40 Ash Storage Ponds

☑ Sludge incineration ash is not stored in earthen structures.

☐ Sludge incineration ash is stored in earthen structures. Complete all parts on page two.

6.41 LEGAL

SE 1/4, ____ 1/4, SEC 35, T 46N, R 7E, COUNTY ____

6.42

☐ Ash pond has received ash during the report period.

6.43

☑ Ash pond did not receive ash during the report period but has not been closed in accordance with a closure plan approved by the department.

6.44

8.26 surface acres of ash pond. 14 feet of ash depth.

6.45

5,040,000 cubic feet pond (design). 3,780,000 cubic feet ash (current).

6.46

50% average percent solids of ash in pond.

6.47 DATE OF ASH POND CONSTRUCTION (APPROXIMATE IF NOT KNOWN).

1870

6.48 GEOLOGIC REPORT FOR ASH POND

Attach copy of current (since July 1, 1993) geologic evaluation report by the Department of Natural Resources, Geological Survey & Resource Assessment Division (GSRAD).

6.49 ASH POND SEAL

The ash pond must meet one of the following requirements:

☐ Lagoon bottom and side seal meets current sealing requirements of 10^{-7} cm/sec per 10 CSR 20-8.200(6)(C) or 8.020(13)(A).

☐ Lagoon seal meets requirements for a composite liner per Solid Waste Management Law and regulations under 10 CSR 80.

If above seal requirement is not met, attach explanation.

6.50 Alternate Limits

ARE ALTERNATE LIMITS OR EXCEPTIONS LISTED IN THE SPECIAL CONDITIONS SECTION OF THE WASTEWATER TREATMENT FACILITY PERMIT OR SLUDGE GENERATOR PERMIT?

☑ YES ☐ NO If yes, attach explanation sheet.

BISSELL POINT TREATMENT PLANT
2004 ANNUAL SLUDGE REPORT

	WET TONS	PERCENT SOLIDS	DRY TONS	FLOW (MGD)	POPULATION EQUIVALENT
Jan '04	7,192	24	1,724	135	1,346,697
Feb '04	12,778	22	2,806	131	1,306,197
Mar '04	18,158	25	4,646	149	1,488,243
Apr '04	11,973	24	2,862	125	1,254,715
May '04	11,901	27	3,213	166	1,663,014
Jun '04	17,161	27	4,592	142	1,422,260
Jul '04	13,412	28	3,562	139	1,394,685
Aug '04	12,062	23	2,775	132	1,324,141
Sep '04	12,289	22	2,656	113	1,132,210
Oct '04	12,144	24	2,877	118	1,182,798
Nov '04	10,969	23	2,521	149	1,489,444
Dec '04	11,727	24	2,821	129	1,293,141
TOTAL	151,766		37,056		
AVERAGE	12,647	25	3,088	136	1,358,129

Note: Population Equivalent is based on flow

BISSELL POINT PLANT

DAILY COMPOSITE - SLUDGE CAKE METALS

Concentration (mg/kg Dry Weight Basis)

	HG	AS	CD	CR	PB	NI	% SOLIDS
01/06/04	0.44	3.43	14.67	0.00	0.00	46.40	24.68
02/03/04	0.73	3.11	12.54	82.63	73.11	40.20	23.63
03/02/04	0.51	2.24	21.85	132.50	69.24	30.89	21.92
04/06/04	0.36	2.89	16.57	84.37	66.02	32.76	24.79
05/04/04	0.51	3.99	21.31	131.20	101.20	38.87	24.68
06/01/04	0.51	5.40	15.15	90.60	123.31	41.29	28.38
07/06/04	0.36	4.27	13.81	68.15	126.49	24.74	32.06
08/03/04	0.41	2.20	26.00	99.17	73.06	29.66	26.10
09/07/04	0.48	3.06	23.66	114.10	67.17	38.95	20.75
10/05/04	0.43	1.06	17.19	95.96	74.83	33.64	22.19
11/02/04	0.34	2.43	8.11	104.00	122.90	48.33	27.92
12/07/04	0.57	2.99	11.71	81.64	161.30	37.05	34.81
Minimum	0.34	1.06	8.11	0.00	0.00	24.74	20.75
Maximum	0.73	5.40	26.00	132.50	161.30	48.33	34.81
Average	0.47	3.09	16.88	90.36	88.22	36.90	25.99
Deviation	0.11	1.12	5.34	34.55	41.70	6.90	4.19

Bissell Point Treatment Plant
Sludge Report for 2004

Form S - Part 1

The design sludge handling and processing quantities come from the requirements dictated by the City of St. Louis in our incinerator operating permit. This permit limits the annual incinerated sludge quantity to 74,369 dry tons. The plant handled a total of 37,056 dry tons in 2004. This total can include solids originally generated at MSD's Coldwater Creek, Grand Glaize, Fenton, and Missouri River wastewater treatment plants which can be conveyed to Bissell Point for dewatering and incineration. This year sludge cake was received only from the Fenton treatment facility (194 dry tons). Coldwater Creek also pumped solids to Bissell via pipeline (4,325 dry tons).

Form S Section 6 - Part 6.13

Incinerators 6 was stack tested in May 2004 as required by our permit from the City of St. Louis and the 503 sludge regulations. Incinerators 1 through 5 were tested in previous years and were not due again in 2004. All incinerators met all test parameters.

Form S Section 6 - Part 6.20

Attached are the results of analysis required in the plants NPDES permit for the plants sludge. Tests include 503 metals for the sludge. No ash was hauled to final disposal in 2004.

Form S Section 6 - Part 6.48

No geologic evaluation report has been completed because the Bissell Point Ash Basins are not earthen structures and are used only for temporary ash storage prior to landfilling.

Form S Section 6 - Part 6.49

The ash basins are constructed with limestone and mortar side walls and a paving brick/concrete bottom.

Form S Section 6 - Part 6.50

NPDES permit MO0025178 contains special conditions regarding sludge and biosolids use. Special Condition 6 on page 6 of the permit is attached.

SLURPT04.ATT

C. SPECIAL CONDITIONS (continued)

6. Sludge and Biosolids Use For Domestic Wastewater Treatment Facilities

a. Permittee shall comply with the pollutant limitations, monitoring, reporting, and other requirements in accordance with the attached permit Standard Conditions.

b. Exceptions to the Part III Standard Conditions are as follows:

(1) Metals testing of the sludge under subsection J.1 is not required for total copper, total molybdenum, total selenium and total zinc.
(2) The remaining metals listed in subsection J.1 shall be tested at least once per month.

c. The sample type in Section J paragraph 2.d. of Part III Standard Conditions requires a composite sample consisting of at least seven (7) grab samples collected within the same week. The composite sample may consist of grab samples collected on the same day or the grab samples may be spread over several days during the same week.

7. This permit may be modified, or alternatively revoked and reissued, to comply with any applicable effluent standard or limitation issued or approved under Sections 301(b)(2)(C), and (D), 304(b)(2) and 307(a)(2) of the Clean Water Act, if the effluent standard or limitation so issued or approved:

(a) Contains different conditions or is otherwise more stringent than any effluent limitation in the permit; or
(b) Controls any pollutant not limited in the permit.

The permit as modified or reissued under this paragraph shall also contain any other requirements of the Act then applicable.

8. Combined Sewer Overflow

The permittee shall immediately implement the Nine (9) Minimum Controls contained in the Combined Sewer Overflow Management Plan previously approved by the department. In addition, the permittee shall meet the following schedule to conform with the Federal Combined Sewer Overflow (CSO) Control Policy:

Documentation that demonstrates implementation of the nine (9) minimum controls
--January 1, 1997

Long Term CSO Control Plan:

Complete Characterization, Monitoring and Modeling Program
--January 1, 1997

Submit CSO Control Plan
--June 30, 1999

The permittee is authorized to discharge from the CSO outfalls previously identified in the approved management plan and additional CSO outfalls, within the boundaries of the permittee's jurisdiction, identified after the effective date of the permit that are in conformance with the above schedule and Federal CSO Policy dated Tuesday, April 19, 1994.

9. Hauled Waste Acceptance Report

The department has approved the permittee's hauled waste acceptance program. The permittee shall submit to the department, within 30 days of the last day of each month, a summary report on wastes accepted under this program for the preceding month at each of its designated acceptance points. The report shall identify the source types, volumes and delivery dates and shall identify the specific sources of all non-domestic wastes.

Metropolitan
St. Louis Sewer
District

Bissell Point Treatment Plant
10 East Grand Avenue
St. Louis, MO 63147-2913

file

January 23, 2004

Cynthia Sans
Regional Sludge Coordinator
U.S. EPA Region VII
Water Division
901 North 5th Street
Kansas City, KS 66101

Re: Form S - Domestic Sludge Reporting
Metropolitan St. Louis Sewer District
Bissell Point Treatment Plant: MO-0025178

Dear Ms. Sans:

As requested, enclosed is our annual report for calendar year 2003 on sludge processed at our Bissell Point Treatment Plant. We are forwarding this report to the Missouri Department of Natural Resources.

Sincerely,

Ed Cope

Ed Cope
Operations Division Manager
Bissell Point Treatment Plant
Metro St. Louis Sewer District
(314) 436-8749

MISSOURI DEPARTMENT OF NATURAL RESOURCES
WATER POLLUTION CONTROL PROGRAM

FORM S - DOMESTIC SLUDGE REPORTING

SECTION 1 - GENERAL INFORMATION

REPORTING PERIOD: (YEAR) 2003

FACILITY NAME: BISSELL POINT TREATMENT PLANT

CITY NAME: ST. LOUIS

PERMIT NUMBER: MO 0025178

COUNTY NAME: ST. LOUIS CITY

Instructions: See Instruction Sheet for directions.

1. Sludge Production, including sludge received from others:

33,376 Actual Dry Tons/Year 1,267,053 Actual Population Equivalent

2. Sludge Treatment:

_____Anaerobic Digester
_____Storage Tank
_____Lime Stabilization
_____Aerobic Digester
_____Air or Heat Drying
_____Other, Describe, _____
_____Composting

3. Sludge Use or Disposal: Complete the rest of this form only for the sections applicable to your method of sludge and biosolids use or disposal.

X	All Permitees	Complete Section 1
__	Land Application (LA)	Complete Sections 2 & 3
__	Contract Hauler (CH) > 150 PE	Complete Sections 2 & 4
__	Contract Hauler (CH) < 150 PE	Complete Section 4
__	Hauled to another Treatment Facility (HT)	Complete Section 4
__	Solid Waste Landfill (LF)	Complete Section 4
__	Sludge Disposal Lagoon (SD)	Complete Section 5
X	Incineration (IN)	Complete Section 6
__	Sludge Hauled to Incinerator (IO)	Complete Section 6

4. Certification: I certify under penalty of law that the information contained in this report and attachments are true and correct. This determination has been made under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information used to determine these requirements have been met. I am aware that there are significant penalties for false certification, including the possibility of fine and imprisonment.

Edwin R. Cope, Jr.
Print Name

ASSISTANT DIRECTOR OF WASTEWATER
Official Title

Edwin R Cope Jr.
Signature

1/23/04
Date

(314) 436-8749
Phone

(RV7-1-97)

FORM S - SECTION 6 SLUDGE INCINERATION

Permit No: MO 0025178

Report Period: Calendar Year 200_

Facility Name: Bissell Point Treatment Plant

Complete this section if you operate a sewage sludge incinerator. If you your sludge to a regional incineration facility, do not complete this form use Form S - Section 4. Applicable sludge requirements are listed under P III Standard Conditions.

Show both the water pollution control permit number (MO-), the solid waste disposal permit number (SW), and the Air Pollution Control Permit (AP) und 6.12.

6.10 Sludge Incinerator Permits

6.12 Permit No: MO- 0025178 SW 718905 AP City of St. Lo

6.13 The incinerator emissions limitations and operating requirements met t requirements in 40 CFR 503 Subpart E.

X Yes ___ No Attach testing data required by EPA permit.

6.20 Sludge Monitoring

___ Sludge or ash monitoring required by State permit. Attach copies o laboratory results.

SLUDGE MONITORING DATA

PARAMETER	UNITS	AVERAGE	MINIMUM	MAXIMUM	NUMBER OF SAMPLES
Arsenic	mg/kg	3.27	1.12	4.12	12
Cadmium	mg/kg	9.91	0.00	16.76	12
Chromium	mg/kg	78.31	61.62	101.15	12
Lead	mg/kg	90.94	52.69	150.90	12
Nickel	mg/kg	37.54	23.67	58.57	12

6.30 Person Responsible for Final Ash Disposal

___ Ash is disposed on-site.

X Ash is disposed off-site by the generator.

___ Ash is disposed at another permitted disposal facility

6.31 Disposal Facility Name: Prospect Hill Land Reclamation Site

6.32 Contact person: Edwin R. Cope, Jr.

6.33 Phone: (314) 436-8749

6.34 Permit No: MO- 0025178 SW 718905 AP

6.35 Ash Disposal Method: District Owned/Operated Landfill

6.36 Legal: ___1/4, ___1/4, Sec___, T 46N, R 7E, County St. Louis City
Block 6492, City of St. Loui

6.40 Ash Storage Ponds

X Sludge incineration ash is not stored in earthen structures.

___ Sludge incineration ash is stored in earthen structures. Complete all parts on page 2.

6.41 Legal: SE 1/4, ___ 1/4, Sec 35, T 46N, R 7E, County St. Louis C

C

6.42 X Ash pond has received ash during the report period.

6.43 ___ Ash pond did not receive ash during the report period but has not been closed in accordance with a closure plan approved by the department.

6.44 8.26 surface acres of ash pond 14 feet of ash depth

6.45 5,040,000 cubic feet pond (design) 3,780,000 cubic feet ash (current

6.46 50% average percent solids of ash in the pond.

6.47 1870 Date of ash pond construction (approximate if not known)

6.48 Geologic Report for Ash Pond

Attach copy of current (since July 1, 1993) geologic evaluation report b the Department of Natural Resources, Division of Geology and Land Survey (DGLS).

6.49 Ash Pond Seal

The ash pond must meet one of the following requirements

___ Lagoon bottom and side seal meets current sealing requirements of 10^{-7} cm/sec per 10 CSR 20-8.200(6)(C) or 8.020(13)(A).

___ Lagoon seal meets requirements for a composite liner per Solid Waste Management Law and regulations under 10 CSR 80.

If above seal requirement is not met, attach explanation.

6.50 Alternate Limits

Are alternate limits or exceptions listed in the Special Conditions section of the wastewater treatment facility permit or sludge generator permit?

X Yes ___ No If yes, attach explanation sheet.

See NPDES Permit MO 0025178, Special Condition 6 on Page 6 of 9.

Bissell Point Treatment Plant
Sludge Report for 2003

Form S - Part 1

The design sludge handling and processing quantities come from the requirements dictated by the City of St. Louis in our incinerator operating permit. This permit limits the annual incinerated sludge quantity to 74,369 dry tons. The plant handled a total of 33,376 dry tons in 2003. This total can include solids originally generated at MSD's Coldwater Creek, Grand Glaize, Fenton, and Missouri River wastewater treatment plants which can be conveyed to Bissell Point for dewatering and incineration. This year sludge cake was received only from the Fenton treatment facility (70 dry tons). Coldwater Creek also pumped solids to Bissell via pipeline (4,235 dry tons).

Form S Section 6 - Part 6.13

Incinerators 1 and 2 were stack tested in May 2000 and Incinerators 3, 4, and 5 were stack tested in November 2000 as required by our permit from the City of St. Louis and the 503 sludge regulations. Incinerator #6 was scheduled for a stack test with the City of St. Louis in 2003. However, the incinerator broke down and is undergoing repairs. It will be tested as soon as repairs are complete. All tested incinerators met all test parameters.

Form S Section 6 - Part 6.20

Attached are the results of analysis required in the plants NPDES permit for the plants sludge and ash. Tests include 503 metals for the sludge. 128,107 cubic yards of ash was hauled to final disposal in four months of 2003 (see attached). No other ash hauling was done in 2003.

Form S Section 6 - Part 6.48

No geologic evaluation report has been completed because the Bissell Point Ash Basins are not earthen structures and are used only for temporary ash storage prior to landfilling.

Form S Section 6 - Part 6.49

The ash basins are constructed with limestone and mortar side walls and a paving brick/concrete bottom.

Form S Section 6 - Part 6.50

NPDES permit MO0025178 contains special conditions regarding sludge and biosolids use. Special Condition 6 on page 6 of the permit is attached.

SLURPT03.ATT

BISSELL POINT PLANT
DAILY COMPOSITE - SLUDGE CAKE METALS
Concentration (mg/kg Dry Weight Basis)

	HG	AS	CD	CR	PB	NI	% SOLIDS
01/02/03	<0.25	2.51	9.45	63.22	91.25	31.09	22.13
02/03/03	0.36	1.12	8.94	70.83	52.69	23.67	21.51
03/03/03	0.47	3.98	8.45	81.82	97.70	30.50	22.44
04/01/03	<0.25	3.80	9.87	87.25	87.95	32.91	23.84
05/01/03	0.53	3.87	11.52	101.15	104.05	30.99	25.91
06/02/03	0.41	4.03	8.49	61.62	59.53	35.65	23.37
07/01/03	0.39	4.12	<0.25	82.83	84.09	43.08	24.88
08/05/03	0.65	1.97	13.95	83.61	98.05	58.57	22.53
09/02/03	0.51	2.82	7.10	90.99	150.90	57.56	29.94
10/01/03	0.65	3.20	11.62	63.21	87.78	34.21	21.98
11/04/03	0.39	3.88	12.72	80.72	89.59	31.44	23.28
12/02/03	0.56	3.94	16.76	72.45	87.69	40.84	21.87
Minimum	0.00	1.12	0.00	61.62	52.69	23.67	21.51
Maximum	0.65	4.12	16.76	101.15	150.90	58.57	29.94
Average	0.41	3.27	9.91	78.31	90.94	37.54	23.64
Deviation	0.22	0.97	4.13	12.26	24.10	10.81	2.37

BISSELL POINT TREATMENT PLANT
2003 ANNUAL SLUDGE REPORT

	WET TONS	PERCENT SOLIDS	DRY TONS	FLOW (MGD)	POPULATION EQUIVALENT
Jan '03	10,063	21	2,131	108	1,084,776
Feb '03	12,940	23	2,985	121	1,208,508
Mar '03	14,175	24	3,386	125	1,250,192
Apr '03	15,466	23	3,617	130	1,297,345
May '03	11,957	24	2,911	146	1,463,296
Jun '03	14,313	25	3,537	153	1,526,674
Jul '03	13,252	24	3,130	129	1,286,128
Aug '03	9,677	23	2,194	118	1,182,513
Sep '03	12,154	25	3,016	126	1,261,171
Oct '03	11,223	23	2,553	115	1,149,984
Nov '03	9,521	22	2,117	128	1,275,882
Dec '03	7,876	23	1,800	122	1,218,170
TOTAL	142,615		33,376		
AVERAGE	11,885	23	2,781	127	1,267,053

Note: Population Equivalent is based on flow

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENT QUALITY
MONTHLY MONITORING RECORD FOR WASTEWATER FACILITIES

Facility: **Bissell Point Wastewater Treatment Plant**
Location: **10 East Grand Ave**
Receiving Waters: **Mississippi River**
For the Month of: **April, 2003**

Permit No: **MO-0025178**
Region: **St. Louis**
Outfall No: **001**
Type of Treatment Facility: **Secondary Treatme**

	Influent		Weather			Mixed Liquor			Incinerate	Ren
Date	pH (SU)	TSS (mg/L)	Ambient Avg Temp (Deg F)	Rainfall (Inches)	Condition	MLSS (mg/L)	DO (mg/L)	SSV-30 (ml/L)	Dry Tons	A Cu
1	6.3	350	72		Clear	1,750	0.3	70	104.2	
2	6.9	228	71		Clear	1,400	0.8	72	115.6	
3	7.0	240	74	0.00	P Cloudy	1,900	1.3	80	111.6	
4	6.3	188	60	0.10	Overcast	1,596	1.7	86	97.4	2,0
5	6.8		42		Overcast	1,370	2.6	82	105.2	2,9
6	6.8		37	0.59	Rain	2,400	0.3	100	105.8	
7	7.1	136	49	0.00	P Cloudy	2,345	1.2	120	116.0	2,4
8	7.0	170	39	0.07	Overcast	1,970	1.9	92	108.4	2,8
9	6.9	136	43	0.00	P Cloudy	1,750	1.9	76	92.8	1,67
10	6.9	174	48		Clear	1,490	4.5	69	162.4	3,37
11	6.9	134	54		Clear	1,420	5.3	67	237.8	3,03
12	6.9		62		P Cloudy	1,540	5.8	62	157.2	2,77
13	6.9		59		Clear	1,750	5.9	56	114.1	
14	6.9	180	70		Clear	1,250	5.1	63	95.9	3,03
15	6.9	152	75		Clear	1,500	4.6	88	103.8	3,99
16	6.9	232	66	1.20	Overcast	2,300	3.9	100	93.1	3,71
17	6.9	176	52	0.12	Overcast	5,300	3.5	103	109.1	3,45
18	6.9	138	57	0.00	P Cloudy	2,988	2.1	115	112.2	3,11
19	6.9		65	0.03	Overcast	2,470	3.9	120	109.4	4,931
20	6.9		61	0.38	P Cloudy	2,670	4.6	127	114.1	
21	6.9	124	54		Overcast	1,450	3.6	100	152.4	5,215
22	6.9	172	53		Clear	900	3.1	73	147.2	5,300
23	6.9	156	54		Clear	1,950	2.0	93	147.1	4,619
24	7.4	184	55	0.83	Rain	4,200	0.8	93	162.6	3,316
25	6.9	444	54	0.40	Overcast	2,490	3.4	112	130.3	2,352
26	6.9		56		P Cloudy	2,050	3.5	111	97.7	
27	7.0		61		P Cloudy	2,250	3.9	88	102.1	
28	6.6	180	66	0.39	Rain	1,000	4.5	50	100.3	2,522.
29	6.8	184	65	0.18	P Cloudy	1,850	3.4	93	103.9	3,599.
30	6.8	160	74		P Cloudy	2,200	3.4	80	107.3	2,607.
Total				4.29					3,617.0	72,898.
Avg.		193	58			2,050	3.1	88	120.6	3,313.

Report Approved by: Edwin R Cg

Title: Operations Division Manager

Page 1

Footnotes:

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENT QUALITY
MONTHLY MONITORING RECORD FOR WASTEWATER FACILITIES

Facility: **Bissell Point Wastewater Treatment Plant**
Location: **10 East Grand Ave**
Receiving Waters: **Mississippi River**
For the Month of: **May, 2003**

Permit No: **MO-0025178**
Region: **St. Louis**
Outfall No: **001**
Type of Treatment Facility: **Secondary Treatme**

	Influent		Weather			Mixed Liquor			Incinerate	Rem
Date	pH (SU)	TSS (mg/L)	Ambient Avg Temp (Deg F)	Rainfall (Inches)	Condition	MLSS (mg/L)	DO (mg/L)	SSV-30 (ml/L)	Dry Tons	A Cu
1	6.8	172	67	0.06	P Cloudy	1,880	3.2	85	46.1	3,37
2	6.8	176	58	0.00	P Cloudy	1,760	4.0	82	38.3	
3	6.6		57	0.00	P Cloudy	1,630	3.6	76	108.9	
4	6.7		59	0.78	P Cloudy	2,750	2.1	113	105.7	
5	6.7	240	71	0.21	P Cloudy	3,100	3.6	135	80.1	
6	6.8	192	69	0.51	P Cloudy	3,600	4.4	108	57.3	
7	6.7	120	67		Overcast	2,000	4.8	100	98.4	
8	6.8	168	62	0.00	Overcast	2,150	4.4	100	110.8	
9	6.8	128	80	0.00	P Cloudy	1,200	4.3	100	99.5	
10	6.1		72	1.02	Overcast	5,950	2.7	102	111.7	
11	6.0		59		P Cloudy	3,650	3.9	98	86.1	
12	6.9	136	62		Clear	3,350	3.3	119	76.3	
13	6.8	140	65	0.00	P Cloudy	2,600	2.5	95	67.6	
14	6.8	152	68		P Cloudy	2,400	2.6	85	111.0	
15	6.7	268	67	0.04	P Cloudy	3,150	0.9	130	100.4	
16	6.7	236	62	0.08	P Cloudy	2,900	0.8	134	114.3	
17	6.8		64	0.06	P Cloudy	1,950	1.5	112	106.2	
18	6.5		70	0.01	P Cloudy	1,220	1.7	94	102.1	
19	6.7	300	69	0.01	P Cloudy	2,250	1.0	90	111.0	
20	6.7	236	64	0.09	P Cloudy	3,200	1.8	138	58.4	
21	6.7	412	59		P Cloudy	2,700	2.5	118	56.7	
22	6.6	156	60		P Cloudy	2,750	2.4	110	72.9	
23	6.9	162	60		P Cloudy	2,370	1.9	106	106.8	
24	6.7		60	0.55	P Cloudy	3,950	1.9	105	106.0	
25	6.8		65	0.29	P Cloudy	4,350	2.4	122	114.9	
26	6.8	80	63		Overcast	3,800	3.2	146	109.9	
27	9.9	172	67		Clear	5,100	2.7	102	107.7	
28	9.9	152	72	0.00	Clear	4,250	3.3	78	105.8	
29	9.9	172	68		P Cloudy	1,500	2.5	53	110.8	
30	9.9	142	71	0.26	Overcast	2,060	0.7	50	113.1	
31	9.9		65	0.00	P Cloudy	1,450	1.7	63	116.5	
Total				3.98					2,911.3	3,372.7
Avg.		187	65			2,805	2.7	102	93.9	3,372.7

Report Approved by: Edwin R Cole

Title: Operations Division Manager

6/16/03

Page 1

Footnotes:

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENT QUALITY
MONTHLY MONITORING RECORD FOR WASTEWATER FACILITIES

Facility: **Bissell Point Wastewater Treatment Plant**
Location: **10 East Grand Ave**
Receiving Waters: **Mississippi River**
For the Month of: **September, 2003**

Permit No: **MO-0025178**
Region: **St. Louis**
Outfall No: **001**
Type of Treatment Facility: **Secondary Treatment**

	Influent		Weather			Mixed Liquor			Incinerate	Remov
Date	pH (SU)	TSS (mg/L)	Ambient Avg Temp (Deg F)	Rainfall (Inches)	Condition	MLSS (mg/L)	DO (mg/L)	SSV-30 (ml/L)	Dry Tons	Ash Cu Yd
1	6.5	160	71	1.98	Rain	2,900	1.3	153	118.3	
2	6.8	94	69	0.27	Rain	2,700	2.3	127	93.8	
3	6.7	148	73	0.00	Overcast	2,400	2.1	92	102.7	
4	6.8	178	69		P Cloudy	1,470	2.3	60	98.6	
5	6.7	244	68		Clear	1,280	1.7	58	79.3	
6	6.7		68		Clear	1,740	1.7	77	102.8	
7	6.7		71		Clear	2,000	1.7	79	109.9	
8	6.7	160	72		Clear	1,850	1.4	82	115.4	
9	6.8	*1	73		Clear	1,700	1.5	105	86.4	
10	6.7	272	75		Clear	1,720	1.5	92	97.4	
11	6.7	190	78		P Cloudy	1,400	1.3	92	94.0	
12	6.8	328	75	0.23	Overcast	1,720	0.9	74	106.2	
13	6.8		73	0.02	P Cloudy	2,140	1.4	104	105.5	
14	6.8		67	0.01	P Cloudy	1,640	1.7	81	110.7	
15	6.7	390	68		P Cloudy	1,010	2.1	62	102.9	
16	6.8	238	72		P Cloudy	1,070	1.6	57	104.8	
17	6.8	174	70		Clear	1,370	1.5	72	82.2	
18	6.9	196	74		P Cloudy	1,475	1.6	88	93.4	1,268.2
19	6.7	408	61	0.00	P Cloudy	1,420	1.8	73	113.6	1,149.3
20	6.8		64		P Cloudy	1,660	1.9	72	105.4	
21	7.3		67	0.04	Clear	1,220	1.6	71	102.3	
22	6.7	290	70	0.01	P Cloudy	1,600	1.5	73	93.6	1,743.7
23	6.9	190	65		P Cloudy	1,260	1.8	70	65.3	1,823.0
24	6.8	212	77	0.03	Clear	1,375	1.5	73	94.5	1,981.5
25	7.2	240	62		Clear	1,540	1.4	78	94.4	2,021.1
26	6.7	568	69	1.35	Rain	2,270	1.6	119	109.5	
27	5.4		62	0.01	P Cloudy	1,960	1.9	112	119.1	
28	6.8		55		P Cloudy	1,880	2.0	91	109.1	
29	6.8	548	54		P Cloudy	1,320	1.7	68	103.8	1,783.4
30	5.6	396	50	0.20	Rain	1,160	2.1	62	101.7	1,070.0
Total				4.15					3,016.8	12,840.2
Avg.		268	68			1,675	1.7	84	100.6	1,605.0

Report Approved by: Edwin R Cope Jr.

Title: Operations Division Manager

Date: 10/21/03

Page 1

Footnotes:
*1 Sample contamination Analysis not conducted as per Dan Hale

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENT QUALITY
MONTHLY MONITORING RECORD FOR WASTEWATER FACILITIES

Facility: Bissell Point Wastewater Treatment Plant
Location: 10 East Grand Ave
Receiving Waters: Mississippi River
For the Month of: October, 2003

Permit No: MO-0025178
Region: St. Louis
Outfall No: 001
Type of Treatment Facility: Secondary Treatm

	Influent		Weather			Mixed Liquor			Incinerate	Re
Date	pH (SU)	TSS (mg/L)	Ambient Avg Temp (Deg F)	Rainfall (Inches)	Condition	MLSS (mg/L)	DO (mg/L)	SSV-30 (ml/L)	Dry Tons	Cu
1	7.6	592	52		P Cloudy	1,360	1.8	70	87.1	
2	6.3	590	48		P Cloudy	1,625	1.5	73	85.9	3,9
3	6.9	330	51	0.03	P Cloudy	1,260	1.4	81	104.0	3,3
4	6.6		61		Clear	1,340	1.4	81	90.1	2,9
5	7.6		67		P Cloudy	1,360	1.3	82	88.5	
6	6.8	180	68		P Cloudy	1,575	1.5	88	79.6	4,3
7	6.7	172	69		Clear	1,625	1.5	102	85.2	4,6
8	6.9	196	69		Clear	1,850	1.6	102	77.2	2,7
9	7.1	160	65	1.13	Rain	2,050	1.9	133	137.1	1,0
10	7.2	992	68		Clear	2,030	1.9	141	115.9	
11	7.5		67	0.07	P Cloudy	2,360	2.3	102	102.6	
12	7.4		61	0.00	P Cloudy	2,300	2.2	110	96.1	
13	6.6	400	60	0.08	Clear	1,300	2.0	103	92.5	4,04
14	6.8	360	59	0.25	P Cloudy	1,825	2.3	112	94.3	
15	6.7	340	59		P Cloudy	1,380	2.0	95	65.9	4,16
16	6.9	270	59	0.80	P Cloudy	1,550	2.1	93	84.0	3,44
17	6.8	332	54	0.04	P Cloudy	2,050	2.3	117	95.2	4,24
18	6.8		59		Clear	1,380	2.2	110	70.1	
19	6.6		67		P Cloudy	1,425	2.1	103	53.3	
20	6.7	234	73		Clear	1,230	1.8	87	47.0	11
21	6.8	270	66		Clear	1,220	2.0	70	50.7	
22	6.8	330	62		Clear	1,320	1.8	77	75.9	
23	7.0	700	62		Clear	1,400	1.7	90	73.4	
24	6.8	218	62		P Cloudy	1,180	1.6	90	66.6	
25	6.7		59	0.20	Rain	1,530	2.1	79	82.2	
26	6.9		45		P Cloudy	1,660	2.4	81	94.2	
27	6.7	250	48	0.03	P Cloudy	1,475	2.3	81	73.3	
28	6.7	540	52	0.18	P Cloudy	1,580	2.0	115	96.7	
29	6.7	370	51		P Cloudy	1,580	2.3	98	86.0	
30	6.8	420	63		P Cloudy	1,500	2.0	88	54.0	
31	6.9	194	65	0.00	P Cloudy	1,430	1.8	89	48.4	
Total				2.81					2,553.2	38,996.
Avg.		367	60			1,573	1.9	95	82.4	3,249.

Report Approved by: Edwin R Cyre Jr.

Title: Operations Division Manager

Date: 11/17/03

Page 1

Footnotes:

Becca Coyle mailed application on 12/6/18.

MSD

Austin Nieman

From:	Becca Coyle
Sent:	Thursday, December 06, 2018 1:07 PM
To:	Austin Nieman
Subject:	RE: NRC Registration Forms
Attachments:	Bissell TP NRC for 664 December 2018.pdf
Follow Up Flag:	Follow up
Flag Status:	Flagged

Mailing today after work. I will attach to work order and complete work order once Maximo is up and running.

Thanks,

Becca

From: Austin Nieman
Sent: Monday, December 03, 2018 8:06 AM
To: Becca Coyle
Subject: NRC Registration Forms

Hey Becca,

I just had a reminder pop up that we should be looking for the nuclear device registration forms to be arriving any time now. They did not come until February last year if I remember correctly, but historically they have arrived in December. Please let me know when you get the forms.

Thanks,

Austin Nieman, P.E.
Metropolitan St. Louis Sewer District
Division of Environmental Compliance
10 E. Grand Avenue | St. Louis, MO 63147
(314) 436-8700 | (314) 436-8766

Please consider the environment before printing this e-mail.

BT_OTHER_2018_12_APP_NRC_GL

Metropolitan
St. Louis Sewer
District

Bissell Point Treatment Plant
10 East Grand Avenue
St. Louis, MO 63147-2913

December 6, 2018

Director, Office of Nuclear Material Safety and Safeguards
ATTN: GLTS
U.S. Nuclear Regulatory Commission
Washington DC 20555-0001

Re: Annual Registration of Generally Licensed Devices, GL-705439-24

Dear Director,

Please see attached completed NRC Form 664. Please note Section 6 that was mailed to us was incorrect and replaced with a corrected section 6. Please let me know if you have any questions or concerns.

Sincerely,

Rebecca J Coyle
Division Manager
Bissell Point Treatment Plant
10 East Grand Ave.
St. Louis, MO 63147
314-436-8749

GL-705439-24
11/13/2018
NRC FORM 664
(04 - 2018)
10 CFR 31.5

U.S. NUCLEAR REGULARTORY COMMISSION

GENERAL LICENSEE REGISTRATION

APPROVED BY OMB: NO. 3150-0198 **OMB EXPIRATION DATE: 02/28/2019**

Estimated burden per response to comply with this mandatory collection request 20 minutes. NRC will use this informationto track general licencees and their devices to ensure a higher level of device accountability. Send comments regarding burden estimate to the FOIA, Privacy, and Information Collection Branch (T-5 F53), U.S. Nuclear Regulatory Commission, Washington, DC 205555-0001, or by internet e-mail to Infocollects.Resource@nrc.gov, and to the DeskOfficer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0198), 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.

Complete all six sections of this registration form. If any of the preprinted information is incorrect, provide the changes in the applicable boxes. USE CAPITAL LETTERS.

General License Registration Number
GL-705439-24

SECTION 1 - GENERAL LICENSEE INFORMATION

Enter the company name and the street address for the physical location of use for your device(s). For portable devices, specify the primary storage location. Do not use P.O. Boxes.

Company Name: METRO ST LOUIS SEWER

Department: BISSELL POINT TREATMENT

Address Line 1: 10 EAST GRAND AVENUE

Address Line 2:

City: SAINT LOUIS

State: MO

Zip Code: 631472913 -

For NRC Use Only
(Do not write here)

Category:

Packet Receipt Date (MMDDYYYY):

Accession Number:

GL-705439-24
11/13/2018

SECTION 1 - GENERAL LICENSEE INFORMATION (Continued)

Enter the name, telephone number and title of the person who is the responsible individual for the device(s).

Last Name: COYLE

First Name: REBECCA

Middle Initial: J

Business Telephone Number: (314) 436-8749

Extension:

Title: OPERATIONS DIV MANAGER

Enter the mailing address where correspondence regarding your device(s) should be sent.

Department: BISSELL POINT TREATMENT

Address Line 1: 10 EAST GRAND AVENUE

Address Line 2:

City: SAINT LOUIS

State: MO

Zip Code: 631472913 -

GL-705439-24
11/13/2018

SECTION 2 - DEVICES SUBJECT TO REGISTRATION

Our records indicate that you have these devices. Please updtae the information as necessary.

NRC Device Key **349410** **(Internal Control Number)**

Distributor/Dustributed By: Thermo Process Instruments, L.P.

Distributor License Number: L01105

Manufacturer name: TN TECHNOLOGIES, INC.

Device Model (Not Source Model): 5203

Device Serial Number: B215

Transfer Date: 11/15/1987

MM DD YYYY

☐ **Not in possession of device (Also complete Section 4.)**

	Isotope (e.g. AM241)	Activity (e.g. 1005)	Unit (e.g. mCi)
1	CS137	2000	mCi
2			
3			
4			
5			
6			

GL-705439-24
11/13/2018

SECTION 3 - ADDITIONAL DEVICES SUBJECT TO REGISTRATION

Provide information about other devices you have that are subject to registration. Do not report specifically licensed devices.

Manufacturer Name

Initial Transferor Name

Initial Transferor License Number (if known)

Device Model Number (Not Source Model)

Device Serial Number

How acquired and date (e.g., from a distributor/manufacturer, other licensee, other source)?

- O Manufacturer/Initial Transferor listed above
- O Other General Licensee
- O Other Sources

Date Transferred: MM DD YYYY

	Isotope (e.g. AM241)	Activity (e.g. 100)	Unit (e.g. mCi)
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			

GL-705439-24
11/13/2018

SECTION 4 - NOT IN POSSESSION OF DEVICE

Provide information about devices listed in Section 2 or 6, but no longer in your possession.

Part 1

NRC Device Key:
(from Section 2 or 6)

Transfer Date:
MM DD YYYY

Location of the Device:

- O Whereabouts Unknown (Complete Part 1 only)
- O Never Possessed the Device (Complete Part 1 only)
- O Returned to Manufacturer (Complete Part 1 only)
- O Transferred to another general licensee (Complete Parts 2 and 3)
- O Transferred to a Specific Licensee (Not the manufacturer) (Complete Part 2)

Part 2 License Number of Recipient (if transferred to a specific licensee):

Company Name:

Department:

Address Line 1:

Address Line 2:

City:

State: Zip Code: -

Part 3 **Enter the name of the individual responsibe for this device:**

Last name:

First name:

Middle Initial:

Business Telephone Number: Extension:

Title:

GL-705439-24
11/13/2018

SECTION 5 - CERTIFICATION

I hereby certify that:

A. All information contained in this registration is true and complete to the best of my knowledge and belief.

B. A physical inventory of the devices subject to registration has been completed, and the device information on this form has been checked against the device labeling

C. I am aware of the requirements of the general license, provided in 10 CFR 31 5.
(Copied of applicable regulations may be viewed at the NRC website at:
http://www.nrc.gov/reading-rm/doc-collections/cfr)

Rebecca Cole 12/3/18

SIGNATURE - RESPONSIBLE INDIVIDUAL (Listed in Section 1) **DATE**

WARNING: FALSE STATEMENTS MAY BE SUBJECT TO CIVIL AND/OR CRIMINAL PENALTIES. NRC REGULATIONS REQUIRE THAT SUBMISSIONS TO THE NRC BE COMPLETE AND ACCURATE IN ALL MATERIAL ASPECTS. 10 U.S.C SECTION 1001 MAKES IT A CRIMINAL OFFENSE TO MAKE A WILLFULLY WRONG STATEMENT OR REPRESENTATION TO ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTER IN ITS JURISDICTION.

GL-705439-~~23~~ 24
~~01/26/2018~~
11/13/2018

SECTION 6 - DEVICES NOT SUBJECT TO REGISTRATION

NRC Device Key: Manufacturer License No:

Manufacturer Name:

Model Number: Serial #: Transfer Date:

MSD

Fiscal Year: 10/01/2018 - 09/30/2019
Quarter Period: 10/01/2018 - 09/30/2019

Vendor:

METRO ST LOUIS SEWER
ATTN: Bret ~~Berthold~~ Rebecca Coyle
10 EAST GRAND AVENUE
SAINT LOUIS, MO 63147

Remit To:

Office of the Chief Financial Officer
U.S. Nuclear Regulatory Commission
P.O. Box 979051
St. Louis, MO 63197

Docket	Invoice Number	Invoice Date	Invoice Due Date	Invoice Amount
705439	LFB 19-1097	Nov 29, 2018	Dec 29, 2018	$700.00

For questions, contact (301) 415-7554 or by email at fees.resource@nrc.gov. For NRC debt collection procedures, including interest and penalty provisions, see 31 U.S.C. 3717,4 CFR 101-105, AND 10 CFR 15. Additional terms and conditions are attached.

Make checks payable to The U.S. Nuclear Regulatory Commission. Interest will accrue from the invoice date at an annual rate of 1%. Interest will be waived if payment is received by the due date. Please reference the invoice number on the remittance.

BT_OTHER_2018_12_COR_NRC FEE

MSD

Billing Details:

Docket #: **705439**

Docket Name: **METRO ST LOUIS SEWER**

License #: **705439**

Flat Application Fees Outstanding:

LFB 19-1097	Dec 29, 2018	3Q	$700.00
		Total	**$700.00**

Docket Total: **705439** **$700.00**

NRC FORM 531
(03-2016)
NRC MD 12.3

U.S. NUCLEAR REGULATORY COMMISSION

REQUEST FOR TAXPAYER INDENTIFICATION NUMBER

APPROVED BY OMB: NO. 3150-0188 EXPIRES: 02/28/2019

Estimated burden per response to comply with this mandatory collection request: 15 minutes. The information is required by NRC to process payments to contractors. Send comments regarding burden estimate to the FOIA, Privacy and Information Collections Branch (T-5 F53), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by e-mail to Infocollects.Resource@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0188), 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.

In accordance with the Debt Collection Improvement Act of 1996, you are required to provide your taxpayer identification number. This number may be used to make payments (refunds) or for purposes of collecting and reporting on any delinquent amounts arising out of your relationship with the Federal Government.

Please complete the applicable blocks and fax the completed form to (301) 415-4135. Thank you for your assistance and cooperation. If you have any questions, please contact us. Our telephone number is (301) 415-7554.

Indicate the status of your business:

- [ ] CORPORATION
- [x] CITY/STATE GOVERNMENT
- [ ] OTHER (Specify in box below)
- [ ] INDIVIDUAL
- [ ] PARTNERSHIP
- [ ] FEDERAL GOVERNMENT

TAXPAYER IDENTIFICATION NUMBER	NRC LICENSE OR REGISTRATION NUMBER(S)
SOCIAL SECURITY NUMBER ___ - __ - ____	7 0 5 4 3 9
OR	
EMPLOYER IDENTIFICATION NUMBER 4 3 - 6 0 1 1 9 9 1	

Under penalties of perjury, I certify that the number shown on this form is my correct taxpayer identification number.

SIGNATURE - TAXPAYER REPRESENTATIVE	NRC LICENSEE OR VENDOR
Rebecca Coyle	Metropolitan St. Louis Sewer District - Bissell Point TP

BILLING ADDRESS
10 East Grand Ave
St. Louis, MO. 63147

BILLING TELEPHONE NUMBER	BILLING EMAIL ADDRESS
314-436-8749	rjcoyle@stlmsd.com

MSD

2350 MARKET STREET
ST. LOUIS, MISSOURI 63103-2555

NUMBER 041372

Invoice Number	Date	Invoice Message	Invoice Amount	Discount	Amount Paid
LFB 19-1097	11-29-18	GL705439-24 INV LFB 19-109	700.00	0.00	700.00
				Total	700.00

WARNING - THIS CHECK HAS THE HIDDEN "VOID" FEATURE

US Bank

THE METROPOLITAN ST. LOUIS SEWER DISTRICT
2350 MARKET STREET
ST. LOUIS, MISSOURI 63103-2555

CHECK NUMBER 841372

4-21
810

Date 12-12-18

PAY EXACTLY $**700 DOLLARS AND 00 CENTS $**700.00

VOID if not cashed within 90 days

PAY TO THE ORDER OF
US NUCLEAR REGULATORY COMMISSION
OFFICE OF THE CFO
PO BOX 979051
ST LOUIS MO 63197-9000

⑈841372⑈ ⑆081000210⑆ 1523108954 86⑈

MSD

Fiscal Year: 10/01/2017 - 09/30/2018
Quarter Period: 10/01/2017 - 09/30/2018

Vendor:

METRO ST LOUIS SEWER
ATTN: Bret Berthold
10 EAST GRAND AVENUE
SAINT LOUIS, MO 63147

Remit To:

Office of the Chief Financial Officer
U.S. Nuclear Regulatory Commission
P.O. Box 979051
St. Louis, MO 63197

Docket	Invoice Number	Invoice Date	Invoice Due Date	Invoice Amount
705439	LFB 18-4122	May 8, 2018	Jun 7, 2018	$500.00

For questions, contact (301) 415-7554 or by email at fees.resource@nrc.gov. For NRC debt collection procedures, including interest and penalty provisions, see 31 U.S.C. 3717,4 CFR 101-105, AND 10 CFR 15. Additional terms and conditions are attached.

Make checks payable to The U.S. Nuclear Regulatory Commission. Interest will accrue from the invoice date at an annual rate of 1%. Interest will be waived if payment is received by the due date. Please reference the invoice number on the remittance.

BT_OTHER_2018_05_COR_NRCFEE

Billing Details:

Docket #: 705439 License #: 705439

Flat Application Fees Outstanding:

LFB 18-4122	Jun 7, 2018	3Q	$500.00
		Total	$500.00

Docket Total: 705439 **$500.00**

Austin Nieman

From:	Becca Coyle
Sent:	Wednesday, February 21, 2018 9:47 AM
To:	'Katie.Wagner@nrc.gov'
Cc:	Austin Nieman
Subject:	St Louis MSD NRC Form 664 February 2018
Attachments:	St Louis MSD NRC Form 664 February 2018.pdf

Hi Katie,

Please see attached form and let me know if you have any questions. Please confirm receipt of this email.

Thank you,

Becca Coyle
Operations Division Manager
Bissell Treatment Plant
10 E. Grand Ave
St. Louis, MO 63147

BT_OTHER_2018_02_APP_NRC_GL

GL-705439-23
01/26/2018
NRC FORM 664
(01 - 2018)
10 CFR 31.5

U.S. NUCLEAR REGULATORY COMMISSION

GENERAL LICENSEE REGISTRATION

APPROVED BY OMB: NO. 3150-0198 **OMB EXPIRATION DATE: 02/28/2019**

Estimated burden per response to comply with this mandatory collection request: 20 minutes. NRC will use this information to track general licensees and their devices to ensure a higher level of device accountability. Send comments regarding burden estimate to the Information Services Branch (T-2 F43), U. S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by e-mail to Infocollects.Resource@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0198), 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.

Complete all six sections of this registration form. If any of the preprinted information is incorrect, provide the changes in the applicable boxes. USE CAPITAL LETTERS.

General License Registration Number GL-705439-23

SECTION 1 - GENERAL LICENSEE INFORMATION

Enter the company name and street address for the physical location of use for the device(s). For portable devices, specify the primary storage location. Do not use P. O. Boxes.

Company Name: METRO ST LOUIS SEWER

Department: BISSELL POINT TREATMENT

Address Line 1: 10 EAST GRAND AVENUE

Address Line 2:

City: SAINT LOUIS

State: MO

Zip Code: 63147 - 2913

For NRC Use Only
(Do not write here)

Category:

Packet Receipt Date (MMDDYYYY):

Accession Number:

SECTION 1 - GENERAL LICENSEE INFORMATION (Continued)

Enter the name, telephone number and title of the person who is the responsible individual for the device(s).

Last Name: COYLE

First Name: REBECCA

Middle Initial: J

Business Telephone Number: (314) 436-8749

Extension:

Title: OPERATIONS DIV MANAGER

Enter the mailing address where correspondence regarding your device(s) should be sent. This address should be specific to the physical location where the devices are used and/or stored.

Department: BISSELL POINT TREATMENT

Address Line 1: 10 EAST GRAND AVENUE

Address Line 2:

City: SAINT LOUIS

State: MO

Zip Code: 63147 - 2913

GL-705439-23
01/26/2018

SECTION 2 - DEVICES SUBJECT TO REGISTRATION

Our records indicate that you have these devices. Please update the information as necessary.

NRC Device Key **349410** **(Internal Control Number)**

Distributor/Distributed By: TN TECHNOLOGIES, INC.

Distributor License Number: L01105

Manufacturer Name: TN TECHNOLOGIES, INC.

Device Model (Not Source Model): 5203

Device Serial Number: B215

Transfer Date: 11/15/1987

MM DD YYYY

☐ **Not in possession of device (Also complete Section 4.)**

	Isotope (e.g. AM241)	Activity (e.g. 100)	Unit (e.g. mCi)
1	CS137	2000.000000000	mCi
2			
3			
4			
5			
6			

GL-705439-23
01/26/2018

SECTION 3 - ADDITIONAL DEVICES SUBJECT TO REGISTRATION

Provide information about other devices you have that are subject to registration. Do not report specifically licensed devices.

Manufacturer Name

Initial Transferor Name

Initial Transferor License Number (if known)

Device Model Number (Not Source Model)

Device Serial Number

How acquired and date (e.g., from a distributor/manufacturer, other licensee, other source)?

- ○ Manufacturer/Initial Transferor listed above
- ○ Other General Licensee
- ○ Other Source

Date Transferred: MM DD YYYY

	Isotope (e.g. AM241)	Activity (e.g. 100)	Unit (e.g. mCi)
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			

GL-705439-23
01/26/2018

SECTION 4 - NOT IN POSSESSION OF DEVICE

Provide information about devices listed in Section 2 or 6, but no longer in your possession.

Part 1

NRC Device Key:
(from Section 2 or 6)

Transfer Date:
MM DD YYYY

Location of the Device:

- ○ Whereabouts Unknown (complete Part 1 only)
- ○ Never Possessed the Device (complete Part 1 only)
- ○ Returned to Manufacturer (complete Part 1 only)
- ○ Transferred to another general licensee (complete Parts 2 and 3)
- ○ Transferred to a Specific Licensee (Not the manufacturer) (complete Part 2)

Part 2 License Number of Recipient (if transferred to a specific licensee):

Company Name:

Department:

Address Line 1:

Address Line 2:

City:

State: Zip Code: -

Part 3 **Enter the name of the individual responsible for this device:**

Last Name:

First Name:

Middle Initial:

Business Telephone Number: Extension:

Title:

SECTION 5 - CERTIFICATION

I hereby certify that:

A. All information contained in this registration is true and complete to the best of my knowledge and belief.

B. A physical inventory of the devices subject to registration has been completed, and the device information on this form has been checked against the device labeling.

C. I am aware of the requirements of the general license, provided in 10 CFR 31.5. (Copies of applicable regulations may be viewed at the NRC website at: http://www.nrc.gov/reading-rm/doc-collections/cfr)

2/14/18

SIGNATURE - RESPONSIBLE INDIVIDUAL (Listed in Section 1) **DATE**

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

SECTION 6 - DEVICES NOT SUBJECT TO REGISTRATION

NRC Device Key: Manufacturer License No:

Manufacturer Name:

Model Number: Serial #: Transfer Date:

Metropolitan
St. Louis Sewer
District

Bissell Point Treatment Plant
10 East Grand Avenue
St. Louis, MO 63147-2913

December 27, 2017

Director, Office of Nuclear Material Safety and Safeguards
ATTN: GLTS
U.S. Nuclear Regulatory Commission
Washington DC 20555-0001

Re: Annual Registration of Generally Licensed Devices, GL-705439-21

Dear Director,

I did not receive a packet in the mail this year so I downloaded the NRC Form 664 and completed. The completed form is attached. Please let me know if you have any questions or concerns.

Sincerely,

Rebecca J Coyle
Division Manager
Bissell Point Treatment Plant
10 East Grand Ave.
St. Louis, MO 63147

BT_OTHER_2017_12_APP_NRC GL

UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

TO: Users of Devices Subject to General License Registration

SUBJECT: ANNUAL REGISTRATION OF GENERALLY LICENSED DEVICES

The U.S. Nuclear Regulatory Commission (NRC) requires annual registration of certain devices that are possessed under the general license issued in Section 31.5 of Title 10 U.S. Code of Federal Regulations (10 CFR 31.5). Devices subject to registration include those containing the radioactive material and activity listed in Table 1 of the attached NRC Form 664. You are receiving this notice because NRC records indicate that you have one or more such devices. Information about the general license registration program is available NRC website at http://www.nrc.gov/materials/miau/miau-reg-initiatives/gen-license.html

Note that under 10 CFR 31.5(c)(11), the attached General Licensee Registration Package must be completed, signed, and returned to the NRC within 30 days from the date of this letter. Read all of the instructions prior to completing the package. Mail the completed package in the enclosed envelope to:

Director, Office of Nuclear Material Safety
and Safeguards
ATTN: GLTS
U.S. Nuclear Regulatory Commission
Washington DC 20555-0001

Registration Fee: Commission regulations (10 CFR 170.31, Category 3Q) require that you submit a registration fee with each registration on an annual basis. The registration fee is subject to change yearly, and you are required to submit the fee that is in effect as of the date of this letter. An invoice for the current amount due will be sent to you under separate cover. If you have any questions about the fee or the invoice, please contact the License Fee Billing Help Desk at (301) 415-7554 or e-mail at fees.resource@nrc.gov.

NRC amended 10 CFR Parts 170.11 and 170.31 to provide that 10 CFR Part 170 fees be assessed to Federal agencies, where applicable, in accordance with the Energy Policy Act of 2005. Therefore, those Federal facilities required to register certain generally licensed devices in their possession will be required to pay the annual registration fee.

Attachment: NRC Form 664 -- General Licensee Registration and Instructions

Sincerely,

Hector Rodriguez-Luccioni, PhD
U.S. Nuclear Regulatory Commission
Office of Nuclear Material Safety
and Safeguards
Division of Materials Safety, States, Tribal
and Rulemaking Programs
Materials Safety Licensing Branch

INSTRUCTIONS FOR COMPLETING NRC FORM 664
"GENERAL LICENSEE REGISTRATION"

Review all six sections of this registration form. If any information is incorrect or missing, make corrections in the applicable boxes. If you have more devices than space provided in the form, **copy the form before starting, as needed.** Use black ink and print in **CAPITAL LETTERS**. Start information in the first box provided. If the information contains a number with a dash (-) or a decimal point (.), include the dash or decimal point as an individual character. Use the "ø" character to represent the number 0 (zero).

Verify information about the devices by reviewing the label on the outside of the device. **For safety reasons, DO NOT TRY TO TAKE APART any device to verify this information.** If you are uncertain how to identify the device's label, contact the device's manufacturer or an authorized service agent for this information. Also, contact the manufacturer for any additional information about NRC requirements. You may also review 10 CFR 31.5 and other applicable regulations on the NRC web site at http://www.nrc.gov/reading-rm/doc-collections/cfr/, or review specific information about the general licensee project at http://www.nrc.gov/materials/miau/miau-reg-initiatives/gen-license.html

Note to specific licensees: If you believe the device(s) listed on the registration form are possessed under your specific license, then verify the device label does not state the device is subject to a general license. If the labels indicate the device is subject to a general license, then complete the registration form as instructed below. If not, complete the registration as instructed below, however, in Section 2, follow the instructions for "not in possession of device" and complete one Section 4 page per device transferred to your specific license.

Section 1 - General Licensee Information. Provide the requested information about you, the general licensee.

On Page 1, provide the street address/location where your device(s) are used. For portable devices, provide the storage location. P.O. Box addresses are not allowed.

Do not write in the box marked **For NRC Use Only**

On Page 2, provide the name, telephone number, and title of the individual responsible for your device(s), and a mailing address where correspondence about your device(s) can be sent. The mailing address should be specific to the physical location where the devices are used and/or stored (P.O. boxes may be used if this is the only available mailing address). The individual indicated in this section as responsible for your device(s) must also verify and sign the form in Section 5.

Section 2 - Devices Subject to Registration. This section lists each device subject to registration and in your possession, according to NRC records. Devices subject to registration include those containing at least one of the radionuclides listed in Table 1, with the activity indicated, at the time of manufacture.

Table 1. Criteria for Registration

Radionuclide	Activity greater than or equal to:
Strontium-90, Radium-226	3.7 megabecquerel (0.1 millicurie)
Cobalt-60, Curium-244, Americium-241, Californium-252	37 megabecquerel (1 millicurie)
Cesium-137	370 megabecquerel (10 millicurie)

Use the codes from Table 2 when correcting isotope information for devices in this section. If you do not possess a device on this list, blacken the "not in possession of device" circle, and provide the relevant information in Section 4. Note that each device is assigned a unique six-digit number called the NRC Device Key.

Table 2. Isotope Codes for Sections 2 and 3

Radionuclide	Code for form	Radionuclide	Code for form
Americium-241	AM241	Curium-244	CM244
Californium-252	CF252	Strontium-90	SR90
Cesium-137	CS137	Radium-226	RA226
Cobalt-60	CO60		

Section 3 - Additional Devices. If you have other generally licensed devices (not listed in Section 2) that meet the conditions for registration listed in Table 1, provide information about each additional device. **Before starting, copy this section as needed for your additional devices.** Also indicate how you acquired each device by blackening the proper circle.

When entering isotope and unit information for your device(s), use the codes listed in Table 2 of Section 2 for isotope information, and use the codes from Table 3 for unit information:

Table 3. Unit Codes for Section 3

Unit	Code for form	Unit	Code for form
picocurie	PCI	becquerel	BQ
nanocurie	NCI	kilobecurel	KBQ
microcurie	UCI	megabecurel	MBQ
millicurie	MCI	gigabecurel	GBQ
curie	CI	terabecurel	TBQ
pound	LB	microgram	UG
		milligram	MG
kilogram	KG	gram	G

Section 4 - Not in Possession of Device. Use this section to report any devices that are listed in Sections 2 or 6, but that you no longer possess. **Before starting, copy this section as needed for additional devices that are not in your possession.** Enter the NRC Device Key, as listed in Section 2 or 6. Blacken the circle (choose only one) that best describes the disposition of the device and complete the rest of the section as appropriate.

Section 5 - Certification and Signature. The responsible individual must certify, sign, and date Section 5.

Section 6 - Devices Not Subject to Registration. This list contains information about devices that NRC records indicate are in your possession, but **are not subject to registration.** If you no longer have one or more of the listed devices, you are required to make a transfer report to NRC in accordance with 10 CFR 31.5(c)(8) or (9), as applicable. You may use Section 4 for this purpose. This section does not list any static eliminators containing polonium-210 (Po-210), or luminous exit signs containing tritium (H-3). These devices are not subject to registration, and are not included in this section in an effort to reduce the length of this form.

RETURN THE COMPLETED FORM IN THE ENCLOSED LARGE ENVELOPE WITH PROPER POSTAGE.

GL - 705439 - 21

Date 12/27/17

NRC FORM 664
(02-2016)
10 CFR 31.5

U.S. NUCLEAR REGULATORY COMMISSION

GENERAL LICENSEE REGISTRATION

APPROVED BY OMB: NO. 3150-0198 **OMB EXPIRATION DATE: 02/28/2019**

Estimated burden per response to comply with this mandatory collection request: 20 minutes. NRC will use this information to track general licensees and their devices to ensure a higher level of device accountability. Send comments regarding burden estimate to the FOIA, Privacy, and Information Collections Branch (T-5 F53), U. S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to Infocollects.Resource@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0198), 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.

Complete all six sections of this registration form. If any of the preprinted information is incorrect, provide the changes in the applicable boxes. USE CAPITAL LETTERS.

General License Registration Number **SECTION 1 - GENERAL LICENSEE INFORMATION**

GL - 705439 - 21

Enter the company name and street address for the physical location of use for the device(s). For portable devices, specify the primary storage location. Do not use P. O. Boxes.

Company Name: Metro St Louis Sewer

Department: Bissell Point Treatment

Address Line 1: 10 East Grand Avenue

Address Line 2:

City: Saint Louis

State: MO Zip Code: 63147 - 2913

For NRC Use Only
(Do not write here)

Category:

Packet Receipt Date (MMDDYYYY)

Accession Number

GL - 705439 - 21

Date 12/27/17

SECTION 1 - GENERAL LICENSEE INFORMATION (Continued)

Enter the name, telephone number, and title of the person who is the responsible individual for the device(s).

Last Name: Coyle

First Name: Rebecca

Middle Initial: J

Telephone: 314 - 436 - 8749

Extension:

Title: Operations Div Manager

Enter the mailing address where correspondence regarding your device(s) should be sent.

Department: Bissell Point Treatment

Address Line 1: 10 East Grand Avenue

Address Line 2:

City: Saint Louis

State: MO

Zip Code: 63147 - 2913

GL - 705439 - 21

Date 12/27/17

SECTION 2 - DEVICES SUBJECT TO REGISTRATION

Our records indicate that you have these devices. Please update the information as necessary.

NRC Device Key 349410 (Internal Control Number)

Distributor/Distributed By:

TN Technologies INC

Distributor License Number:

L01105

Manufacturer Name:

TN Technologies INC

Device Model (Not Source Model):

5203

Device Serial Number:

B215

☐ Not in possession of device (Also complete Section 4)

Transfer Date: MM/DD/YYYY

11 (MM) 15 (DD) 1987 (YYYY)

	Isotope (e.g., AM241)	Activity (e.g., 100)	Unit (e.g., mCi)
1.	CS137	2000	mCi
2.			
3.			
4.			
5.			
6.			

GL - 705439 - 21

Date 12/27/17

SECTION 3 - ADDITIONAL DEVICES SUBJECT TO REGISTRATION

Provide information about other devices you have that are subject to registration. Do not report specifically licensed devices.

Manufacturer Name

Initial Transferor Name

Initial Transferor License Number (if known)

Device Model Number (Not Source Model)

Device Serial Number

How acquired and date (e.g., from a distributor/ manufacturer, other licensee, other source)?

- ☐ Manufacturer/Initial Transferor listed above
- ☐ Other General License
- ☐ Other Source

Date Transferred: MM DD YYYY

	Isotope (e.g., AM241)	Activity (e.g., 100)	Unit (e.g., mCi)
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			

GL - 705439 - 21

Date 12/27/17

SECTION 4 - NOT IN POSSESSION OF DEVICE

Provide information about devices listed in Section 2 or 6, but no longer in your possession.

Part 1

NRC Device Key _____
(from Section 2 or 6)

Transfer Date

MM DD YYYY

Location of the Device:

- ☐ Whereabouts Unknown *(Complete Part 1 only)*
- ☐ Never Possessed the Device *(Complete Part 1 only)*
- ☐ Returned to Manufacturer *(Complete Part 1 only)*
- ☐ Transferred to another general licensee *(Complete Parts 2 and 3)*
- ☐ Transferred to a Specific Licensee (not the manufacturer) *(Complete Part 2)*

Part 2

License Number of Recipient (if transferred to a specific licensee)

Company Name:

Department:

Address Line 1:

Address Line 2:

City:

State: Zip Code: -

Part 3 Enter the name of the individual responsible for this device.

Last Name:

First Name: Middle Initial:

Telephone Number: - - Extension

Title

GL - 705439 - 21

Date 12/27/17

SECTION 5 - CERTIFICATION

I hereby certify that:

A. All information contained in this registration is true and complete to the best of my knowledge and belief.

B. A physical inventory of the devices subject to registration has been completed and the device information on this form has been checked against the device labeling.

C. I am aware of the requirements of the general license, provided in 10 CFR 31.5. (Copies of applicable regulations may be viewed at the NRC web site at www.nrc.gov/reading-rm/doc-collections/cfr/

SIGNATURE - RESPONSIBLE INDIVIDUAL *(Listed in Section 1)* DATE 12/27/17

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

GL - 705439 - 21

Date 12/27/17

SECTION 6 - DEVICES NOT SUBJECT TO REGISTRATION

NRC Device Key: Manufacturer License No.:

Manufacturer Name:

Model Number: Serial No.: Transfer Date:

Isotope: Activity: Unit:

Isotope: Activity: Unit:

Isotope: Activity: Unit:

Isotope: Activity: Unit:

Isotope: Activity: Unit:

NRC Device Key: Manufacturer License No.:

Manufacturer Name:

Model Number: Serial No.: Transfer Date:

Isotope: Activity: Unit:

Isotope: Activity: Unit:

Isotope: Activity: Unit:

Isotope: Activity: Unit:

Isotope: Activity: Unit:

NRC Device Key: Manufacturer License No.:

Manufacturer Name:

Model Number: Serial No.: Transfer Date:

Isotope: Activity: Unit:

Isotope: Activity: Unit:

Isotope: Activity: Unit:

Isotope: Activity: Unit:

Isotope: Activity: Unit:

MSD

UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

September 28, 2017

METRO ST LOUIS SEWER
ATTN: REBECCA COYLE
10 EAST GRAND AVENUE
SAINT LOUIS, MO 63147

SUBJECT: ACKNOWLEDGMENT LETTER (REFERENCE NO.: GL-705439-21)

Dear REBECCA COYLE,

This letter is to confirm that we have received your response to the registration package for GL-705439-21.

We have completed processing your annual registration of certain general licensed devices. Please note that no further action is required from you at this time. If you transfer any general licensed device, change address and/or ownership you must notify the NRC in writing within 30 days of any transfer of general licensed device transfer, change in address and/or ownership.

Also, effective October 30, 2017, please note that the NRC will no longer be sending acknowledgment letters as part of the general license registration process. General licensees will be contacted by the NRC if further action is required regarding their general license registration(s).

You may refer to the Code of Federal Regulations (CFR), 10 CFR 31.5 or 31.7 as applicable, for additional regulatory requirements that you must meet as a General Licensee. If you have any questions regarding your registration or your responsibilities as a General Licensee please call (301) 415-6202 or visit www.nrc.gov/materials/medical.html.

Sincerely,

Katie Wagner
Office of Nuclear Material Safety
and Safeguards
Division of Material Safety, State, Tribal
and Rulemaking Programs
Materials Safety Licensing Branch

PMT

BT_OTHER_2017_09_COR_NRC GL

U.S.NRC

United States Nuclear Regulatory Commission

Protecting People and the Environment

Fiscal Year: **10/01/2016 - 09/30/2017**
Quarter Period: **10/01/2016 - 09/30/2017**

Vendor:

METRO ST LOUIS SEWER

10 EAST GRAND AVENUE
SAINT LOUIS, MO 63147

Remit To:

Office of the Chief Financial Officer
U.S. Nuclear Regulatory Commission
P.O. Box 979051
St. Louis, MO 63197

Invoices for Period:

Invoice Number	Date	Due Date	Amount	Docket
LFB 17-1039	Nov 30, 2016	Dec 30, 2016	$600.00	705439

For questions, contact (301) 415-7554 or by email at fees.resource@nrc.gov. For NRC debt collection procedures, including interest and penalty provisions, see 31 U.S.C. 3717,4 CFR 101-105, AND 10 CFR 15. Additional terms and conditions are attached.

Make checks payable to The U.S. Nuclear Regulatory Commission. Interest will accrue from the invoice date at an annual rate of 1%. Interest will be waived if payment is received by the due date. Please reference the invoice number on the remittance.

PT. OTHER [illegible]

Billing Details:

Docket #: **705439** **License #:** **705439**

Flat Application Fees Outstanding:

LFB 17-1039	Dec 30, 2016	3Q		$600.00
			Total	**$600.00**

Total for License/Docket: **$600.00**

Remittance Information:

Remit To: Office of the Chief Financial Officer

U.S. Nuclear Regulatory Commission
P.O. Box 979051
St. Louis, MO 63197

Invoice Number	Due Date	Docket	Amount
LFB 17-1039	Dec 30, 2016	705439	$600.00
		Total Due:	**$600.00**

U.S.NRC

United States Nuclear Regulatory Commission

Protecting People and the Environment

Fiscal Year: 10/01/2015 - 09/30/2016
Quarter Period: 10/01/2015 - 09/30/2016

Vendor:

METRO ST LOUIS SEWER

10 EAST GRAND AVENUE
SAINT LOUIS, MO 63147

Remit To:

Office of the Chief Financial Officer
U.S. Nuclear Regulatory Commission
P.O. Box 979051
St. Louis, MO 63197

Invoices for Period:

Invoice Number	Date	Due Date	Amount	Docket
LFB 16-1037	Nov 23, 2015	Dec 23, 2015	$400.00	705439

For questions, contact (301) 415-7554 or by email at fees.resource@nrc.gov. For NRC debt collection procedures, including interest and penalty provisions, see 31 U.S.C. 3717,4 CFR 101-105, AND 10 CFR 15. Additional terms and conditions are attached.

Make checks payable to The U.S. Nuclear Regulatory Commission. Interest will accrue from the invoice date at an annual rate of 1%. Interest will be waived if payment is received by the due date. Please reference the invoice number on the remittance.

MSD

BT_OTHER_2015_11_COR_NRC FEE

Billing Details:

Docket #: **705439** **License #:** **705439**

Flat Application Fees Outstanding:

LFB 16-1037	Dec 23, 2015	3Q		$400.00
			Total	**$400.00**

Total for License/Docket: **$400.00**

Remittance Information:

Remit To: Office of the Chief Financial Officer

U.S. Nuclear Regulatory Commission
P.O. Box 979051
St. Louis, MO 63197

Invoice Number	Due Date	Docket	Amount
LFB 16-1037	Dec 23, 2015	705439	$400.00
		Total Due:	**$400.00**

MSD

Cindy Kretzer

From: Buffy Santel
Sent: Tuesday, December 01, 2015 12:44 PM
To: Cindy Kretzer
Subject: NRC Registration
Attachments: SKMBT_C364e15120113580.pdf

This is going in the mail tomorrow.

BT_OTHER_2015_12_APP_NRC GL

GL-705439-20
11/03/2015
NRC FORM 664
07 - 2015
10 CFR 31.5

U.S. NUCLEAR REGULATORY COMMISSION

GENERAL LICENSEE REGISTRATION

APPROVED BY OMB: NO. 3150-0198 **EXPIRES: 04/30/2016**

Estimated burden per response to comply with this mandatory collection request: 20 minutes. NRC will use this information to track general licensees and their devices to ensure a higher level of device accountability. Send comments regarding burden estimate to the FOIA, Privacy, and Information Collections Branch (T-5 F53), U. S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to Infocollects.Resource@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0198), 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.

Complete all six sections of this registration form. If any of the preprinted information is incorrect, provide the changes in the applicable boxes. USE CAPITAL LETTERS.

General License Registration Number
GL-705439-20

SECTION 1 - GENERAL LICENSEE INFORMATION

Enter the company name and the street address/physical location of use for your device(s). For portable devices, specify the primary storage location. Do not use a P.O. Box address.

Company Name: METRO ST LOUIS SEWER

Department: BISSELL POINT TREATMENT

Address Line 1: 10 EAST GRAND AVENUE

Address Line 2:

City: SAINT LOUIS

State: MO Zip Code: 63147 - 2913 -

For NRC Use Only
(Do not write here)
Category:
Packet Receipt Date (MMDDYYYY):
Accession Number:

GL-705439-20
11/03/2015

SECTION 1 - GENERAL LICENSEE INFORMATION (Continued)

Enter the name, telelphone number and title of the person who is the responsible individual for the device(s).

Last Name: POLITTE

COYLE

First Name: CATHERINE

REBECCA

Middle Initial: R

J

Telephone: (314) 436-8749

Extension:

Title: OPERATIONS DIV MANAGER

Enter the mailing address where correspondence regarding your device(s) should be sent.
This address should be specific to the use or storage location of your device(s).

Department: BISSELL POINT TREATMENT

Address Line 1: 10 EAST GRAND AVENUE

Address Line 2:

City: SAINT LOUIS

State: MO

Zip Code: 63147 - 2913

GL-705439-20

11/03/2015

SECTION 2 - DEVICES SUBJECT TO REGISTRATION

Our records indicate that you have these devices. Please update the information as necessary.

NRC Device Key **349410** **(Internal Control Number)**

Distributor/Distributed By: TN TECHNOLOGIES, INC.

Distributor License Number: L01105

Manufacturer Name: TN TECHNOLOGIES, INC.

Device Model (Not Source Model): 5203

Device Serial Number: B215

Transfer Date (Receipt Date): 11/15/1987

MM DD YYYY

☐ **Not in possession of device (Also complete Section 4.)**

	Isotope (e.g. AM241)	Activity (e.g. 100)	Unit (e.g. mCi)
1	CS137	2000.000000000	mCi
2			
3			
4			
5			
6			

GL-705439-20
11/03/2015

SECTION 3 - ADDITIONAL DEVICES SUBJECT TO REGISTRATION

Provide information about other devices you have that are subject to registration. Do not report specifically licensed devices.

Manufacturer Name

Initial Transferor Name

Initial Transferor License Number (if known)

Device Model Number (Not Source Model)

Device Serial Number

How acquired and date (e.g., from a distributor/manufacturer, other licensee, other source)?

- ○ Manufacturer/Initial Transferor listed above
- ○ Other General Licensee
- ○ Other Source

Date Transferred: (Received) MM DD YYYY

	Isotope (e.g. AM241)	Activity (e.g. 100)	Unit (e.g. mCi)
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			

GL-705439-20
11/03/2015

SECTION 4 - NOT IN POSSESSION OF DEVICE

Provide information about devices listed in Section 2 or 6, but no longer in your possession.

Part 1

NRC Device Key:
(from Section 2 or 6)

Transfer Date:
MM DD YYYY

Location of the Device:

- ○ Whereabouts Unknown (complete Part 1 only)
- ○ Never Possessed the Device (complete Part 1 only)
- ○ Returned to Manufacturer (complete Part 1 only)
- ○ Transferred to another general licensee (complete Parts 2 and 3)
- ○ Transferred to a Specific Licensee (Not the manufacturer) (complete Part 2)

Part 2 License Number of Recipient (if transferred to a specific licensee):

Company Name:

Department:

Address Line 1:

Address Line 2:

City:

State: Zip Code: -

Part 3 **Enter the name of the individual responsible for this device:**

Last Name:

First Name:

Middle Initial:

Telephone Number: Extension:

Title:

SECTION 5 - CERTIFICATION

I hereby certify that:

A. All information contained in this registration is true and complete to the best of my knowledge and belief.

B. A physical inventory of the devices subject to registration has been completed, and the device information on this form has been checked against the device labeling.

C. I am aware of the requirements of the general license, provided in 10 CFR 31.5.
(Copies of applicable regulations may be viewed at the NRC website at:
http://www.nrc.gov/reading-rm/doc-collections/cfr)

12/1/15

SIGNATURE - RESPONSIBLE INDIVIDUAL (Listed in Section 1) **DATE**

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

GL-705439-20
11/03/2015

SECTION 6 - DEVICES NOT SUBJECT TO REGISTRATION

NRC Device Key: Manufacturer License No:

Manufacturer Name:

Model Number: Serial #: Transfer Date:

MSD

Cindy Kretzer

From: Buffy Santel
Sent: Wednesday, December 03, 2014 11:37 AM
To: Cindy Kretzer
Subject: NRC Registration
Attachments: SKMBT_C364e14120311570.pdf

Copy for your files. Will go in the mail tomorrow.

BT_OTHER_2014_12_APP_NRC_GL

GL-705439-19
11/03/2014
NRC FORM 664
02 - 2004
10 CFR 31.5

U.S. NUCLEAR REGULATORY COMMISSION

GENERAL LICENSEE REGISTRATION

APPROVED BY OMB: NO. 3150-0198 **EXPIRES: 03/31/2010**

Estimated burden per response to comply with this mandatory collection request: 20 minutes. NRC will use this information to track general licensees and their devices to ensure a higher level of device accountability. 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 to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0000), 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.

Complete all six sections of this registration form. If any of the preprinted information is incorrect, provide the changes in the applicable boxes. USE CAPITAL LETTERS.

General License Registration Number
GL-705439-19

SECTION 1 - GENERAL LICENSEE INFORMATION

Enter the company name and the street address/physical location of use for your device(s). For portable devices, specify the primary storage location. Do not use a P.O. Box address.

Company Name: METRO ST LOUIS SEWER

Department: BISSELL POINT TREATMENT

Address Line 1: 10 EAST GRAND AVENUE

Address Line 2:

City: SAINT LOUIS

State: MO Zip Code: 63147 - 2913 -

For NRC Use Only
(Do not write here)
Category:
Packet Receipt Date (MMDDYYYY):
Accession Number:

SECTION 1 - GENERAL LICENSEE INFORMATION (Continued)

Enter the name, telelphone number and title of the person who is the responsible individual for the device(s).

Last Name: POLITTE

First Name: CATHERINE

Middle Initial: R

Telephone: (314) 436-8749

Extension:

Title: OPERATIONS DIV MANAGER

Enter the mailing address where correspondence regarding your device(s) should be sent. This address should be specific to the use or storage location of your device(s).

Department: BISSELL POINT TREATMENT

Address Line 1: 10 EAST GRAND AVENUE

Address Line 2:

City: SAINT LOUIS

State: MO

Zip Code: 63147 - 2913

GL-705439-19

11/03/2014

SECTION 2 - DEVICES SUBJECT TO REGISTRATION

Our records indicate that you have these devices. Please update the information as necessary.

NRC Device Key **349410** **(Internal Control Number)**

Distributor/Distributed By: TN TECHNOLOGIES, INC.

Distributor License Number: L01105

Manufacturer Name: TN TECHNOLOGIES, INC.

Device Model (Not Source Model): 5203

Device Serial Number: B215

Transfer Date (Receipt Date): 11/15/1987

MM DD YYYY

☐ **Not in possession of device (Also complete Section 4.)**

	Isotope (e.g. AM241)	Activity (e.g. 100)	Unit (e.g. mCi)
1	CS137	2000.000000000	mCi
2			
3			
4			
5			
6			

GL-705439-19

11/03/2014

SECTION 2 - DEVICES SUBJECT TO REGISTRATION

Our records indicate that you have these devices. Please update the information as necessary.

NRC Device Key **663341** **(Internal Control Number)**

Distributor/Distributed By: TN TECHNOLOGIES, INC.

Distributor License Number: L01105

Manufacturer Name: TN TECHNOLOGIES, INC.

Device Model (Not Source Model): 5201

Device Serial Number: B1867

Transfer Date (Receipt Date): 05/15/1992

MM DD YYYY

☐ **Not in possession of device (Also complete Section 4.)**

	Isotope (e.g. AM241)	Activity (e.g. 100)	Unit (e.g. mCi)
1	CS137	100.000000000	mCi
2			
3			
4			
5			
6			

GL-705439-19

11/03/2014

SECTION 2 - DEVICES SUBJECT TO REGISTRATION

Our records indicate that you have these devices. Please update the information as necessary.

NRC Device Key **663342** **(Internal Control Number)**

Distributor/Distributed By: TN TECHNOLOGIES, INC.

Distributor License Number: L01105

Manufacturer Name: TN TECHNOLOGIES, INC.

Device Model (Not Source Model): 5201

Device Serial Number: B1868

Transfer Date (Receipt Date): 05/15/1992

MM DD YYYY

☐ **Not in possession of device (Also complete Section 4.)**

	Isotope (e.g. AM241)	Activity (e.g. 100)	Unit (e.g. mCi)
1	CS137	100.000000000	mCi
2			
3			
4			
5			
6			

GL-705439-19
11/03/2014

SECTION 3 - ADDITIONAL DEVICES SUBJECT TO REGISTRATION

Provide information about other devices you have that are subject to registration. Do not report specifically licensed devices.

Manufacturer Name

Initial Transferor Name

Initial Transferor License Number (if known)

Device Model Number (Not Source Model)

Device Serial Number

How acquired and date (e.g., from a distributor/manufacturer, other licensee, other source)?

- ○ Manufacturer/Initial Transferor listed above
- ○ Other General Licensee
- ○ Other Source

Date Transferred: (Received) MM DD YYYY

	Isotope (e.g. AM241)	Activity (e.g. 100)	Unit (e.g. mCi)
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			

GL-705439-19
11/03/2014

SECTION 4 - NOT IN POSSESSION OF DEVICE

Provide information about devices listed in Section 2 or 6, but no longer in your possession.

Part 1

NRC Device Key:
(from Section 2 or 6)

Transfer Date:
MM DD YYYY

Location of the Device:

- ○ Whereabouts Unknown (complete Part 1 only)
- ○ Never Possessed the Device (complete Part 1 only)
- ○ Returned to Manufacturer (complete Part 1 only)
- ○ Transferred to another general licensee (complete Parts 2 and 3)
- ○ Transferred to a Specific Licensee (Not the manufacturer) (complete Part 2)

Part 2 License Number of Recipient (if transferred to a specific licensee):

Company Name:

Department:

Address Line 1:

Address Line 2:

City:

State: Zip Code: -

Part 3 **Enter the name of the individual responsible for this device:**

Last Name:

First Name:

Middle Initial:

Telephone Number: Extension:

Title:

SECTION 5 - CERTIFICATION

I hereby certify that:

A. All information contained in this registration is true and complete to the best of my knowledge and belief.

B. A physical inventory of the devices subject to registration has been completed, and the device information on this form has been checked against the device labeling.

C. I am aware of the requirements of the general license, provided in 10 CFR 31.5.
(Copies of applicable regulations may be viewed at the NRC website at:
http://www.nrc.gov/reading-rm/doc-collections/cfr)

Catherine R Polizzi 12/03/14

SIGNATURE - RESPONSIBLE INDIVIDUAL (Listed in Section 1) **DATE**

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

GL-705439-19
11/03/2014

SECTION 6 - DEVICES NOT SUBJECT TO REGISTRATION

NRC Device Key: Manufacturer License No:

Manufacturer Name:

Model Number: Serial #: Transfer Date:

Cindy Kretzer

From: Buffy Santel
Sent: Wednesday, December 03, 2014 10:47 AM
To: Cindy Kretzer
Cc: Mike Townley; Nora C. Estopare
Subject: FW: NRC Annual Fee
Attachments: NRC Fee.pdf

Cindy,
Mike has processed the PO for this and the check should go out next week. Do you have the original invoice? If so, please send it to me. As the responsible authority, the paperwork should be kept in the treatment plant files.

From: Catherine Politte
Sent: Wednesday, December 03, 2014 10:41 AM
To: Buffy Santel
Subject: FW: NRC Annual Fee

Cathy Politte
Operations Division Manager
Metropolitan St. Louis Sewer District
Bissell Treatment Plant
10 E. Grand Avenue
St. Louis, MO 63147-2913
Phone: 314-436-8749
Fax: 314-436-8770
Cell: 314-749-6375
Email: cpolitte@stlmsd.com

From: Cindy Kretzer
Sent: Tuesday, December 02, 2014 11:54 AM
To: Mike Townley
Cc: Catherine Politte; Nora C. Estopare
Subject: NRC Annual Fee

Hi Mike,

I left you a voicemail reminder last week about the annual NRC registration fee. The invoice is attached, and the $400 fee is due on Dec. 20th. Do you take care of the payment? Let me know if I can help with anything.

Cindy Kretzer

From: Mike Townley
Sent: Tuesday, December 02, 2014 3:16 PM
To: Cindy Kretzer
Subject: RE: NRC Annual Fee

We will take care of this. We write a Purchase Order and have Accounts Payable write a check against the Purchase Order. We should be able to get a check in a week easily

From: Cindy Kretzer
Sent: Tuesday, December 02, 2014 11:54 AM
To: Mike Townley
Cc: Catherine Politte; Nora C. Estopare
Subject: NRC Annual Fee

Hi Mike,

I left you a voicemail reminder last week about the annual NRC registration fee. The invoice is attached, and the $400 fee is due on Dec. 20th. Do you take care of the payment? Let me know if I can help with anything.

Thank you,

Cindy

Cindy Kretzer
Metropolitan St. Louis Sewer District
Engineering Department - Environmental Compliance
10 East Grand Avenue
St. Louis, MO 63147-2913
(314) 436-8702

U.S.NRC

United States Nuclear Regulatory Commission

Protecting People and the Environment

Fiscal Year: 10/01/2014 - 09/30/2015

Quarter Period: 10/01/2014 - 09/30/2015

Vendor:

METRO ST LOUIS SEWER

10 EAST GRAND AVENUE
SAINT LOUIS, MO 63147

Remit To:

Office of the Chief Financial Officer
U.S. Nuclear Regulatory Commission
P.O. Box 979051
St. Louis, MO 63197

Invoices for Period:

Invoice Number	Date	Due Date	Amount	Docket
LFB 15-1057	Nov 20, 2014	Dec 20, 2014	$400.00	705439

For questions, contact (301) 415-7554 or by email at fees.resource@nrc.gov. For NRC debt collection procedures, including interest and penalty provisions, see 31 U.S.C. 3717,4 CFR 101-105, AND 10 CFR 15. Additional terms and conditions are attached.

Make checks payable to The U.S. Nuclear Regulatory Commission. Interest will accrue from the invoice date at an annual rate of 1%. Interest will be waived if payment is received by the due date. Please reference the invoice number on the remittance.

BT_ ~~ACH~~ OTHER _ 2014_11_ COR _ NRC FEE

Billing Details:

Docket #: **705439** **License #:** **705439**

Flat Application Fees Outstanding:

LFB 15-1057	Dec 20, 2014	3Q		$400.00
			Total	**$400.00**

Total for License/Docket: **$400.00**

Remittance Information:

Remit To: Office of the Chief Financial Officer

U.S. Nuclear Regulatory Commission
P.O. Box 979051
St. Louis, MO 63197

Invoice Number	Due Date	Docket	Amount
LFB 15-1057	Dec 20, 2014	705439	$400.00
		Total Due:	**$400.00**

U.S. NUCLEAR REGULATORY COMMISSION (NRC)

LICENSE, ANNUAL, AND INSPECTION FEE INVOICE -- TERMS AND CONDITIONS

NOTICE: This invoice shows the fee assessed for a licensing action or inspection of your licensed program or the assessment of an annual fee. Fees are assessed in accordance with the pertinent schedules contained in the current 10 CFR Part 170 or 10 CFR Part 171. The revocation or termination of your license does not relieve you of the responsibility for any debt(s). The fee and associated interest, penalties, and administrative cost., if any, constitute a debt to the United States, and the invoice is the demand for payment required under Federal law and implementing regulations.

TERMS: Your payment is due immediately and should be made payable by check, draft, money order, credit card (American Express, Novus/Discover, Visa, or Master Card) or electronic funds transfer (FedWire or ACH) made payable to the U.S. NRC. Payment should be made by electronic funds transfer if the amount owed is $5,000 or greater. Federal agencies may make payment using the Intragovernmental Payment and Collection System (IPAC).

INTEREST: You will be assessed interest at the rate of 1% per year on debts owed to the NRC. The interest rate will remain fixed for the duration of the indebtedness. However, interest will be waived if payment is received within 30 days from the invoice date.

PENALTY: You will be assessed a penalty charge at the rate of 6% per year on any portion of a debt that is delinquent for more than 90 days. This charge will be calculated on or after the 91st day of delinquency, but will accrue from the date the debt became delinquent. A debt is delinquent if it has not been paid by the invoice date.

ADMINISTRATIVE CHARGE: You will be assessed an administrative charge incurred for processing and handling your delinquent debt. This charge is $7 a month and will be assessed each month the debt is delinquent. There will be an additional administrative charge of $260 assessed if an Order Revoking License is issued to you for nonpayment of fees.

USE OF CONSUMER REPORTING AGENCIES AND CONTRACTING FOR COLLECTION SERVICES: All current consumer and commercial debt shall be reported to a credit reporting agency in accordance with 31 CFR Chapter IX, Part 901.5 and 10 CFR 15.26. The NRC may refer delinquent debt to the Department of the Treasury (Treasury) for cross servicing. Treasury may employ a variety of tools to collect your delinquent debt. These tools include administrative offset, tax refund offset, federal and state non-tax payment offset, wage garnishment, referral to a private collection agency and referral to the Department of Justice for litigation/collection. As a debtor, you are liable for all collection fees incurred with the collection of this debt.

10 CFR 170.41 FAILURE BY APPLICANT OR LICENSEE TO PAY PRESCRIBED FEES AND 10 CFR 171.23: If you fail to pay the prescribed fee or file a false certification for small entity status, the NRC will not process any applications for you and will revoke your license for nonpayment of the fee assessed. The filing of a false certification of small entity status could result in civil sanctions being imposed by the NRC under the Program Fraud Civil Remedies Act.

10 CFR 170.51 RIGHT TO REVIEW AND APPEAL OF PRESCRIBED FEES: Your request for review of the fees assessed, and appeal or disagreement with the prescribed fee, must be submitted in writing in accordance with the provisions of 10 CFR 15.31, "Disputed Debts."

CONTACTS: You may call us at 301-415-7554 if you have any questions about the fee assessed or questions about any other information contained on your invoice. Direct all correspondence to:

U.S. NUCLEAR REGULATORY COMMISSION
OFFICE OF THE CHIEF FINANCIAL OFFICER
DIVISION OF THE CONTROLLER
ACCOUNTS RECEIVABLE/PAYABLE BRANCH, MAIL STOP T9E10
WASHINGTON, DC 20555-0001

NRC PROCEDURES FOR EXTENDING PAYMENT DATES OF LICENSE, INSPECTION, AND ANNUAL FEE INVOICES

License, inspection, and annual fees are billed in accordance with the schedules contained in 10 CFR Part 170 and 10 CFR Part 171. Interest on the amount billed accrues from the invoice date, but will be waived if the amount due is paid within 30 days after the invoice date. If an extension of time to pay is granted, interest will be waived if the debt is paid before the expiration of the extended period. The 30-day interest waiver period may be extended, at NRC's discretion, using the following procedures:

1. The NRC must receive your written request for an extension of the 30-day interest waiver period before expiration of the 30-day period. The request should explain why the debt is incorrect in fact or in law (10 CFR 15.31). If the request is not received within the 30-day interest waiver period, it will automatically be denied. Telephone requests for extensions will not be considered. Requests for extensions of the 30-day interest waiver period should be submitted to:

U.S. NUCLEAR REGULATORY COMMISSION
OFFICE OF THE CHIEF FINANCIAL OFFICER
DIVISION OF THE CONTROLLER
ACCOUNTS RECEIVABLE/PAYABLE BRANCH
MAIL STOP T9E10
WASHINGTON, DC 20555-0001

2. Your explanation must have merit for the NRC to extend the 30-day interest waiver period. A request is deemed to have merit if it causes the NRC to question whether the amount originally billed is correct.

(Continued on reverse)

A. If the explanation has merit, the NRC will notify you in writing that the request is granted and that the 30-day interest waiver period will be extended to a certain date. This date will be 30 days after the date the revised invoice is mailed. The amount on the revised invoice will constitute a final determination of the existence or amount of the debt. A final determination by NRC for this purpose need not await the outcome of litigation or further administrative review. Further extensions of the due date will not be granted. If the amount on the revised invoice is not paid within 30 days after the date the revised invoice is mailed, interest from the date of the original invoice will become due and payable.

B. NRC may, at its option, meet with your representatives to receive further evidence or arguments supporting your contentions.

C. Your request for an extension may be granted either for the entire amount originally billed or for a portion of the amount originally billed. If your request for an extension applies to only a portion of the originally billed amount, the remaining amount is due and payable and if it is not paid by the due date, interest from the date of the original invoice will be assessed.

D. If your explanation does not have merit and does not cause the NRC to question whether the amount originally billed is correct, your

request will be denied. Failure of NRC to notify you before the end of the 30-day interest waiver period that a request for an extension has been denied will not constitute grounds for a waiver of interest.

E. The assertion that the invoice is unsupported by a sufficiently detailed breakdown of dates, hours, and other data does not constitute an explanation of why the amount billed is incorrect in fact or in law. If you view the information furnished with the invoice as insufficient for the purpose of a request for an extension, you should seek the necessary information as soon as possible in order that a request for extension can be submitted within the 30-day interest waiver period.

3. If an extension of the 30-day interest waiver period is granted and the amount originally billed remains unchanged, such extension will be stated on the revised invoice as provided in 2A above.

4. NRC records in support of billed fees are not subject to audit by non-Governmental entities. However, copies of records desired by you can be made available to you if they are reproduced at your expense. For any charges which may be assessed, refer to 10 CFR Part 9.

5. NRC will refund to you any amount which is later determined to be an overpayment, including interest, if any, which was paid by you on such amount. NRC is not authorized to pay interest on any part of a license, inspection, or annual fee which was paid to NRC and is later refunded.

PROCEDURES FOR ELECTRONIC FUNDS TRANSFER

The NRC can receive funds through the U.S. Department of the Treasury (Treasury) Fedwire Deposit System. The basic wire message format below complies with the Federal Reserve Board's standard structured third-party format for all electronic funds transfer (EFT) messages.

```
|_____
          (1)
|021030004 |  (2)  |
|   (3)   |  (4)  |  (5)  |
|   (6)   /                          |
          (7) (8)
|TREAS NYC/CTR /                     |
                (9)
|BNF=/AC-31000001 OBI=               |
|                (10)                |
|                                    |
```

A sample of an EFT message to Treasury and a narrative description of each field follow:

Field **Content**

(1) RECEIVER-DFI# - Treasury's ABA number for deposit messages is 021030004

(2) TYPE-SUBTYPE-CD - The type and subtype code will be provided by the sending bank.

(3) SENDER-DFI# - This number will be provided by the sending bank.

(4) SENDER-REF# - The 16-character reference number is inserted by the sending bank at its discretion.

(5) AMOUNT - The transfer amount must be punctuated with commas and decimal point; use of the "$" is optional. This item will be provided by the depositor

(6) SENDER-DFI-NAME - This information is automatically inserted by the Federal Reserve Bank.

(7) RECEIVER-DFI-NAME - Treasury's name for deposit messages is "TREAS NYC." This name should be entered by the sending bank.

Field **Content**

(8) PRODUCT CODE - A product code of "CTR" for customer transfer should be the first data in the RECEIVER-TEXT field. Other values may be entered, if appropriate, using the ABA's options. A slash must be entered after the product code.

(9) AGENCY LOCATION CODE (ALC) - THIS ITEM IS OF CRITICAL IMPORTANCE. IT MUST APPEAR ON THE FUNDS TRANSFER DEPOSIT MESSAGE IN THE PRECISE MANNER AS STATED TO ALLOW FOR THE AUTOMATED PROCESSING AND CLASSIFICATION OF THE FUNDS TRANSFER MESSAGE TO THE AGENCY LOCATION CODE OF THE APPROPRIATE AGENCY. The ALC identification sequence can, if necessary, begin on one line and end on the next line; however, the field tag "BNF=" must be on one line and cannot contain any spaces. NRC's 8-digit ALC is

BNF=/AC-31000001

(10) THIRD-PARTY INFORMATION - The Originator to Beneficiary Information field tag "OBI=" is used to signify the beginning of the free-form third-party text. All other identifying information to enable the NRC to identify the deposit, for example, NRC annual fee invoice number, description of fee - 10 CFR 171 annual fee, and licensee name, should be placed in this field.

The optimum format for fields 7, 8, 9, and 10 using an 8-digit ALC is as follows:

TREAS NYC/CTR/BNF=/AC-31000001 OBI=

The optimum format, shown above, will allow 219 character positions of information following the "OBI=" indicator.

If the licensee's bank is not a member of the Federal Reserve System, the non-member bank must transfer the necessary information and funds to a member bank, which then must transfer the information and funds to the local Federal Reserve Bank.

For transfer of funds from local Federal Reserve Banks to be recorded on the same day, the transfer must be received at the New York Federal Reserve Bank by 4 p.m., EST. Otherwise, the deposit will be recorded on the next workday.

If there are any questions, contact:

ACCOUNTS RECEIVABLE/PAYABLE BRANCH
U.S. NUCLEAR REGULATORY COMMISSION
TELEPHONE: 301-415-7554

NRC FORM 629
(07-2014)

U.S. NUCLEAR REGULATORY COMMISSION

AUTHORIZATION FOR PAYMENT BY CREDIT CARD

APPROVED BY OMB: NO. 3150-0190 EXPIRES: 07/31/2017

Estimated burden per response to comply with this voluntary collection request: 5 minutes. Requested information will allow respondents to transfer funds electronically. Send comments regarding burden estimate to the FOIA, Privacy, and Information Collections Branch (T-5 F53), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to Infocollects.Resource@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0190), 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.

The NRC is currently accepting credit card payment of fees and other debts. The maximum amount accepted on a credit card per invoice is $49,999.99. Splitting of a payment on multiple credit cards is not allowed. If you wish to pay by credit card, complete the authorization below. If you have any questions, contact NRC's collection service provider, Deva and Associates at (301) 415-3878.

NAME OF CARDHOLDER		ACCOUNT NUMBER	CARD EXPIRATION DATE
ADDRESS		CARDS ACCEPTED (Check card you are using) VISA MASTERCARD NOVUS (DISCOVER) AMERICAN EXPRESS	
TELEPHONE	LICENSE NUMBER	SECURITY CODE - 3 DIGITS	
INVOICE NUMBER OR DESCRIPTION	TOTAL AMOUNT OF TRANSACTION	SIGNATURE OF CARDHOLDER	

If you are paying an application or registration fee (including new licenses, amendments, etc.), mail the completed form with your application to the appropriate regional office. For all other payments, send completed form to:

U.S. Bank
U.S. Nuclear Regulatory Commission
Accounts Receivable Team
P. O. Box 979051
St. Louis, MO 63197-9000

PRIVACY ACT STATEMENT
NRC FORM 629
AUTHORIZATION FOR PAYMENT BY CREDIT CARD

Pursuant to 5 U.S.C. 552a(e)(3), enacted into law by Section 3 of the Privacy Act of 1974 (Public Law 93-579), the following statement is furnished to individuals who supply information to the U.S. Nuclear Regulatory Commission (NRC) on NRC Form 629. This information is maintained as part of a system of records designated as NRC-32 and described at 77 *Federal Register* 67225 (November 8, 2012), or the most recent *Federal Register* publication of the NRC's "Republication of Systems of Records Notices" that is available in the NRC's Agencywide Documents Access and Management System.

1. **AUTHORITY:** 5 U.S.C. 552a; 5 U.S.C. 5514; 15 U.S.C. 1681; 26 U.S.C. 6103; 31 U.S.C. Chapter 37; 31 U.S.C. 6501-6508; 42 U.S.C. 2201; 42 U.S.C. 5841; 31 CFR 900-904; 10 CFR Parts 15, 16, 170, 171; Executive Order (E.O.) 9397, as amended by E.O. 13478; and E.O. 12731.

2. **PRINCIPAL PURPOSE(S):** To collect credit card account information and provide authorization for its use to collect a payment or debt.

3. **ROUTINE USE(S):** Information contained in this system may be disclosed to debt collection contractors or to other Federal agencies for the purpose of collecting and reporting on delinquent debts and to banks enrolled in the Automated Clearinghouse (ACH) Network to collect a payment or debt when the individual has given his or her authorization for this purpose. Information may be disclosed in accordance with any of the Routine Uses listed in the Prefatory Statement of General Routine Uses, including to an appropriate Federal, State, local or Foreign agency in the event the information indicates a violation or potential violation of law; in the course of an administrative or judicial proceeding; to an appropriate Federal, State, local and Foreign agency to the extent relevant and necessary for an NRC decision about you or to the extent relevant and necessary for that agency's decision about you; in the course of discovery under a protective order issued by a court of competent jurisdiction and in presenting evidence; to a Congressional office to respond to their inquiry made at your request; to NRC-paid experts, consultants, and others under contract with the NRC, on a need-to-know basis; and to appropriate persons and entities for purposes of response and remedial efforts in the event of a suspected or confirmed breach of data from this system of records.

4. **WHETHER DISCLOSURE IS MANDATORY OR VOLUNTARY AND EFFECT ON INDIVIDUAL OF NOT PROVIDING INFORMATION:** Providing this information is voluntary. However, not providing the requested information will not provide the NRC the information and authorization required to use your credit card to collect a payment or debt.

5. **SYSTEM MANAGER(S) AND ADDRESS:** Controller, Division of the Controller, Office of the Chief Financial Officer, U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001.

MSD

GL-705439-17
11/28/2012
NRC FORM 664
02 - 2004
10 CFR 31.5

U.S. NUCLEAR REGULATORY COMMISSION

GENERAL LICENSEE REGISTRATION

APPROVED BY OMB: NO. 3150-0198 **EXPIRES: 03/31/2010**

Estimated burden per response to comply with this mandatory collection request: 20 minutes. NRC will use this information to track general licensees and their devices to ensure a higher level of device accountability. 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 to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0000). 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.

Complete all six sections of this registration form. If any of the preprinted information is incorrect, provide the changes in the applicable boxes. USE CAPITAL LETTERS.

General License Registration Number GL-705439-17

SECTION 1 - GENERAL LICENSEE INFORMATION

Enter the company name and the street address/physi portable devices, specify the primary storage location.

Illinois ELECTRIC WORKS

Buffy –
MAILED 12/18
MTowsley

Company Name: METRO ST LOUIS SEWER

Department: BISSELL POINT TREATMENT

Address Line 1: 10 EAST GRAND AVENUE

Address Line 2:

City: SAINT LOUIS

800-466-6901
www.illinoiselectric.com

State: MO Zip Code: 63147 - 2913 -

For NRC Use Only
(Do not write here)
Category:
Packet Receipt Date (MMDDYYYY):
Accession Number:

BT-OTHER-2012-12-APP NRC GL

SECTION 1 - GENERAL LICENSEE INFORMATION (Continued)

Enter the name, telelphone number and title of the person who is the responsible individual for the device(s).

Last Name: BERTHOLD

POLITTE

First Name: BRET

CATHERINE

Middle Initial: A

R

Telephone: (314) 436-8749

Extension:

Title: OPERATIONS DIV MANAGER

Enter the mailing address where correspondence regarding your device(s) should be sent.
This address should be specific to the use or storage location of your device(s).

Department: BISSELL POINT TREATMENT

Address Line 1: 10 EAST GRAND AVENUE

Address Line 2:

City: SAINT LOUIS

State: MO

Zip Code: 63147 - 2913

GL-705439-17

11/28/2012

SECTION 2 - DEVICES SUBJECT TO REGISTRATION

Our records indicate that you have these devices. Please update the information as necessary.

NRC Device Key **349410** **(Internal Control Number)**

Distributor/Distributed By: TN TECHNOLOGIES, INC.

Distributor License Number: L01105

Manufacturer Name: TN TECHNOLOGIES, INC.

Device Model (Not Source Model): 5203

Device Serial Number: B215

Transfer Date (Receipt Date): 11/15/1987

MM DD YYYY

☐ **Not in possession of device (Also complete Section 4.)**

	Isotope (e.g. AM241)	Activity (e.g. 100)	Unit (e.g. mCi)
1	CS137	2000.000000000	mCi
2			
3			
4			
5			
6			

GL-705439-17

11/28/2012

SECTION 2 - DEVICES SUBJECT TO REGISTRATION

Our records indicate that you have these devices. Please update the information as necessary.

NRC Device Key **663341** **(Internal Control Number)**

Distributor/Distributed By: TN TECHNOLOGIES, INC.

Distributor License Number: L01105

Manufacturer Name: TN TECHNOLOGIES, INC.

Device Model (Not Source Model): 5201

Device Serial Number: B1867

Transfer Date (Receipt Date): 05/15/1992

MM DD YYYY

☐ **Not in possession of device (Also complete Section 4.)**

	Isotope (e.g. AM241)	Activity (e.g. 100)	Unit (e.g. mCi)
1	CS137	100.000000000	mCi
2			
3			
4			
5			
6			

GL-705439-17

11/28/2012

SECTION 2 - DEVICES SUBJECT TO REGISTRATION

Our records indicate that you have these devices. Please update the information as necessary.

NRC Device Key **663342** **(Internal Control Number)**

Distributor/Distributed By: TN TECHNOLOGIES, INC.

Distributor License Number: L01105

Manufacturer Name: TN TECHNOLOGIES, INC.

Device Model (Not Source Model): 5201

Device Serial Number: B1868

Transfer Date (Receipt Date): 05/15/1992

MM DD YYYY

☐ **Not in possession of device (Also complete Section 4.)**

	Isotope (e.g. AM241)	Activity (e.g. 100)	Unit (e.g. mCi)
1	CS137	100.000000000	mCi
2			
3			
4			
5			
6			

GL-705439-17
11/28/2012

SECTION 3 - ADDITIONAL DEVICES SUBJECT TO REGISTRATION

Provide information about other devices you have that are subject to registration. Do not report specifically licensed devices.

Manufacturer Name

Initial Transferor Name

Initial Transferor License Number (if known)

Device Model Number (Not Source Model)

Device Serial Number

How acquired and date (e.g., from a distributor/manufacturer, other licensee, other source)?

- ○ Manufacturer/Initial Transferor listed above
- ○ Other General Licensee
- ○ Other Source

Date Transferred: (Received) MM DD YYYY

	Isotope (e.g. AM241)	Activity (e.g. 100)	Unit (e.g. mCi)
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			

GL-705439-17
11/28/2012

SECTION 4 - NOT IN POSSESSION OF DEVICE

Provide information about devices listed in Section 2 or 6, but no longer in your possession.

Part 1

NRC Device Key:
(from Section 2 or 6)

Transfer Date:
MM DD YYYY

Location of the Device:

- ○ Whereabouts Unknown (complete Part 1 only)
- ○ Never Possessed the Device (complete Part 1 only)
- ○ Returned to Manufacturer (complete Part 1 only)
- ○ Transferred to another general licensee (complete Parts 2 and 3)
- ○ Transferred to a Specific Licensee (Not the manufacturer) (complete Part 2)

Part 2 License Number of Recipient (if transferred to a specific licensee):

Company Name:

Department:

Address Line 1:

Address Line 2:

City:

State: Zip Code: -

Part 3 **Enter the name of the individual responsible for this device:**

Last Name:

First Name:

Middle Initial:

Telephone Number: Extension:

Title:

SECTION 5 - CERTIFICATION

I hereby certify that:

A. All information contained in this registration is true and complete to the best of my knowledge and belief.

B. A physical inventory of the devices subject to registration has been completed, and the device information on this form has been checked against the device labeling.

C. I am aware of the requirements of the general license, provided in 10 CFR 31.5. (Copies of applicable regulations may be viewed at the NRC website at: http://www.nrc.gov/reading-rm/doc-collections/cfr)

Catherine R Politte 12-17-12

SIGNATURE - RESPONSIBLE INDIVIDUAL (Listed in Section 1) **DATE**

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

SECTION 6 - DEVICES NOT SUBJECT TO REGISTRATION

NRC Device Key: 706910 Manufacturer License No: 07-28762-02G

Manufacturer Name: AGILENT TECHNOLOGIES, INC.

Model Number: G153369576 Serial #: YA646 Transfer Date: 12/15/2003

Isotope: NI63 Activity: 15.000000000 Unit: mCi

NRC Device Key: 813520 Manufacturer License No: 07-28762-02G

Manufacturer Name: AGILENT TECHNOLOGIES, INC.

Model Number: G239765505 Serial #: U18532 Transfer Date: 1/19/2011 0

Isotope: NI63 Activity: 15.000000000 Unit: mCi

MSD

U.S.NRC

United States Nuclear Regulatory Commission

Protecting People and the Environment

Fiscal Year: 10/01/2014 - 09/30/2015

Quarter Period: 10/01/2014 - 09/30/2015

Vendor:

METRO ST LOUIS SEWER

10 EAST GRAND AVENUE
SAINT LOUIS, MO 63147

Remit To:

Office of the Chief Financial Officer
U.S. Nuclear Regulatory Commission
P.O. Box 979051
St. Louis, MO 63197

Invoices for Period:

Invoice Number	Date	Due Date	Amount	Docket
LFB 15-1057	Nov 20, 2014	Dec 20, 2014	$400.00	705439

For questions, contact (301) 415-7554 or by email at fees.resource@nrc.gov. For NRC debt collection procedures, including interest and penalty provisions, see 31 U.S.C. 3717,4 CFR 101-105, AND 10 CFR 15. Additional terms and conditions are attached.

Make checks payable to The U.S. Nuclear Regulatory Commission. Interest will accrue from the invoice date at an annual rate of 1%. Interest will be waived if payment is received by the due date. Please reference the invoice number on the remittance.

BT_OTHER_2014_12_COR_NRC FEE

MSD

Billing Details:

Docket #: **705439** **License #:** **705439**

Flat Application Fees Outstanding:

LFB 15-1057	Dec 20, 2014	3Q		$400.00
			Total	**$400.00**

Total for License/Docket: **$400.00**

MSD

Remittance Information:

Remit To: Office of the Chief Financial Officer

U.S. Nuclear Regulatory Commission
P.O. Box 979051
St. Louis, MO 63197

Invoice Number	Due Date	Docket	Amount
LFB 15-1057	Dec 20, 2014	705439	$400.00
		Total Due:	**$400.00**

UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

February 13, 2013

METRO ST LOUIS SEWER
ATTN: CATHERINE . BERTHOLD
BISSELL POINT TREATMENT
10 EAST GRAND AVENUE
SAINT LOUIS, MO 63147-2913

SUBJECT: ACKNOWLEDGMENT LETTER (REFERENCE NO.: GLTS-A-705439)

This letter is to confirm that we have received your response to the registration package for GL-705439-17.

We have completed processing your application request related to the annual registration of certain general licensed devices and have registered your devices. Please note that no further action is required from you at this time. But if you transfer any general licensed device, change address and/or ownership you must notify the NRC in writing within 30 days of any transfer of general licensed device transfer, change in address and/or ownership.

You may wish to refer to the Code of Federal Regulations (CFR), 10 CFR 31.5 or 31.7 as applicable, to find out if there are additional regulatory requirements that you must meet as a General Licensee. If you have any questions regarding your submittal or your responsibilities as a General Licensee please call (301) 415-7894 or visit *www.nrc.gov/materials/medical.html.*

You may submit your device transfer and change notifications to:

Attention: GLTS Project Manager
US Nuclear Regulatory Commission
Office of Federal and State Materials
and Environmental Management Programs
Division of Materials Safety and State Agreements
Washington, DC 20555-001

BT_OTHER_2013_02_PMT_NRC GL

Metropolitan St. Louis Sewer District
Division of Environmental Compliance
10 East Grand Avenue
St. Louis, MO 63147-2913
Phone: 314.768.6200 www.stlmsd.com

MSD

March 8, 2013

Attn: GLTS Project Manager
US NUCLEAR REGULATORY COMMISSION
Office of Federal and State Materials
and Environmental Management Programs
Division of Materials Safety and State Agreements
Washington, DC 20555-001

RE: Device Transfer Notification for GL-705439-17

Dear GLTS Project Manager:

This letter is to notify you of transfer of two Electron Capture Detectors (Serial # YA646 and U18532) from our on-site laboratory to Agilent Technologies. These devices were transferred in July 2012. We realize this notification comes beyond the 30 day requirement for notification of transfers and extend our apologies for that. Enclosed you will find documentation from Agilent Technologies acknowledging their receipt of the two devices.

If you have any questions, you may contact me at 314-436-8759.

Sincerely,

Buffy Santel

Buffy Santel, P.E.
Civil Engineer – Environmental Compliance

Enclosure

cc: Catherine Politte
Mike Townley

BT_OTHER_2013_03_COR_NRC GL

Agilent Technologies

2850 Centerville Road
Wilmington, DE 19808

MSD Environmental Compliance
ATTN: Angie Midkiff
10 East Grand Avenue
St. Louis MO 63147

7/25/12

Reference: **Receipt of Radioactive Devices**

To Whom It May Concern:

This letter is to notify you that the Electron Capture Detectors listed below have been returned to, and are in possession of, Agilent Technologies Inc., 2850 Centerville Road, Wilmington, DE 19808, USA for further disposition.

Serial Number	Model Number	Date Received
YA646	G1533-69576	7/23/12
U18532	G2397-69900	7/23/12

Please understand that this letter does not relieve you of your responsibility to notify either your state nuclear regulatory agency (if you reside in an Agreement State) or the Nuclear Regulatory Commission (if you do not) of the transfer in accordance with 10 CFR 31.5 (c) (8) (i) and (ii). If you are notifying the NRC of the transfer of the device, please note the following complete mailing address:

Director of Nuclear Material Safety and Safeguards
ATTN: GLTS
U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001

Please contact your local Agilent Technologies, Inc. service representative if you have any questions.

Regards,

David S. Bennett
Radiation Safety Office, U.S. Operations

Document Owner: David S. Bennett
Revision Date: 4/8/08

UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

#300

* * * IMPORTANT NOTICE * * *

Please read this notice carefully. It may substantially impact the fees you are assessed by the NRC. Please submit any comments on the proposed fee rule changes within the 30-day comment period.

TO: ALL 10 CFR PARTS 30, 40, 50, 52, 61, 70, 71, 72, 73, 76 AND 110 LICENSEES, APPLICANTS, REACTOR VENDORS, AND OWNERS GROUPS

SUBJECT: PROPOSED REVISIONS TO 10 CFR PARTS 170 AND 171 ON LICENSE, INSPECTION, AND ANNUAL FEES FOR FISCAL YEAR 2013

Shortly after the date of this letter, the U.S. Nuclear Regulatory Commission (NRC) will publish a Notice of Proposed Rulemaking in the *Federal Register* for public comment. The instructions for accessing the notice on the Internet are provided at the end of this notice.

The notice proposes revisions to the fee requirements of Title 10 of the *Code of Federal Regulations* (10 CFR) part 170, "Fees for Facilities, Materials, Import and Export Licenses," and 10 CFR part 171, "Annual Fees for Reactor Licenses and Fuel Cycle Licenses and Materials Licenses." The proposed revisions would implement the Omnibus Budget Reconciliation Act of 1990, as amended, which mandates that the NRC recover approximately 90 percent of its budget authority (not including amounts appropriated for Waste Incidental to Reprocessing and generic homeland security activities) in Fiscal Year (FY) 2013.

In the absence of a final appropriation for FY 2013, the NRC's FY 2013 proposed fee rule is based on the FY 2013 budget submitted to the Congress to ensure that the required fees are collected by September 30, 2013. The required fee recovery amount for the NRC's FY 2013 budget is approximately $924.8 million. After accounting for billing adjustments, the total amount to be billed as fees is approximately $925 million. The NRC estimates that approximately $363.3 million will be billed for services assessed under 10 CFR Part 170, and $561.7 million will be billed under 10 CFR Part 171 as annual fees.

The most significant proposed changes to 10 CFR part 170 are:

1. **Hourly Rate**. The NRC will establish a professional hourly rate of $277 to recover the cost of activities. The FY 2013 hourly rate is higher than the FY 2012 rate of $274, primarily due to higher agency budgetary resources partially offset by a small increase in the number of direct full-time equivalents (FTEs). In FY 2013, the NRC is proposing to use 1,371 hours per direct full-time equivalent (FTE), the same amount as for FY 2012, to calculate the hourly fees. The NRC's estimate of direct hours per FTE is based on hours charged to mission direct activities. It excludes from the total available hours per FTE (2,080) time for paid leave (Federal holidays, annual leave, and sick leave) and time spent on training and administrative activities that do not directly support the NRC's programmatic mission (referred to as indirect hours). Because the intended purpose of the NRC's hourly rates is to estimate a cost per hour of mission direct time, it is appropriate to exclude indirect time from its estimate of hours per FTE.

The NRC's new hourly rate is justified because it more accurately reflects the full cost of providing services under 10 CFR Part 170. The Office of Management and Budget (OMB) emphasizes that agency fees should reflect the full cost of providing services to identifiable beneficiaries, as stated in OMB Circular A-25, "User Charges."

2. **10 CFR Part 170 Flat Fees**. The NRC would revise the flat license application fees in 10 CFR 170.21 and 170.31 to reflect the new higher hourly rate.

The most significant proposals under 10 CFR Part 171 are:

1. **Revised Annual Fees**. The NRC would revise its annual fees in 10 CFR parts 171.15 and 171.16 using the rebaselined fee calculation method. This would result in increased annual fees for most licensees compared to FY 2012. The FY 2013 proposed rebaselined annual fees for spent fuel storage facilities, research and test reactors, fuel facilities, most material users' and uranium recovery facilities would increase while those for operating reactors and the U.S. Department of Energy (DOE) would decrease. Factors for fee increases include changes in the allocation of budgeted costs and estimated hourly fee collections for the different classes of licensees.

2. **Application of Fee Relief**. The NRC applies the 10 percent of its appropriation that is excluded from fee recovery (fee relief) to offset the total budget allocated for activities that do not directly benefit current NRC licensees. In FY 2013, the proposed total budgeted resources for these fee-relief activities are $17.1 million less than the NRC's 10 percent fee relief. The NRC would distribute the $17.1 million surplus by decreasing all licensees' annual fees based on their percent of the budget.

3. **Small Entity Fees Change**. Based on previous methodology of computing small entity fees, the NRC is proposing to change the annual fees to $2,800 and $600 (stratified based on average gross receipts) for licensees that qualify as small entities. The small entity fees are reviewed as part of the NRC's biennial review of fees. The next biennial review will be conducted for the FY 2015 fee rule. Licensees can determine if they meet the criteria for small entities by accessing "U.S. Nuclear Regulatory Commission Small Entity Compliance Guide, FY 2013," available in the NRC's Agencywide Documents Access and Management System (ADAMS) (ADAMS Accession No. 13046A282), the NRC Library at *http://www.nrc.gov/reading-rm/adams.html*, or the NRC Public Document Room (PDR) located at One White Flint North, Room O-1F22, 11555 Rockville Pike, Rockville, Maryland 20852.

4. **Small Entity Eligibility**. The 10 CFR part 72 licenses are eligible to apply for small entity status in FY 2013. The inclusion of these licensees remedies the unintended consequence of the consolidation of 10 CFR part 72 licenses under 10 CFR Part 171.15 being excluded from treatment as a small entity business for fee purposes.

5. **NRC's Small Business Lower Receipts-Based Threshold Change.** The NRC proposes to increase the lower-tier receipts-based threshold of $450,000 to $485,000 to reflect approximately the same percentage adjustment as NRC's upper tier receipts-based standard adjustment from $6.5 to $7 million which was published as a final rule in the *Federal Register* (77 FR 53769; September 4, 2012).

The comment period for the proposed rule expires 30 days after the publication date in the *Federal Register*. Please include Docket ID NRC-2012-0211 in the subject line of your

comments. Comments submitted in writing or in electronic form will be made publicly available. Because your comments will not be edited to remove any identifying or contact information, the NRC cautions you against including any information in your submission that you do not want to be publicly disclosed. You may submit comments by one of the following methods:

Federal rulemaking Web site: Go to http://www.regulations.gov and search for documents filed under Docket ID **NRC-2012-0211**. Address questions about NRC dockets to Carol Gallagher; telephone: 301-492-3668; e-mail Carol.Gallagher@nrc.gov.

Mail comments to: Secretary, U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, ATTN: Rulemakings and Adjudications Staff.

E-mail comments to: Rulemaking.Comments@nrc.gov. If you do not receive a reply e-mail confirming that we have received your comments, contact us directly at 301-415-1677.

Hand deliver comments to: 11555 Rockville Pike, Rockville, Maryland 20852, between 7:30 am and 4:15 pm Federal workdays. (Telephone 301-415-1677)

Fax comments to: Secretary, U.S. Nuclear Regulatory Commission at 301-415-1101.

Also, please note that the NRC does not routinely mail the proposed or the final rule to licensees. However, the NRC will send a copy of the proposed or final rule to any licensee or other person upon specific request. To request a copy, contact the Division of Planning and Budget, Budget Operations Branch II, Office of the Chief Financial Officer, on 301-415-1481. In addition to publication in the *Federal Register*, the rule will be available online in the NRC's Library at http://www.nrc.gov/reading-rm/adams.html. From this page, the public can gain entry into ADAMS, which provides text and image files of the NRC's public documents. If you do not have access to ADAMS or if there are problems in accessing the documents located in ADAMS, contact the NRC's PDR reference staff at 1-800-397-4209, 301-415-4737, or by e-mail to pdr.resource@nrc.gov.

Sincerely,

Jennifer Golder

Jennifer Golder, Budget Director
Division of Planning and Budget
Office of the Chief Financial Officer

UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, DC 20555-0001

OFFICIAL BUSINESS

UNITED STATES POSTAGE
PITNEY BOWES
02 1M $ 00.46⁰
0004230860 MAR 11 2013
MAILED FROM ZIP CODE 20852

Buffy S.

METRO ST LOUIS SEWER
10 EAST GRAND AVENUE
SAINT LOUIS, MO 63147

RECEIVED
MAR 14 2013
DIVISION OF
ENVIRONMENTAL COMPLIANCE

63147$2913 C006

MSD 001331

Agilent Technologies
Innovating the HP Way

ENVIRONMENTAL HEALTH AND SAFETY FORM

PLEASE FILL OUT ALL INFORMATION AND RETURN FORM WITH YOUR SHIPMENT. Please fold and insert this form into the shipping label holder in a HIGHLY VISIBLE LOCATION ON THE EXTERIOR OF EACH CONTAINER. **PRODUCTS WILL NOT BE ACCEPTED WITHOUT FORM.***

RETURN ECD'S TO:

Agilent Technologies
Attn: ECD LAB
2850 Centerville Road
Wilmington, DE 19808

ECD Product # G1533A **Serial #** YA646 **ECD Product #** G2397A **Serial #** U18532

Date: 7/10/12
Returns Authorization Number: 1-4333166086
Sales Order Number:
Name: Angie Midkiff
Company: MSD - Environmental Compliance
Address: 10 East Grand Ave.
City/State: St. Louis, MO
Country/Postal Code: 63147
Phone: 314-436-8704
Fax: 314-436-8753

A. Please state reason for the return:

- ☐ Shipment Error:
- ☐ OP Error:
- ☐ Defective:
- ☐ Duplicate Order:
- ☐ Customer Error:
- ☐ Warranty Replacement:
- ☐ Damaged:
  By: ☐Carrier ☐Forwarder ☐Customer ☐Other
- ☑ Other: Not needed anymore

B. To protect our employees from exposure to various hazards, you MUST answer the following to the best of your ability.

1. Check if unit has unit been: ☑Powered up? ☑Injection made?
2. Is there any possibility of internal or external contamination on this equipment from any of the following?

☐YES ☑NO Blood, body fluids (e.g. urine, secretions), pathological specimens
☐YES ☑NO Infectious substances or other bioagents (e.g. proteins, enzymes, antibodies).
☐YES ☑NO Regulated medical wastes
1.) ☑YES ☐NO Radioactive isotopes are used in the area. Detail type (ECD, isotopic labels, etc.) and activity in microcuries:
2.) ☑YES ☐NO Chemicals or substances that are hazardous to health
☐YES ☑NO Biodegradable material that could become hazardous
☐YES ☐NO Other hazards:

3. If you circles YES to any of the above:

a. Specifically describe where (on or in) the instrument/part there might be any residual contamination (for example, blood spill on the top surface) (1) These are an ECDs. (2) Pesticides & PCB residue possible

b. Provide details of these hazards. Include names, material safety data sheets (MSDS) and contaminants, where possible.

c. Describe your method of decontamination, if performed. Attach procedure Wiped outside of detectors

I declare that the information is true and complete to the best of my knowledge and belief.**
Authorized Signature: Angie Midkiff Date: 7/10/12

*If additional decontamination is required, you may be responsible for costs incurred to make the product safe for servicing; Shipment of equipment may fall under other transportation regulations; All applicable regulations must be followed when returning equipment.
**Agilent reserves the right to reject all returns, upon inspection.

***** RA valid for 30days.**
Sales Administrator:

The individual responsible for shipping the package must be qualified to ship dangerous goods in accordance with their domestic and/or international regulations. This service may or may not be provided by the shipping service.

9. Ship ECDs to the address above. We recommend that all ECDs be shipped via a shipper with tracking capability (e.g. Federal Express). ***DO NOT SHIP ECDs via regular, non-traceable mail.***

10. Contact the Little Falls (RSO) at 302-636-8262 (U.S.) or the Agilent Technologies, Inc. shipping destination (all other countries) prior to shipment if you are returning an ECD with a wipe test of 0.005 or more microcuries.

Regulatory Agency Notification:

- **U.S.** owners of General License devices: Please be aware that you are required to notify the NRC or your applicable Agreement State agency of the transfer of your ECD. Your responsibilities are covered under 10 CFR 31.5 (c) (8) (i) and (ii) or equivalent Agreement State regulations. Please contact your regulatory agency or the Little Falls RSO at the number above if you have any questions.

  You may need to reference Agilent's Little Falls materials license **(NRC license 07-28762-01)** for reporting purposes.

- **U.S.** owners of Specific License devices: Follow the directions of your licensing authority.

- **All Other Countries:** Notify the issuing regulatory agency of your action for record keeping purposes.

References:

- U.S. Regulation 10 CFR 31.5

- Information for General Licensee's manual (P/N 5961-5664)

- Technical resource numbers:

  - **U.S. or Canada:** 1-800-227-9770

  - **All Other Countries:** Contact your local Agilent Technologies, Inc. field office for resource information or access the Contact Us option at www.agilent.com

UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

MSD

February 06, 2012

METRO ST LOUIS SEWER
ATTN: BRET BERTHOLD
BISSELL POINT TREATMENT
10 EAST GRAND AVENUE
SAINT LOUIS, MO 63147-2913

SUBJECT: ACKNOWLEDGMENT LETTER (REFERENCE NO.: GLTS-A-705439)

This letter is to confirm that we have received your response to the registration package for GL-705439-16.

We have completed processing your application request related to the annual registration of certain general licensed devices and have registered your devices. Please note that no further action is required from you at this time. But if you transfer any general licensed device, change address and/or ownership you must notify the NRC in writing within 30 days of any transfer of general licensed device transfer, change in address and/or ownership.

You may wish to refer to the Code of Federal Regulations (CFR), 10 CFR 31.5 or 31.7 as applicable, to find out if there are additional regulatory requirements that you must meet as a General Licensee. If you have any questions regarding your submittal or your responsibilities as a General Licensee please call (301) 415-7894 or visit *www.nrc.gov/materials/medical.html.*

You may submit your device transfer and change notifications to:

Attention: GLTS Project Manager
US Nuclear Regulatory Commission
Office of Federal and State Materials
and Environmental Management Programs
Division of Materials Safety and State Agreements
Washington, DC 20555-001

BT_OTHER_2012_02_PMT_NRC GL

Metropolitan
St. Louis Sewer
District

Bissell Point Treatment Plant
10 East Grand Avenue
St. Louis, MO 63147-2913

MSD

December 12, 2011

ATTN: Document Control Desk/GLTS
Director, Office of Federal and State Materials and Environmental Management Programs
U.S. Nuclear Regulatory Commission
11545 Rockville Pike
Rockville, MD 20852-2738

RE: Registration Number GL-705439-16

Dear Sirs:

Attached is the annual registration for Registration Number GL-705439-16 for the year 2011. It reflects one change to a device listed in Section 6, Devices Not Subject To Registration. During the year, we transferred NRC Device Key 772108, Model Number G1533-69576, Serial Number K2751, to Agilent Technologies. We have attached a letter from Agilent Technologies showing that they received the transferred device.

If you have any questions, please call Michael Townley at (314) 436-8733.

Yours truly,

Bret Berthold

Bret Berthold
Assistant Director of Operations
Metropolitan St. Louis Sewer District

BT_OTHER_2011_12 ADD NRC G1

GL-705439-16
11/14/2011
NRC FORM 664
02 - 2004
10 CFR 31.5

U.S. NUCLEAR REGULATORY COMMISSION

GENERAL LICENSEE REGISTRATION

APPROVED BY OMB: NO. 3150-0198 **EXPIRES: 03/31/2010**

Estimated burden per response to comply with this mandatory collection request: 20 minutes. NRC will use this information to track general licensees and their devices to ensure a higher level of device accountability. 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 to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0000). 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.

Complete all six sections of this registration form. If any of the preprinted information is incorrect, provide the changes in the applicable boxes. USE CAPITAL LETTERS.

General License Registration Number
GL-705439-16

SECTION 1 - GENERAL LICENSEE INFORMATION

Enter the company name and the street address/physical location of use for your device(s). For portable devices, specify the primary storage location. Do not use a P.O. Box address.

Company Name: METRO ST LOUIS SEWER

Department: BISSELL POINT TREATMENT

Address Line 1: 10 EAST GRAND AVENUE

Address Line 2:

City: SAINT LOUIS

State: MO

Zip Code: 63147 - 2913

For NRC Use Only
(Do not write here)
Category:
Packet Receipt Date (MMDDYYYY):
Accession Number:

SECTION 1 - GENERAL LICENSEE INFORMATION (Continued)

Enter the name, telelphone number and title of the person who is the responsible individual for the device(s).

Last Name: BERTHOLD

First Name: BRET

Middle Initial: A

Telephone: (314) 436-8749

Extension:

Title: OPERATIONS DIV MANAGER

Enter the mailing address where correspondence regarding your device(s) should be sent. This address should be specific to the use or storage location of your device(s).

Department: BISSELL POINT TREATMENT

Address Line 1: 10 EAST GRAND AVENUE

Address Line 2:

City: SAINT LOUIS

State: MO

Zip Code: 63147 - 2913

GL-705439-16
11/14/2011

SECTION 2 - DEVICES SUBJECT TO REGISTRATION

Our records indicate that you have these devices. Please update the information as necessary.

NRC Device Key **663341** **(Internal Control Number)**

Distributor/Distributed By: TN TECHNOLOGIES, INC.

Distributor License Number: L01105

Manufacturer Name: TN TECHNOLOGIES, INC.

Device Model (Not Source Model): 5201

Device Serial Number: B1867

Transfer Date (Receipt Date): 05/15/1992

MM DD YYYY

☐ **Not in possession of device (Also complete Section 4.)**

	Isotope (e.g. AM241)	Activity (e.g. 100)	Unit (e.g. mCi)
1	CS137	100.000000000	mCi
2			
3			
4			
5			
6			

GL-705439-16

11/14/2011

SECTION 2 - DEVICES SUBJECT TO REGISTRATION

Our records indicate that you have these devices. Please update the information as necessary.

NRC Device Key **663342** **(Internal Control Number)**

Distributor/Distributed By: TN TECHNOLOGIES, INC.

Distributor License Number: L01105

Manufacturer Name: TN TECHNOLOGIES, INC.

Device Model (Not Source Model): 5201

Device Serial Number: B1868

Transfer Date (Receipt Date): 05/15/1992

MM DD YYYY

☐ **Not in possession of device (Also complete Section 4.)**

	Isotope (e.g. AM241)	Activity (e.g. 100)	Unit (e.g. mCi)
1	CS137	100.000000000	mCi
2			
3			
4			
5			
6			

GL-705439-16
11/14/2011

SECTION 2 - DEVICES SUBJECT TO REGISTRATION

Our records indicate that you have these devices. Please update the information as necessary.

NRC Device Key **349410** **(Internal Control Number)**

Distributor/Distributed By: TN TECHNOLOGIES, INC.

Distributor License Number: L01105

Manufacturer Name: TN TECHNOLOGIES, INC.

Device Model (Not Source Model): 5203

Device Serial Number: B215

Transfer Date (Receipt Date): 11/15/1987

MM DD YYYY

☐ **Not in possession of device (Also complete Section 4.)**

	Isotope (e.g. AM241)	Activity (e.g. 100)	Unit (e.g. mCi)
1	CS137	2000.000000000	mCi
2			
3			
4			
5			
6			

GL-705439-16
11/14/2011

SECTION 3 - ADDITIONAL DEVICES SUBJECT TO REGISTRATION

Provide information about other devices you have that are subject to registration. Do not report specifically licensed devices.

Manufacturer Name

Initial Transferor Name

Initial Transferor License Number (if known)

Device Model Number (Not Source Model)

Device Serial Number

How acquired and date (e.g., from a distributor/manufacturer, other licensee, other source)?

- ○ Manufacturer/Initial Transferor listed above
- ○ Other General Licensee
- ○ Other Source

Date Transferred: (Received) MM DD YYYY

	Isotope (e.g. AM241)	Activity (e.g. 100)	Unit (e.g. mCi)
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			

GL-705439-16
11/14/2011

SECTION 4 - NOT IN POSSESSION OF DEVICE

Provide information about devices listed in Section 2 or 6, but no longer in your possession.

Part 1

NRC Device Key:
(from Section 2 or 6)

Transfer Date:
MM DD YYYY

Location of the Device:

- ○ Whereabouts Unknown (complete Part 1 only)
- ○ Never Possessed the Device (complete Part 1 only)
- ○ Returned to Manufacturer (complete Part 1 only)
- ○ Transferred to another general licensee (complete Parts 2 and 3)
- ○ Transferred to a Specific Licensee (Not the manufacturer) (complete Part 2)

Part 2 License Number of Recipient (if transferred to a specific licensee):

Company Name:

Department:

Address Line 1:

Address Line 2:

City:

State: Zip Code: -

Part 3 **Enter the name of the individual responsible for this device:**

Last Name:

First Name:

Middle Initial:

Telephone Number:

Extension:

Title:

GL-705439-16
11/14/2011

SECTION 6 - DEVICES NOT SUBJECT TO REGISTRATION

NRC Device Key: 706910 Manufacturer License No: 07-28762-02G
Manufacturer Name: AGILENT TECHNOLOGIES, INC.
Model Number: G153369576 Serial #: YA646 Transfer Date: 12/15/2003
Isotope: NI63 Activity: 15.000000000 Unit: mCi

NRC Device Key: 772108 Manufacturer License No: 07-28762-02G
Manufacturer Name: AGILENT TECHNOLOGIES, INC.
Model Number: G153369576 Serial #: K2751-0 Transfer Date: 5/15/1996 C
Isotope: NI63 Activity: 15.000000000 Unit: mCi

NRC Device Key: 813520 Manufacturer License No: 07-28762-02G
Manufacturer Name: AGILENT TECHNOLOGIES, INC.
Model Number: G239765505 Serial #: U18532 Transfer Date: 1/19/2011 C
Isotope: NI63 Activity: 15.000000000 Unit: mCi

THIS DEVICE TRANSFERRED TO AGILENT TECHNOLOGIES 3-1-2011.
SEE ATTACHED DOCUMENT FROM AGILENT TECHNOLOGIES.

SECTION 5 - CERTIFICATION

I hereby certify that:

A. All information contained in this registration is true and complete to the best of my knowledge and belief.

B. A physical inventory of the devices subject to registration has been completed, and the device information on this form has been checked against the device labeling.

C. I am aware of the requirements of the general license, provided in 10 CFR 31.5.
(Copies of applicable regulations may be viewed at the NRC website at:
http://www.nrc.gov/reading-rm/doc-collections/cfr)

Bret Berthold 12/12/11

SIGNATURE - RESPONSIBLE INDIVIDUAL (Listed in Section 1) **DATE**

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

Agilent Technologies

2850 Centerville Road
Wilmington, DE 19808

MSD-Environmental Compliance
Attn:Angie Midkiff
10 E Grand Ave
St. Louis MO 63147

3/3/2011

Reference: **Receipt of Radioactive Devices**

To Whom It May Concern:

This letter is to notify you that the Electron Capture Detectors listed below have been returned to, and are in possession of, Agilent Technologies Inc., 2850 Centerville Road, Wilmington, DE 19808, USA for further disposition.

Serial Number	Model Number	Date Received
K2751	G1533-69576	3/1/2011

Please understand that this letter does not relieve you of your responsibility to notify either your state nuclear regulatory agency (if you reside in an Agreement State) or the Nuclear Regulatory Commission (if you do not) of the transfer in accordance with 10 CFR 31.5 (c) (8) (i) and (ii). If you are notifying the NRC of the transfer of the device, please note the following complete mailing address:

Director of Nuclear Material Safety and Safeguards
ATTN: GLTS
U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001

Please contact your local Agilent Technologies, Inc. service representative if you have any questions.

Regards,

David S. Bennett
Radiation Safety Office, U.S. Operations

Document Owner: David S. Bennett
Revision Date: 4/8/08

MSD

1/19/11 - per Roslyn Jones the check was received on 12/27/10
301-415-7300 - phone

U.S.NRC

United States Nuclear Regulatory Commission

Protecting People and the Environment

Quarter Period: 10/01/2010 - 09/30/2011

Cost Accumulated through: 12/31/2010

Vendor:

METRO ST LOUIS SEWER

10 EAST GRAND AVENUE
SAINT LOUIS, MO 63147

Remit To:

Office of the Chief Financial Officer
U.S. Nuclear Regulatory Commission
P.O. Box 979051
St. Louis, MO 63197

Bills for Period:

BD Number	Date	Due Date	Amount	Docket
LFB 11-0717	Dec 28, 2010	Jan 27, 2011	$320.00	705439

If there are any questions, contact (301) 415-7338. For NRC debt collection procedures, including interest and penalty provisions, see 31 U.S.C. 3717,4 CFR 101-105, AND 10 CFR 15. Additional terms and conditions are attached.

Payment is due immediately. Make checks payable to The U.S. Nuclear Regulatory Commission. Interest will accrue from the invoice date at an annual percentage rate of 1%. Please remember to reference the invoice number on the remittance.

BT- OTHER- 2010-12- LOR- NRC FEE

MSD

Billing Details:

Docket #: **705439** **License #:** **705439**

PART 170:

Flat Application Fees Outstanding:

LFB 11-0717	Jan 27, 2011	**3Q**		$320.00
			Total	**$320.00**

Total for License/Docket: **$320.00**

MSD

Remittance Information:

Remit To: Office of the Chief Financial Officer

U.S. Nuclear Regulatory Commission
P.O. Box 979051
St. Louis, MO 63197

BD Number	Due Date	Amount	Docket	Total Due
LFB 11-0717	Jan 27, 2011	$320.00	705439	$320.00

This form serves as a certification used to identify a small entity, and is exempt from Office of Management and Budget clearance. 5 C.F.R. 1320.3(h)(1).

NRC FORM 526
(10-2010)
10 CFR 171

U.S. NUCLEAR REGULATORY COMMISSION

CERTIFICATION OF SMALL ENTITY STATUS FOR THE PURPOSES OF ANNUAL FEES IMPOSED UNDER 10 CFR PART 171 FY 2011

If you have QUESTIONS, e-mail them to: fees.resource@nrc.gov

SEE IMPORTANT INSTRUCTIONS FOR NRC FORM 526 ON PAGE 2 -- PLEASE READ CAREFULLY
DO NOT COMPLETE OR RETURN THIS FORM IF YOU DO NOT QUALIFY AS A SMALL ENTITY

NAME AND ADDRESS OF LICENSEE *(as it appears on the invoice)*:	INVOICE NUMBER	BUSINESS TELEPHONE NUMBER
	DOCKET NUMBER	CONTACT NAME
EMAIL ADDRESS	COMPANY WEBSITE ADDRESS www.	CONTACT TELEPHONE NUMBER

SIZE STANDARDS (Select one box below, and only one, under which the entity qualifies as a small entity). (Check only A or B in that box)		MAXIMUM ANNUAL FEE PER LICENSED CATEGORY (See Items 2 and 3 on back)
1. SMALL BUSINESS A for-profit concern that is not engaged in manufacturing with average gross receipts of $6.5 million or less over its last 3 completed fiscal years. For further information see 1a and 1b of attached instructions.	☐ A. $450,000 TO $6,500,000	$ 1,900
	☐ B. LESS THAN $450,000	$ 400
2. MANUFACTURING INDUSTRY A manufacturing concern with an average number of 500 or fewer employees based upon employment during each pay period for the preceding 12 calendar months.	☐ A. 35 to 500 EMPLOYEES	$ 1,900
	☐ B. LESS THAN 35 EMPLOYEES	$ 400
NAICS BUSINESS CODE (See 1b and 1e of attached instructions):		
3. SMALL ORGANIZATION A not-for-profit organization that is independently owned and operated and has annual gross receipts of $6.5 million or less. For futher information see 1a and 1b of attached instructions.	☐ A. $450,000 TO $6,500,000	$ 1,900
	☐ B. LESS THAN $450,000	$ 400
4. SMALL GOVERNMENTAL JURISDICTION (INCLUDING PUBLICLY SUPPORTED EDUCATIONAL INSTITUTIONS) A government of a city, county, town, township, village, school district, or special district with a population of 50,000 or less. For further information see 1f of attached instructions.	☐ A. 20,000 TO 50,000 POPULATION OF JURISDICTION	$ 1,900
	☐ B. LESS THAN 20,000 POPULATION OF JURISDICTION	$ 400
5. SMALL EDUCATIONAL INSTITUTION THAT IS NOT STATE OR PUBLICLY SUPPORTED. Only applicable to such small educational institutions if they have 500 or less employees. For futher information see 1b and 1f of attached instructions.	☐ A. 35 to 500 EMPLOYEES	$ 1,900
	☐ B. LESS THAN 35 EMPLOYEES	$ 400

CERTIFICATION

This certification MUST be signed by the owner of the entity named above or an official empowered to act on behalf of the entity.

I certify that the above named NRC licensee qualifies as a small entity under the size standards established by the NRC for its licensees in 10 CFR 2.810. The licensee qualifies as a small entity under the specific size standard indicated above.

WARNING: 18 U.S.C. Section 1001, Act of June 25, 1948, 62 Stat. 749, 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. The submittal of willful false statements is punishable by fine or imprisonment, or both, and for purposes of this certification, may result in revocation or suspension of the license.

	TYPED OR PRINTED NAME AND TITLE	SIGNATURE	DATE
I CERTIFY UNDER PENALTY OF PERJURY THAT THE FOREGOING IS TRUE AND CORRECT.			

See Instructions on Pages 3 & 4

NRC FORM 629 (9-2008) U.S. NUCLEAR REGULATORY COMMISSION

APPROVED BY OMB: NO. 3150-0150 EXPIRES: 05/31/2011

Estimated burden per response to comply with this voluntary collection request. 5 minutes. Requested information will allow respondents to transfer funds electronically. Send comments regarding burden estimate to the Records and FOIA/Privacy Services Branch (T-5 F53), 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, (3150-0190), 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.

AUTHORIZATION FOR PAYMENT BY CREDIT CARD

The NRC is currently accepting credit card payment of fees and other debts. If you wish to pay by credit card, complete the authorization below. If you have any questions, contact NRC's collection service provider, Department of Interior/National Business Center at 303-969-5880.

NAME OF CARDHOLDER	ACCOUNT NUMBER	CARD EXPIRATION DATE

ADDRESS	CARDS ACCEPTED (Check card you are using)
	☐ VISA ☐ MASTERCARD ☐ NOVUS (DISCOVER) ☐ AMERICAN EXPRESS

TELEPHONE	LICENSE NUMBER	SIGNATURE OF CARDHOLDER
INVOICE NUMBER OR DESCRIPTION	TOTAL AMOUNT OF TRANSACTION	

If you are paying an application or registration fee (including new licenses, amendments, etc.), mail the completed form with your application to the appropriate regional office.

For all other payments, send completed form to:

U.S. Bank
U.S. Nuclear Regulatory Commission
Accounts Receivable Team
P. O. Box 979051
St. Louis, MO 63197-9000

PRIVACY ACT STATEMENT

Pursuant to 5 U.S.C. 552a(e)(3), enacted into law by Section 3 of the Privacy Act of 1974 (Public Law 93-579), the following statement is furnished to individuals who supply information to the U.S. Nuclear Regulatory Commission (NRC) on NRC Form 629. This information is maintained as part of a system of records designated as NRC-32 and described at 71 Federal Register 59636 (October 10, 2006), or the most recent Federal Register publication of the NRC's "Republication of Systems of Records Notices" that is located in the NRC's Agencywide Documents Access and Management System.

1. **AUTHORITY:** 5 U.S.C. 552a; 5 U.S.C. 5514; 15 U.S.C. 1681; 26 U.S.C. 6103(m)(2); 31 U.S.C. 37, subchapters I and II; 31 U.S.C. 3701(a)(3); 31 U.S.C. 3711; 31 U.S.C. 3716; 31 U.S.C. 3717; 31 U.S.C. 3718; 31 U.S.C. 3720; 42 U.S.C. 2201; 42 U.S.C. 5841; Cash Management Improvement Act Amendments of 1992 (Pub. L. 102-589); Debt Collection Improvement Act of 1996 (Pub. L. 104-134); 31 CFR Chapter IX, Parts 900-904; 10 CFR Parts 15, 16, 170, 171; Executive Order (E.O.) 9397; E.O. 12101; and E.O. 12731.

2. **PRINCIPAL PURPOSE(S):** To collect credit card account information and provide authorization for its use to collect a payment or debt.

3. **ROUTINE USE(S):** In addition to the disclosures permitted under subsection (b) of the Privacy Act, NRC may disclosed information to debt collection contractors or to other Federal agencies for the purpose of collecting and reporting on delinquent debts and to banks enrolled in the Treasury Credit Card Network to collect a payment or debt when the individual has given his or her credit card number for this purpose. Information may be disclosed in accordance with any of the routine uses listed in the Prefatory Statement of General Routine Uses which includes to an appropriate agency in the event the information indicates a violation or potential violation of law; in the course of an administrative or judicial proceeding; to an appropriate agency to the extent relevant and necessary for an NRC decision about you or to the extent relevant and necessary for that agency's decision about you; in the course of discovery under a protective order issued by a court of competent jurisdiction, and in presenting evidence; to a Congressional office to respond to their inquiry made at your request; to NRC-paid experts, consultants, and others under contract with the NRC, on a need-to-know basis; and to appropriate persons and entities for purposes of response and remedial efforts in the event of a suspected or confirmed breach of data from this system of records.

4. **WHETHER DISCLOSURE IS MANDATORY OR VOLUNTARY AND EFFECT ON INDIVIDUAL OF NOT PROVIDING INFORMATION:** Providing this information is voluntary. However, not providing the requested information will not provide the NRC the information and authorization required to use your credit card to collect a payment or debt.

5. **SYSTEM MANAGER(S) AND ADDRESS:** Director, Division of Financial Management, Office of the Chief Financial Officer, U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001.

Rec'd
3-12-12
MT

ThermoFisher
SCIENTIFIC

The world leader
in serving science

LEAK TEST CERTIFICATION

This is to certify that the product identified below was tested for removable contamination in accordance with Texas Radioactive Material License Number L03524, Condition 19.

Customer: 121800
METROPOLITAN ST. LOUIS SEWER DIST.
Bissell Point Treatment Plant
10 E. Grand Avenue
St. Louis, MO 63147

Device ID:

Product: TN

Model: 5201 Serial No B1867

Isotope: Cs-137 Activity: 100 mCi

Source Serial: GV-3368

Location: GBT THICKENER/SLUDGE PUMP FLOOR

Test Type: Lab Counting

Result: ☐ Positive ☑ Negative < 2.5E-5 uCi

Analyzed on: February 28, 2012

This certificate should be maintained as a permanent record of the leak test of this product.

Michael Fontenot

Process Instruments 1410 Gillingham Lane Sugar Land, TX 77478 (713) 272-0404 (713) 272-2273 fax www.thermo.com

ThermoFisher
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in serving science

LEAK TEST CERTIFICATION

This is to certify that the product identified below was tested for removable contamination in accordance with Texas Radioactive Material License Number L03524, Condition 19.

Customer: 121800
METROPOLITAN ST. LOUIS SEWER DIST.
Bissell Point Treatment Plant
10 E. Grand Avenue
St. Louis, MO 63147

Device ID:

Product: TN

Model: 5201 Serial No B1868

Isotope: Cs-137 Activity: 100 mCi

Source Serial: GV-4602

Location: GBT THICKENER/SLUDGE PUMP FLOOR

Test Type: Lab Counting

Result: ☐ Positive ☑ Negative < 2.5E-5 uCi

Analyzed on: February 28, 2012

This certificate should be maintained as a permanent record of the leak test of this product.

Michael Fontenot

Process Instruments 1410 Gillingham Lane Sugar Land, TX 77478 (713) 272-0404 (713) 272-2273 fax www.thermo.com

ThermoFisher
SCIENTIFIC

The world leader
in serving science

LEAK TEST CERTIFICATION

This is to certify that the product identified below was tested for removable contamination in accordance with Texas Radioactive Material License Number L03524, Condition 19.

Customer: 121800
METROPOLITAN ST. LOUIS SEWER DIST.
Bissell Point Treatment Plant
10 E. Grand Avenue
St. Louis, MO 63147

Device ID:

Product: TN

Model: 5203 Serial No B215

Isotope: Cs-137 Activity: 2000 mCi

Source Serial: MB-611

Location: Bissell Treatment- Influent Tunel

Test Type: Lab Counting

Result: ☐ Positive ☑ Negative < 2.5E-5 uCi

Analyzed on: February 28, 2012

This certificate should be maintained as a permanent record of the leak test of this product.

Michael Fontenot

Process Instruments 1410 Gillingham Lane Sugar Land, TX 77478 (713) 272-0404 (713) 272-2273 fax www.thermo.com

MSD

UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

February 24, 2011

METRO ST LOUIS SEWER
ATTN: BRET BERTHOLD
BISSELL POINT TREATMENT
10 EAST GRAND AVENUE
SAINT LOUIS, MO 63147-2913

SUBJECT: ACKNOWLEDGMENT LETTER (REFERENCE NO.: GLTS-A-705439)

This letter is to confirm that we have received your response to the registration package for GL-705439-15.

We have completed processing your application request related to the annual registration of certain general licensed devices and have registered your devices. Please note that no further action is required from you at this time. But if you transfer any general licensed device, change address and/or ownership you must notify the NRC in writing within 30 days of any transfer of general licensed device transfer, change in address and/or ownership.

You may wish to refer to the Code of Federal Regulations (CFR), 10 CFR 31.5 or 31.7 as applicable, to find out if there are additional regulatory requirements that you must meet as a General Licensee. If you have any questions regarding your submittal or your responsibilities as a General Licensee please call (301) 415-7894 or visit *www.nrc.gov/materials/medical.html.*

You may submit your device transfer and change notifications to:

Attention: GLTS Project Manager
US Nuclear Regulatory Commission
Office of Federal and State Materials
and Environmental Management Programs
Division of Materials Safety and State Agreements
Washington, DC 20555-001

RT_MTHFR_2011_02_PMT_NRC GL

UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

MSD

February 05, 2009

METRO ST LOUIS SEWER
ATTN: EDWIN COPE JR. OR
BISSELL POINT TREATMENT
10 EAST GRAND AVENUE
SAINT LOUIS, MO 63147-2913

SUBJECT: ACKNOWLEDGMENT LETTER (REFERENCE NO.: GLTS-A-705439)

This letter is to confirm that we have received your response to the registration package for GL-705439-13.

We have completed processing your application request related to the annual registration of certain general licensed devices and have registered your devices. Please note that no further action is required from you at this time. But if you transfer any general licensed device, change address and/or ownership you must notify the NRC in writing within 30 days of any transfer of general licensed device transfer, change in address and/or ownership.

You may wish to refer to the Code of Federal Regulations (CFR), 10 CFR 31.5 or 31.7 as applicable, to find out if there are additional regulatory requirements that you must meet as a General Licensee. If you have any questions regarding your submittal or your responsibilities as a General Licensee please call (301) 415-7894 or visit *www.nrc.gov/materials/medical.html.*

You may submit your device transfer and change notifications to:

Attention: GLTS Project Manager
US Nuclear Regulatory Commission
Office of Federal and State Materials
and Environmental Management Programs
Division of Materials Safety and State Agreements
Washington, DC 20555-001

Rcd
2-17-01

BT_OTHER_2009_02_RMT_NRC GL

Final Rule

SCHEDULE OF MATERIALS FEES—Continued

[See footnotes at end of table]

Category of materials licenses and type of fees [1]	Fee [2,3]
M. Other licenses for possession and use of byproduct material issued under part 30 of this chapter for research and development that do not authorize commercial distribution.	
Application [Program Code(s): 03620]	$3,500.
N. Licenses that authorize services for other licensees, except:	
(1) Licenses that authorize only calibration and/or leak testing services are subject to the fees specified in fee Category 3.P.; and	
(2) Licenses that authorize waste disposal services are subject to the fees specified in fee Categories 4.A., 4.B., and 4.C.	
Application [Program Code(s): 03219, 03225, 03226]	$6,400.
O. Licenses for possession and use of byproduct material issued under part 34 of this chapter for industrial radiography operations.	
Application [Program Code(s): 03310, 03320]	$4,000.
P. All other specific byproduct material licenses, except those in Categories 4.A. through 9.D.	
Application [Program Code(s): 02400, 02410, 03120, 03121, 03122, 03123, 03124, 03220, 03221, 03222, 03800, 03810, 22130].	$1,500.
Q. Registration of a device(s) generally licensed under part 31 of this chapter.	
Registration	$400.
R. Possession of items or products containing radium-226 identified in 10 CFR 31.12 which exceed the number of items or limits specified in that section.[5]	
1. Possession of quantities exceeding the number of items or limits in 10 CFR 31.12(a)(4), or (5) but less than or equal to 10 times the number of items or limits specified.	
Application [Program Code(s): 02700]	$2,500.
2. Possession of quantities exceeding 10 times the number of items or limits specified in 10 CFR 31.12(a)(4), or (5).	
Application [Program Code(s): 02710]	$1,500.
S. Licenses for production of accelerator-produced radionuclides.	
Application [Program Code(s): 03210]	$6,500.
4. Waste disposal and processing:	
A. Licenses specifically authorizing the receipt of waste byproduct material, source material, or special nuclear material from other persons for the purpose of contingency storage or commercial land disposal by the licensee; or licenses authorizing contingency storage of low-level radioactive waste at the site of nuclear power reactors; or licenses for receipt of waste from other persons for incineration or other treatment, packaging of resulting waste and residues, and transfer of packages to another person authorized to receive or dispose of waste material. [Program Code(s): 03231, 03233, 03235, 03236, 06100, 06101].	Full Cost.
B. Licenses specifically authorizing the receipt of waste byproduct material, source material, or special nuclear material from other persons for the purpose of packaging or repackaging the material. The licensee will dispose of the material by transfer to another person authorized to receive or dispose of the material.	
Application [Program Code(s): 03234]	$8,400.
C. Licenses specifically authorizing the receipt of prepackaged waste byproduct material, source material, or special nuclear material from other persons. The licensee will dispose of the material by transfer to another person authorized to receive or dispose of the material.	
Application [Program Code(s): 03232]	$4,900.
5. Well logging:	
A. Licenses for possession and use of byproduct material, source material, and/or special nuclear material for well logging, well surveys, and tracer studies other than field flooding tracer studies.	
Application [Program Code(s): 03110, 03111, 03112]	$3,300.
B. Licenses for possession and use of byproduct material for field flooding tracer studies.	
Licensing [Program Code(s): 03113]	Full Cost.
6. Nuclear laundries:	
A. Licenses for commercial collection and laundry of items contaminated with byproduct material, source material, or special nuclear material.	
Application [Program Code(s): 03218]	$21,800.
7. Medical licenses:	
A. Licenses issued under parts 30, 35, 40, and 70 of this chapter for human use of byproduct material, source material, or special nuclear material in sealed sources contained in gamma stereotactic radiosurgery units, teletherapy devices, or similar beam therapy devices.	
Application [Program Code(s): 02300, 02310]	$8,800.
B. Licenses of broad scope issued to medical institutions or two or more physicians under parts 30, 33, 35, 40, and 70 of this chapter authorizing research and development, including human use of byproduct material, except licenses for byproduct material, source material, or special nuclear material in sealed sources contained in teletherapy devices. This category also includes the possession and use of source material for shielding when authorized on the same license.	
Application [Program Code(s): 02110]	$8,500.
C. Other licenses issued under parts 30, 35, 40, and 70 of this chapter for human use of byproduct material, source material, and/or special nuclear material, except licenses for byproduct material, source material, or special nuclear material in sealed sources contained in teletherapy devices.	
Application [Program Code(s): 02120, 02121, 02200, 02201, 02210, 02220, 02230, 02231, 02240, 22160]	$2,700.
8. Civil defense:	
A. Licenses for possession and use of byproduct material, source material, or special nuclear material for civil defense activities.	
Application [Program Code(s): 03710]	$2,500.
9. Device, product, or sealed source safety evaluation:	

Agilent Technologies

Agilent Technologies
2850 Centerville Road
Wilmington, DE 19808-1610
USA

Certificate for Electron Capture Detector:	
Detector Serial No.	U18532
Sealed Source Serial No.	U18532
Detector Model No.	G2397-65505
Sealed Source Model No.	NER-004P

Characte etector

Need to update next NRC Registration form

Identification

Radioelement - $^{63}_{28}Ni$

ucts

MAXIMUM ACTIVITY (not tc
TYPICAL ACTIVITY: 500 ME

Prototypes of the Model NER00 hieved a classification of
ISO/99/C42211. This meets or e Generators—Chromatography"
as defined in ISO 2919:1999.

Sources are not to be subjected to conditions exceeding 400° C or other ISO/99/C42211 classification specifications.

Nominal dimensions of the active part of the detector: Inside diameter: 1.2 cm; Height: 1cm.

Verification Tests

Pressurization Leak Test:

The ECD was pressurized to 16 psi and the leak rate was less than 0.6 psi per minute.

Date of test: 01-05-11 Analyst's Signature

Final Wipe Test:

The ECD was tested for surface contamination by means of a wipe test followed by liquid scintillation counting, and the value obtained did not exceed 20 Bq (0.54nCi).

Date of test: 01-10-11 Analyst's Signature Brenda Cox

We certify that this device complies with requirements of ANSI N542, that the above information is correct, and that it contains a sealed source compliant with ISO 2919 requirements.

Name & Function: David S. Bennett
Radiation Program Manager
(Radiation Safety Officer, US)

Date: 01-10-11

Signature:

Attention: Do not discard this document!

Revision S
Part No. 5955-9036

Agilent Technologies

Agilent Technologies
2850 Centerville Road
Wilmington, DE 19808-1610
USA

Certificate for Electron Capture Detector:	
Detector Serial No.	U18532
Sealed Source Serial No.	U18532
Detector Model No.	G2397-65505
Sealed Source Model No.	NER-004P

Characteristics of the Electron Capture Detector

Identification

Radioelement - $^{63}_{28}Ni$

Sealed source provided by:
Eckert & Ziegler, Isotope Products
Valencia, CA – USA

MAXIMUM ACTIVITY (not to exceed): 555 MBq or 15 millicuries.
TYPICAL ACTIVITY: 500 MBq or 13.2 millicuries.

Prototypes of the Model NER004P source design passed the performance tests and achieved a classification of ISO/99/C42211. This meets or exceeds the required rating of ISO/99/C32211 for "Ion Generators—Chromatography" as defined in ISO 2919:1999.

Sources are not to be subjected to conditions exceeding 400° C or other ISO/99/C42211 classification specifications.

Nominal dimensions of the active part of the detector: Inside diameter: 1.2 cm; Height: 1cm.

Verification Tests

Pressurization Leak Test:

The ECD was pressurized to 16 psi and the leak rate was less than 0.6 psi per minute.

Date of test: 01-05-11 Analyst's Signature _____

Final Wipe Test:

The ECD was tested for surface contamination by means of a wipe test followed by liquid scintillation counting, and the value obtained did not exceed 20 Bq (0.54nCi).

Date of test: 01-10-11 Analyst's Signature _____

We certify that this device complies with requirements of ANSI N542, that the above information is correct, and that it contains a sealed source compliant with ISO 2919 requirements.

Name & Function: David S. Bennett
Radiation Program Manager
(Radiation Safety Officer, US)

Date: 01-10-11

Signature: _____

Attention: Do not discard this document!

Revision S
Part No. 5955-9036

Agilent Technologies

Packing List

CUSTOMER INFORMATION

Ship To:
Metropolitan Sewer District
Attn:Angie Midkiff
(314) 436-8704
10 E Grand Ave
St. Louis MO 63147

Deliver To:

Cust. P.O.: 1-2981750320

Sold To:
Agilent Technologies Inc.
2850 Centerville Rd
WILMINGTON DE 19808-1610

PO# _____
Received DT
Date 1/21/11

Contact Name:
Phone:

SHIPPER INFORMATION

Shipped From:
Little Falls Division
LFAD
2850 Centerville Road
Wilmington DE 19808

Order No:	0001031314
Delivery No:	0670166540
Carrier Ref. No:	971279033844
T2L Code:	
Incoterm:	FOB Delivery Duty Paid
Carrier:	AA FEDERAL EXPRESS CORPORATION
Ship Date:	19-JAN-2011
Heart Order:	

Order Item	Delivery Item	Quantity	UoM	Product Number	Product Description	Box Weight	Box Number
1000	1000	1	EA	G2397A	6890 Micro ECD with EPC-U18532 SN: U18532 CoO: US	9.2	2340-49723

No Customer Payment Details for this Delivery

ATTENTION RECEIVING PERSONEL:
Goods are transported under CMR conditions. At time of delivery the following Receiving checks are mandatory:
- Match the number of boxes and boxnumbers on the packing list with the physical shipment (quantity check)
- Check the physical conditions of packages (quality check)

In case of obvious or concealed damage:
1) Save all packing material and delivery
2) Contact the Agilent Technologies sales office

These commodities, technology or software were either exported from the United States or exported/reexported from other countries, in accordance with the U.S. Export Administration Regulations. Diversion contrary to U.S. law is prohibited.

Total No. of Boxes 1 **Total Weight** 9.2

*** End of Packing List ***

Agilent Technologies

2850 Centerville Road
Wilmington, DE 19808

MSD-Environmental Compliance
Attn:Angie Midkiff
10 E Grand Ave
St. Louis MO 63147

3/3/2011

Reference: **Receipt of Radioactive Devices**

To Whom It May Concern:

This letter is to notify you that the Electron Capture Detectors listed below have been returned to, and are in possession of, Agilent Technologies Inc., 2850 Centerville Road, Wilmington, DE 19808, USA for further disposition.

Serial Number	Model Number	Date Received
K2751	G1533-69576	3/1/2011

Please understand that this letter does not relieve you of your responsibility to notify either your state nuclear regulatory agency (if you reside in an Agreement State) or the Nuclear Regulatory Commission (if you do not) of the transfer in accordance with 10 CFR 31.5 (c) (8) (i) and (ii). If you are notifying the NRC of the transfer of the device, please note the following complete mailing address:

Director of Nuclear Material Safety and Safeguards
ATTN: GLTS
U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001

Please contact your local Agilent Technologies, Inc. service representative if you have any questions.

Regards,

David S. Bennett
Radiation Safety Office, U.S. Operations

Document Owner: David S. Bennett
Revision Date: 4/8/08

SCHEDULE OF MATERIALS FEES—Continued

[*See* footnotes at end of table]

Category of materials licenses and type of fees [1]	Fee [2 3]
Application [Program Code(s): 03211, 03212, 03213]	$12,800.
B. Other licenses for possession and use of byproduct material issued under part 30 of this chapter for processing or manufacturing of items containing byproduct material for commercial distribution.	
Application [Program Code(s): 03214, 03215, 22135, 22162]	$4,400.
C. Licenses issued under §§ 32.72 and/or 32.74 of this chapter that authorize the processing or manufacturing and distribution or redistribution of radiopharmaceuticals, generators, reagent kits, and/or sources and devices containing byproduct material. This category does not apply to licenses issued to nonprofit educational institutions whose processing or manufacturing is exempt under § 170.11(a)(4).	
Application [Program Code(s): 02500, 02511, 02513]	$6,500.
D. [Reserved]	N/A [6].
E. Licenses for possession and use of byproduct material in sealed sources for irradiation of materials in which the source is not removed from its shield (self-shielded units).	
Application [Program Code(s): 03510, 03520]	$3,100.
F. Licenses for possession and use of less than 10,000 curies of byproduct material in sealed sources for irradiation of materials in which the source is exposed for irradiation purposes. This category also includes underwater irradiators for irradiation of materials where the source is not exposed for irradiation purposes.	
Application [Program Code(s): 03511]	$6,400.
G. Licenses for possession and use of 10,000 curies or more of byproduct material in sealed sources for irradiation of materials in which the source is exposed for irradiation purposes. This category also includes underwater irradiators for irradiation of materials where the source is not exposed for irradiation purposes.	
Application [Program Code(s): 03521]	$60,900.
H. Licenses issued under Subpart A of part 32 of this chapter to distribute items containing byproduct material that require device review to persons exempt from the licensing requirements of part 30 of this chapter. The category does not include specific licenses authorizing redistribution of items that have been authorized for distribution to persons exempt from the licensing requirements of part 30 of this chapter.	
Application [Program Code(s): 03254, 03255]	$4,300.
I. Licenses issued under Subpart A of part 32 of this chapter to distribute items containing byproduct material or quantities of byproduct material that do not require device evaluation to persons exempt from the licensing requirements of part 30 of this chapter. This category does not include specific licenses authorizing redistribution of items that have been authorized for distribution to persons exempt from the licensing requirements of part 30 of this chapter.	
Application [Program Code(s): 03250, 03251, 03252, 03253, 03256]	$11,400.
J. Licenses issued under Subpart B of part 32 of this chapter to distribute items containing byproduct material that require sealed source and/or device review to persons generally licensed under part 31 of this chapter. This category does not include specific licenses authorizing redistribution of items that have been authorized for distribution to persons generally licensed under part 31 of this chapter.	
Application [Program Code(s): 03240, 03241, 03243]	$2,000.
K. Licenses issued under Subpart B of part 32 of this chapter to distribute items containing byproduct material or quantities of byproduct material that do not require sealed source and/or device review to persons generally licensed under part 31 of this chapter. This category does not include specific licenses authorizing redistribution of items that have been authorized for distribution to persons generally licensed under part 31 of this chapter.	
Application [Program Code(s): 03242, 03244]	$1,100.
L. Licenses of broad scope for possession and use of byproduct material issued under parts 30 and 33 of this chapter for research and development that do not authorize commercial distribution.	
Application [Program Code(s): 01100, 01110, 01120, 03610, 03611, 03612, 03613]	$5,400.
M. Other licenses for possession and use of byproduct material issued under part 30 of this chapter for research and development that do not authorize commercial distribution.	
Application [Program Code(s): 03620]	$3,500.
N. Licenses that authorize services for other licensees, except:	
(1) Licenses that authorize only calibration and/or leak testing services are subject to the fees specified in fee Category 3.P.; and	
(2) Licenses that authorize waste disposal services are subject to the fees specified in fee Categories 4.A., 4.B., and 4.C.	
Application [Program Code(s): 03219, 03225, 03226]	$6,400.
O. Licenses for possession and use of byproduct material issued under part 34 of this chapter for industrial radiography operations.	
Application [Program Code(s): 03310, 03320]	$4,000.
P. All other specific byproduct material licenses, except those in Categories 4.A. through 9.D.	
Application [Program Code(s): 02400, 02410, 03120, 03121, 03122, 03123, 03124, 03220, 03221, 03222, 03800, 03810, 22130].	$1,500.
Q. Registration of a device(s) generally licensed under part 31 of this chapter.	
Registration	$400.
R. Possession of items or products containing radium-226 identified in 10 CFR 31.12 which exceed the number of items or limits specified in that section.[5]	
1. Possession of quantities exceeding the number of items or limits in 10 CFR 31.12(a)(4), or (5) but less than or equal to 10 times the number of items or limits specified.	
Application [Program Code(s): 02700]	$2,500.
2. Possession of quantities exceeding 10 times the number of items or limits specified in 10 CFR 31.12(a)(4), or (5).	
Application [Program Code(s): 02710]	$1,500.
S. Licenses for production of accelerator-produced radionuclides.	
Application [Program Code(s): 03210]	$6,500.
4. Waste disposal and processing:	

UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

February 28, 2011

* * * IMPORTANT NOTICE * * *

Please read this notice carefully. It may substantially impact the fees you are assessed by the NRC. Please submit any comments on the proposed fee rule changes within the 30-day comment period.

TO: ALL PARTS 30, 40, 50, 52, 61, 70, 71, 72, 73, 76 AND 110 LICENSEES, APPLICANTS, REACTOR VENDORS, AND OWNERS' GROUPS

SUBJECT: PROPOSED REVISIONS TO 10 CFR PARTS 170 AND 171 ON LICENSE, INSPECTION, AND ANNUAL FEES FOR FY 2011

Shortly after the date of this letter, the U.S. Nuclear Regulatory Commission (NRC) will publish a Notice of Proposed Rulemaking in the *Federal Register* for public comment. As a cost saving measure, the NRC discontinued its former practice of enclosing a copy of the Notice of Proposed Rulemaking with this mailing. Instructions for accessing the Notice on the Internet follow and a list of the proposed fees for fiscal year (FY) 2011 is enclosed.

The notice proposes revisions to the fee requirements of 10 CFR Part 170, "Fees for Facilities, Materials, Import and Export Licenses . . . " and Part 171, "Annual Fees for Reactor Licenses and Fuel Cycle Licenses and Materials Licenses . . ." The proposed revisions would implement the Omnibus Budget Reconciliation Act of 1990, as amended, which mandates that the NRC recover approximately 90 percent of its budget authority (not including amounts appropriated from the Nuclear Waste Fund, and amounts appropriated for Waste Incidental to Reprocessing and generic homeland security activities), in FY 2011.

In the absence of a final appropriation for FY 2011, the NRC's FY 2011 proposed fee rule is based on the FY 2011 budget submitted to the Congress to ensure that the required fees are collected by September 30, 2011. The required fee recovery amount for the NRC's FY 2011 budget is approximately $915.3 million. After accounting for billing adjustments, the total amount to be billed as fees is approximately $915.7 million. The NRC estimates that approximately $369.3 million will be billed for services assessed under 10 CFR Part 170, and $546.6 million will be billed under 10 CFR Part 171 as annual fees.

The most significant proposed changes to Part 170 are:

1. **Hourly Rate**. The NRC will establish a professional hourly rate of $273 to recover the cost of activities. The FY 2011 hourly rate is higher than the FY 2010 rate of $259, primarily due to the higher FY 2011 fee recoverable budget.

   In FY 2011, the NRC is proposing to use 1,371 hours per direct full-time equivalent (FTE), the same amount as FY 2010, to calculate the hourly fees. The NRC's estimate

of direct hours per FTE is based on hours charged to mission direct activities. It excludes from the total available hours per FTE (2,080) time for paid leave (Federal holidays, annual leave, and sick leave) and time spent on training and administrative activities that do not directly support the NRC's programmatic mission (referred to as indirect hours). Because the intended purpose of the NRC's hourly rates is to estimate a cost per hour of mission direct time, it is appropriate to exclude indirect time from its estimate of hours per FTE.

The NRC's new hourly rate is justified because it more accurately reflects the full cost of providing services under 10 CFR Part 170. The Office of Management and Budget (OMB) emphasizes that agency fees should reflect the full cost of providing services to identifiable beneficiaries as stated in OMB Circular A-25, "User Charges."

2. **Part 170 Flat Fees**. The NRC will revise the flat license application fees in 10 CFR 170.21 and 170.31 to reflect the new higher hourly rate.

3. **Progress Billing for Inspections**. The NRC changed its current policy with regard to billing inspection costs. Instead of billing a licensee when the inspection is completed, the NRC currently bills the licensee for any inspection cost incurred during the quarter even if the inspection is still ongoing. Billing for incurred inspections cost began in the first quarter of FY 2011, when the NRC's new accounting system was implemented. This policy change does not require a revision to Part 170.

The most significant proposals under Part 171 are:

1. **Revised Annual Fees**. The NRC will revise its annual fees in 10 CFR 171.15 and 171.16, using the rebaselined fee calculation method. This would result in increased annual fees compared to FY 2010 for almost all licensees. The FY 2011 proposed rebaselined fees are higher for four classes of licensees (spent fuel storage and reactors in decommissioning facilities, test and research reactors, fuel facilities and transportation), and lower for one class of licensees (power reactors). Within the uranium recovery fee class, the proposed annual fees for most licensees decrease, while the proposed annual fee for one fee category increased. Other factors include changes in allocation of budgeted costs and estimated Part 170 collections for the different classes of licenses and fee-relief activities.

2. **Application of Fee-Relief**. The NRC applies 10 percent of its appropriation that is excluded from fee recovery (fee-relief) to offset the total budget allocated for activities that do not directly benefit current NRC licensees. In FY 2011, total budgeted resources for these fee-relief activities were $6.4 million <u>less</u> than NRC's 10 percent fee-relief. The NRC will distribute $6.4 million surplus by reducing all licensees' annual fees, based on their relative percentages of the budget.

3. **Small Entity Fees Increases**. Based on previous methodology of computing small entity fees, the NRC is proposing to change the annual fees to $2,300 and $500 (stratified based on average gross receipts) for licensees that qualify as small entities.

The comment period for the proposed rule expires 30 days after the publication date in the *Federal Register*. Please include Docket ID **NRC-2011-0016** in the subject line of your comments. Comments submitted in writing or in electronic form will be made publicly available. Because your comments will not be edited to remove any identifying or contact information, the NRC cautions you against including any information in your submission that you do not want to be publicly disclosed. You may submit comments by one of the following methods:

Federal e-Rulemaking Portal: Go to http://www.regulations.gov and search for documents filed under Docket ID **NRC-2009-0333.** Address questions about NRC dockets to Carol Gallagher 301-492-3668; e-mail Carol.Gallagher@nrc.gov.

Mail comments to: Secretary, U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, ATTN: Rulemakings and Adjudications Staff.

E-mail comments to: Rulemaking.Comments@nrc.gov. If you do not receive a reply e-mail confirming that we have received your comments, contact us directly at 301-415-1677.

Hand deliver comments to: 11555 Rockville Pike, Rockville, Maryland 20852, between 7:30 am and 4:15 pm Federal workdays. (Telephone 301-415-1677).

Fax comments to: Secretary, U.S. Nuclear Regulatory Commission at 301-415-1101.

Also, please note that the NRC does not plan to routinely mail the proposed or the final rule to licensees. However, the NRC will send a copy of the proposed or final rules to any licensee or other person upon specific request. To request a copy, contact the Accounts Receivable/Payable Branch, Division of the Controller, Office of the Chief Financial Officer, at 301-415-7554, or e-mail fees.resource@nrc.gov. In addition to publication in the *Federal Register*, the rule will be available electronically at the NRC's Electronic Reading Room at http://www.nrc.gov/reading-rm/adams.html. From this page, the public can gain entry into the Agencywide Documents Access and Management System (ADAMS), which provides text and image files of NRC's public documents. If you do not have access to ADAMS or if there are problems in accessing the documents located in ADAMS, contact the NRC's PDR reference staff at 1-800-397-4209, 301-415-4737, or by e-mail to pdr.resource@nrc.gov.

Sincerely,

Reginald W. Mitchell, Controller
Office of the Chief Financial Officer

UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, DC 20555-0001

OFFICIAL BUSINESS

UNITED STATES POSTAGE
PITNEY BOWES
02 1M $ 00.44⁰
0004230860 MAR 14 2011
MAILED FROM ZIP CODE 20852

Buffy Santel

METRO ST LOUIS SEWER
10 EAST GRAND AVENUE
SAINT LOUIS, MO 63147

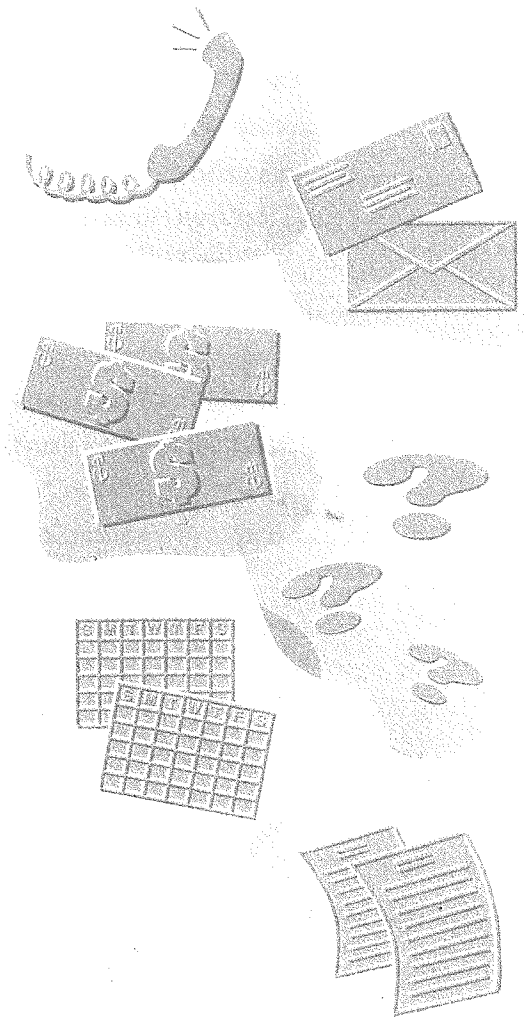
63147$2913 C006

U.S.NRC

United States Nuclear Regulatory Commission

Protecting People and the Environment

Materials Annual Fee Billing Handbook



NUREG/BR-0238, Rev. 18
October 2010

Office of the Chief Financial Officer

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APPROVED BY OBM: NO. 3150-0190 EXPIRES: 05/31/2011

Estimated burden per response to comply with this voluntary information collection request: 5 minutes. Requested information will allow respondents to transfer funds electronically. Send comments 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, (3150-0180), 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.

QUESTIONS ABOUT YOUR MATERIALS ANNUAL FEE

GENERAL QUESTIONS

WHAT IS THE INVOICE FOR?

The invoice is for the FY 2011 ANNUAL FEE for the license identified on the invoice.

WHAT PERIOD DOES THIS INVOICE COVER?

It covers the period from October 1, 2010, through September 30, 2011.

WHAT IS THE ANNIVERSARY MONTH?

The anniversary month is the month the license was originally issued.

WE HAVE MORE THAN ONE LICENSE; WHY DIDN'T WE GET INVOICES FOR ALL OF THEM?

If you have multiple licenses or approvals and they have different anniversary months, invoices will be issued for the anniversary month of each license or approval.

ANNUAL CERTIFICATION OF SMALL ENTITY STATUS FOR THE PURPOSES OF ANNUAL FEES IMPOSED UNDER 10 CFR PART 171 (ALSO SEE PAGES 11-14)

WHAT IS IT?

Licensees that meet the U.S. Nuclear Regulatory Commission's (NRC's) size standards for a small entity must complete the enclosed NRC Form 526 in order to qualify for a reduced annual fee. The size standards increased effective October 24, 2007.

IF WE QUALIFIED LAST YEAR, WHY IS THIS YEAR'S BILL FOR THE FULL AMOUNT?

A new form is required for each year and for each invoice you receive. Because a licensee's "size," or the size standards may change from year to year, the

invoice reflects the full fee and licensees must complete and return to the NRC a new form in order for the fee to be reduced to the small entity fee. YOU WILL NOT RECEIVE A NEW INVOICE FOR THE REDUCED AMOUNT. Mail the completed form, the payment for the appropriate small entity fee, and the "Payment Copy" of the invoice to the address listed on the invoice.

PLEASE CAREFULLY READ THE INSTRUCTIONS ON THE BACK OF NRC FORM 526 BEFORE COMPLETING THE FORM.

WE DO NOT QUALIFY AS A SMALL ENTITY; SHOULD WE COMPLETE THE FORM, AND WHAT DO WE DO WITH THE FORM IF WE DON'T QUALIFY?

Licensees that do not meet the NRC's size standards for a small entity should disregard NRC Form 526 and send payment for the invoiced amount, together with the "Payment Copy" of the invoice, to the address listed on the invoice.

TERMINATION REQUESTS

OUR LICENSE WAS TERMINATED; WHY DID WE RECEIVE AN INVOICE?

The annual fee is not waived for termination requests filed after October 1, 2010. The full invoiced amount is due. However, if you file a termination request between October 1, 2010, and March 31, 2011, the NRC will prorate the fee 50 percent and will process a refund for any overpayment. The NRC will not prorate the annual fee for termination requests that are filed after March 31, 2011.

HOW CAN WE AVOID THE ANNUAL FEE FOR NEXT YEAR?

To avoid the annual fee for FY 2012 (October 1, 2011, through September 30, 2012) you must request termination, or an amendment for possession or storage only, before October 1, 2011, and must permanently cease licensed activities before this date.

NRC'S FEE SCHEDULES

Our fee schedules are published for notice and comment rulemaking in the *Federal Register*. The proposed and final fee schedules are available on the internet (for 90 days after the effective date) at http://www.regulations.gov/.

If you need a copy of the current fee schedule, please ask the telephone receptionist or the license fee staff listed on the back cover, and we will be glad to furnish one to you. You can also e-mail us at fees.resource@nrc.gov.

PAYMENT DUE DATE

WHEN IS THE PAYMENT DUE?

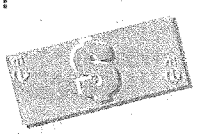
The payment is due on the invoice date. The NRC will charge interest for any payments that are not received within 30 days of the invoice date.

FAILURE TO MAKE THE PAYMENT AND SEND THE "PAYMENT COPY" OF THE INVOICE TO THE ADDRESS ON THE INVOICE MAY RESULT IN LATE CHARGES.

PAYMENT METHODS

HOW DO I PAY THE INVOICE?

Payments can be made as follows:



EDI/ACH PAYMENTS

The NRC can accept electronic payments using electronic data interchange (EDI) through the Automated Clearinghouse (ACH) Network. A Financial EDI Authorization Form is enclosed with each invoice. If you have any questions about EDI/ACH payments, please contact our depositary bank, U.S. Treasury, at 202-874-7026.

MSD 001368

CREDIT CARD PAYMENTS

The NRC can accept credit card applications for payment of annual fees. An authorization form is enclosed with each invoice. Complete and mail the authorization form to our lockbox bank:

U.S. Nuclear Regulatory Commission
Accounts Receivable
P.O. Box 979051
St. Louis, MO 63197-9000

CHECK PAYMENTS

Send checks to our lockbox bank at the address above.

Since the payment address is a post office lockbox for the bank, only regular mail or U.S. Postal Service Express Mail can be accepted.

FEDERAL EXPRESS/OVERNIGHT DELIVERY SEND TO:

U.S. Nuclear Regulatory Commission
U.S. Bank/Government Lockbox
SL-MO-C2GL
1005 Convention Plaza
St. Louis, MO 63101

FEDWIRE/TFCS PAYMENTS

To send a Fedwire through a Federal Reserve Bank for credit to our account at the U.S. Treasury, see the section of this brochure entitled "Procedures for Electronic Funds Transfer" (page 9).

LATE PAYMENT CHARGES

See "Interest," "Penalty," and "Administrative Charge" in the section entitled "Terms and Conditions" (pages 5 and 6).

DISPUTED DEBTS

See the section entitled "Procedures for Extending Payment Dates of Annual Fee Invoices" (page 7).

TERMS AND CONDITIONS

NOTICE: This invoice shows the annual fee assessed for your licensed program. Fees are assessed in accordance with the schedules in *Title 10 of the Code of Federal Regulations* (10 CFR Part 171).

The suspension, revocation, or termination of a license does not relieve the licensee of its responsibility for any debt(s). The fee(s) and associated interest, penalties, and administrative costs, if any, constitute a debt to the United States pursuant to Federal law, and the invoice is the demand for payment required under Federal law and implementing regulations. The NRC will not accept or execute any purchase order submitted by a licensee as a condition to the licensee's paying the debt. The NRC also reserves the right not to accept or execute any claim form or other document submitted by a licensee as a condition to the licensee's paying the debt.

TERMS: Payment is due immediately and should be made payable to the U.S. Nuclear Regulatory Commission by credit card, check, draft, money order, or electronically (Electronic Data Interchange, Automated Clearinghouse Electronic Funds Transfer). Where specific payment instructions are provided on the bills, payment should be made accordingly, e.g., bills of $5,000 or more will normally indicate payment by electronic funds transfer. With respect to Federal agencies, payment by the Intragovernmental Payment and Collection System (IPAC) will be accepted.

INTEREST: Interest will be assessed to the extent authorized under common law or in accordance with 31 U.S.C 3717, and will accrue from the invoice date. The interest rate charged will be the Treasury Current Value of Funds Rate which is available at www.fms.treas.gov/cvfr/index.html.

PENALTY: A penalty charge will be assessed on any portion of a debt that is subject to the provisions of 31 U.S.C. 3717 and is delinquent for more than 90 days (at the annual rate of 6 percent). This charge will be calculated on or after the 91st day of delinquency, but will accrue from the date the debt became delinquent. For this purpose, a debt is delinquent if it has not been paid by the invoice date.

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ADMINISTRATIVE CHARGE: The NRC is required to assess an administrative charge incurred as a result of a delinquent debt subject to the provisions of 31 U.S.C. 3717. Administrative costs may include costs incurred in obtaining a credit report or in using a private debt collector, to the extent they are attributable to the delinquency. The minimum administrative charge is $7 a month.

USE OF CONSUMER REPORTING AGENCIES AND CONTRACTING FOR COLLECTION SERVICES: In addition to assessing interest, penalties, and administrative costs, the NRC may report a debt that is current or delinquent to a consumer reporting agency (credit bureau) and may refer the delinquent debt to a private debt collection contractor in order to recover the delinquent debt. The debt collection contractor is entitled to add its collection fee to the debt. The NRC may also pursue collection or litigation of delinquent debt through the Department of Justice, the Internal Revenue Service, and the Department of the Treasury for administrative offset and tax refund offset. The debtor will be liable for all collection fees incurred with the collection of this debt.

10 CFR 170.41 FAILURE BY LICENSEE TO PAY PRESCRIBED FEES AND 10 CFR 171.23 ENFORCEMENT: When the Commission finds that a licensee has failed to pay a prescribed fee or files a false certification with respect to qualifying as a small entity under the Regulatory Flexibility Criteria, the Commission will not process any application and may suspend or revoke any license or approval issued to the licensee or may issue an order with respect to licensed activities as the Commission determines to be appropriate or necessary to carry out the provisions of these parts. The filing of a false certification to qualify as a small entity under subsection 171.16(c) of 10 CFR Part 171 may also result in punitive action pursuant to 18 U.S.C. 1001.

RIGHT TO REVIEW AND APPEAL OF PRESCRIBED FEES: All debtors' requests for review of the fees assessed and appeal or disagreement with the prescribed fee must be submitted in writing in accordance with the provisions of 10 CFR 15.31, "Disputed Debts."

PROCEDURES FOR EXTENDING PAYMENT DATES OF ANNUAL FEE INVOICES

Annual fees are billed in accordance with the schedules contained in 10 CFR Part 171. Interest on the amount billed accrues from the invoice date but will be waived if the amount due is paid within 30 days of the invoice date. If the 30-day period is extended, interest will be waived provided the debt is paid before the expiration of the extended period. The 30-day period may be extended, at NRC's discretion, in accordance with the following procedures:

1. The NRC must receive the debtor's written request for an extension of the period before expiration of the 30-day period. The request should explain why the debt is incorrect in fact or in law (10 CFR 15.31). If the request is not received within the 30-day period, it will automatically be denied. Telephone requests for extensions will not be considered. Requests for extensions of the 30-day period should be submitted to the:

   U. S. Nuclear Regulatory Commission
   Office of the Chief Financial Officer
   Division of Financial Management
   License Fee Team Mailstop T9 E10
   Washington, DC 20555-0001

2. The debtor's explanation must have merit for the NRC to extend the 30-day period. A request is deemed to have merit if it causes the NRC to question whether the amount originally billed is correct.

   a. If the explanation has merit, the NRC will notify the debtor in writing that the request is granted and that the 30-day period will be extended to a certain date. This date will be stated on the revised invoice and will be approximately 30 days after the date the revised invoice is mailed. The amount on the revised invoice will constitute a final determination of the existence or amount of the debt. A final determination by the NRC for this purpose need not await the outcome of litigation or further administrative review. Further extensions of this date stated on the revised invoice will not be granted. If the amount on the revised invoice is not paid on or before the date stated on

the invoice, interest from the date of the original invoice will become due and payable.

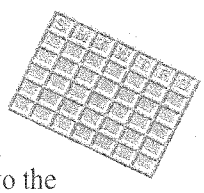
b. The NRC may, at its discretion, meet with the debtor's representatives to receive further evidence or arguments supporting the debtor's contentions.

c. A request for an extension may be granted either with respect to the entire amount originally billed or with respect to a portion of the amount originally billed. In the latter case, the remainder of such amount will remain due and payable as originally billed and if not paid on or before that date, interest from the date of the original invoice will become due and payable.

d. If the debtor's explanation does not have merit and does not cause the NRC to question whether the amount originally billed is correct, the request will be denied. Failure of the NRC to notify a debtor before the end of the 30-day period that a request for an extension has been denied will not constitute grounds for a waiver of interest.

e. The assertion that the invoice is unsupported by detailed data does not constitute an explanation of why the amount billed is incorrect in fact or in law. If the debtor views information furnished with the invoice as insufficient for the purpose of a request for an extension, the debtor should seek the necessary information as soon as possible so that a request for extension can be submitted within the 30-day period.

3. If an extension of the 30-day period is granted and the amount originally billed remains unchanged, such extension will be stated on the revised invoice as provided for in item 2a.



4. NRC records in support of billed fees are not subject to audit by nongovernmental entities. However, copies of records desired by a debtor can be made available to the debtor if they are reproduced at the debtor's expense. For any charges that may be assessed, refer to 10 CFR Part 9.

5. The NRC will refund to a debtor any amount that is later determined to be an overpayment, including interest, if any, that was paid by the debtor on such amount. The NRC is not authorized to pay interest on any part of an annual fee that was paid to the NRC and is later refunded.

PROCEDURES FOR ELECTRONIC FUNDS TRANSFER BY FEDWIRE

The NRC can receive funds through the U.S. Department of the Treasury (Treasury) Fedwire Deposit System. The basic wire message format below complies with the Federal Reserve Board's standard structured third-party format for all electronic funds transfer (EFT) messages. A sample of an EFT message to Treasury and a narrative description of each field follow:

```
|_____
          (1)
| 021030004 |  (2)  |

|  (3)  |  (4)  |  (5)  |

|  (6)  /                                  |
          (7) (8)
|TREAS NYC/CTR /                           |
                                  (9)
|BNF=/AC-31000001 OBI=                     |

|                  (10)                    |
```

Field	Content
(1)	RECEIVER-DFI#—Treasury's ABA number for deposit messages is 021030004.
(2)	TYPE-SUBTYPE-CD—The type and subtype code will be provided by the sending bank.
(3)	SENDER-DFI#—This number will be provided by the sending bank.
(4)	SENDER-REF#—The 16-character reference number is inserted by the sending bank at its discretion.
(5)	AMOUNT—The transfer amount must be punctuated with commas and decimal point; use of the "$" is optional. This item will be provided by the depositor.
(6)	SENDER-DFI-NAME—This information is automatically inserted by the Federal Reserve Bank.
(7)	RECEIVER-DFI-NAME—Treasury's name for deposit messages is "TREAS NYC." This name should be entered by the sending bank.

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(8) PRODUCT CODE—A product code of "CTR" for customer transfer should be the first data in the RECEIVER-TEXT field. Other values may be entered, if appropriate, using the ABA's options. A slash must be entered after the product code.

(9) Agency Location Code (ALC)—this item is of critical importance. It must appear on the funds transfer deposit message in the precise manner as stated to allow for the automated processing and classification of the funds transfer message to the agency location code of the appropriate agency. The ALC identification sequence can, if necessary, begin on one line and end on the next line; however, the field tag "BNF=" must be on one line and cannot contain any spaces. NRC's 8-digit ALC is: BNF=/AC-31000001

(10) Third-Party Information—The Originator to Beneficiary Information field tag "OBI=" is used to signify the beginning of the free-form third-party text. All other identifying information to enable the NRC to identify the deposit, for example, NRC annual fee invoice number, description of fee - 10 CFR 171 annual fee, and licensee name, should be placed in this field.

The optimum format for fields 7, 8, 9, and 10 using an 8-digit ALC is as follows:

TREAS NYC/CTR/BNF=/AC-31000001 OBI=

The optimum format, shown above, will allow 219 character positions of information following the "OBI=" indicator.

If the licensee's bank is not a member of the Federal Reserve System, the non-member bank must transfer the necessary information and funds to a member bank, which then must transfer the information and funds to the local Federal Reserve Bank.

For transfer of funds from local Federal Reserve Banks to be recorded on the same day, the transfer must be received at the New York Federal Reserve Bank by 4 p.m., EST. Otherwise, the deposit will be recorded on the next workday.

SMALL ENTITY COMPLIANCE GUIDE

INTRODUCTION

The Congressional Review Act requires all Federal agencies to prepare a written guide for each "major" final rule, as defined by the Act. The NRC's fee rule, published annually to comply with the Omnibus Budget Reconciliation Act of 1990 (OBRA-90), as amended, is considered a "major" rule under the Congressional Review Act. Therefore, the NRC prepared this guide to assist NRC materials licensees in complying with the fee rule.

Licensees may use this guide to determine whether they qualify as a small entity under NRC regulations and are eligible to pay reduced annual fees assessed under 10 CFR Part 171. The NRC has established two tiers of annual fees for those materials licensees who qualify as small entities under the NRC's size standards.

Licensees who meet the NRC's size standards for a small entity (listed in 10 CFR 2.810) must submit a completed NRC Form 526 "Certification of Small Entity Status for the Purposes of Annual Fees Imposed Under 10 CFR Part 171" to qualify for the reduced annual fee. This form can be accessed on the NRC's website at http://www.nrc.gov. The form can then be accessed by selecting "Who We Are", then "License Fees" and under "Forms" selecting NRC Form 526. For licensees who cannot access the NRC's website, NRC Form 526 may be obtained through the local point of contact listed in the NRC's "Materials Annual Fee Billing Handbook," NUREG/BR-0238, which is enclosed with each annual fee billing. Alternatively, the form may be obtained by calling the fee staff at 301-415-7554, or by e-mailing the fee staff at fees.resource@nrc.gov. The completed form, the appropriate small entity fee, and the payment copy of the invoice should be mailed to the U.S. Nuclear Regulatory Commission, License Fee Team, at the address indicated on the invoice. Failure to file the NRC small entity certification Form 526 in a timely manner may result in the denial of any refund that might otherwise be due.

NRC DEFINITION OF SMALL ENTITY

For purposes of compliance with its regulations (10 CFR 2.810), the NRC has defined a small entity as follows:

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1. **Small business** – a for-profit concern that provides a service, or a concern that is not engaged in manufacturing, with average gross receipts of $6.5 million or less over its last 3 completed fiscal years;
2. **Manufacturing industry** – a manufacturing concern with an average of 500 or fewer employees based on employment during each pay period for the preceding 12 calendar months;
3. **Small organizations** – a not-for-profit organization that is independently owned and operated and has annual gross receipts of $6.5 million or less;
4. **Small governmental jurisdiction** – a government of a city, county, town, township, village, school district or special district, with a population of less than 50,000;
5. **Small educational institution** – an educational institution supported by a qualifying small governmental jurisdiction, or one that is not State or publicly supported and has 500 or fewer employees [1]

To further assist licensees in determining if they qualify as a small entity, the following guidelines are provided, which are based on the Small Business Administration's regulations (13 CFR part 121).

1. A small business concern is an independently owned and operated entity which is not considered dominant in its field of operations.
2. The number of employees means the total number of employees in the parent company, any subsidiaries and/or affiliates, including both foreign and domestic locations (i.e., not soley the number of employees working for the licensee or conducting NRC licensed activities for the company).
3. Gross annual receipts includes all revenue received or accrued from any source, including receipts of the parent company, any subsidiaries and/or affiliates, and account for both foreign and domestic locations. Receipts include all revenues from sales of products and services, interest, rent, fees, and commissions, from whatever sources derived (i.e., not solely receipts from NRC licensed activities).
4. A licensee who is a subsidiary of a large entity does not qualify as a small entity.

[1] An educational institution referred to in the size standards is an entity whose primary function is education, whose programs are accredited by a nationally recognized accrediting agency or association, who is legally authorized to provide a program of organized instruction or study, who provides an educational program for which it awards academic degrees, and whose educational programs are available to the public.

NRC SMALL ENTITY FEES

In 10 CFR 171.16 (c), the NRC established two tiers of fees for licensees that qualify as a small entity under the NRC's size standards. The fees are as follows:

Small Business not engaged in manufacturing and small not-for profit organizations (Gross Annual Receipts)	**Maximum annual fee per licensed category**
$450,000 to $6.5 million	$1,900
Less than $450,000	$400
Manufacturing entities that have an average of 500 employees or less	
35 to 500 employees	$1,900
Less than 35 employees	$400
Small Governmental Jurisdictions (Including publicly supported educational institutions) (Population)	
20,000 to 50,000	$1,900
Less than 20,000	$400
Educational Institutions that are not State or publicly supported, and have 500 employees or less	
35 to 500 employees	$1,900
Less than 35 employees	$400

INSTRUCTIONS FOR COMPLETING NRC FORM 526

1. Complete all items on NRC Form 526 as follows: (NOTE: Incomplete or improperly completed forms will be returned as unacceptable)
   - Enter the license number and invoice number exactly as they appear on the annual fee invoice.
   - Enter the North American Industry Classification System (NAICS) code.
   - Enter the licensee's name and address exactly as they appear on the invoice. Annotate name and/

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or address changes for billing purposes on the payment copy of the invoice—include contact's name, telephone number, e-mail address, and company web site address. Correcting the name and/or address on NRC Form 526 or on the invoice does not constitute a request to amend the license.

- Check the appropriate size standard under which the licensee qualifies as a small entity. Check one box only. Note the following:

  a. A licensee who is a subsidiary of a large entity, including foreign entities, does not qualify as a small entity. The calculation of a firm's size includes the employees or receipts of all affiliates. Affiliation with another concern is based on the power to control, whether exercised or not. Such factors as common ownership, common management and identity of interest (often found in members of the same family), among others, are indications of affiliation. The affiliated business concerns need not be in the same line of business (67 CFR part 59).

  b. Gross annual receipts, as used in the size standards, include all revenue received or accrued by your company from all sources, regardless of the form of the revenue and not solely receipts from licensed activities.

  c. NRC's size standards on small entity are based on the Small Business Administration's (SBA) regulations (13 CFR part 121).

  d. The size standards apply to the licensee, not to the individual authorized users who may be listed in the license.

2. If the invoice states the "Amount Billed Represents 50 percent Proration," the amount due is not the prorated amount shown on the invoice but rather one-half of the maximum small entity annual fee shown on NRC Form 526 for the size standard under which the licensee qualifies (either $950 or $200) for each category billed.

3. If the invoice amount is less than the reduced small entity annual fee shown on this form, pay the amount on the invoice; there is no further reduction. In this case, do not file NRC Form 526. However, if the invoice amount is greater than the reduced small entity annual fee, file NRC Form 526 and pay the amount applicable to the size standard you checked on the form.

4. You must submit the completed NRC Form 526 with the required annual fee payment and the "Payment Copy" of the invoice to the address shown on the invoice.

5. 10 CFR 171.16(c)(3) states licensees shall submit a new certification with its annual fee payment each year. Failure to submit NRC Form 526 at the time the annual fee is paid will require the licensee to pay the full amount of the invoice.

The NRC sends invoices to its licensees for the full annual fee, even though some licensees qualify for reduced fees as small entities. Licensees who qualify as small entities and file NRC Form 526, which certifies eligibility for small entity fees, may pay the reduced fee, which is either $1,900 or $400 for a full year, depending on the size of the entity, for each fee category shown on the invoice. Licensees granted a license during the first six months of the fiscal year, and licensees who file for termination or for a "possession only" license and permanently cease licensed activities during the first six months of the fiscal year, pay only 50 percent of the annual fee for that year. Such invoices state that the "amount billed represents 50 percent proration."

Licensees must file a new small entity form (NRC Form 526) with the NRC each fiscal year to qualify for reduced fees in that year. Because a licensee's "size," or the size standards, may change from year to year, the invoice reflects the full fee and licensees must complete and return NRC Form 526 for the fee to be reduced to the small entity fee amount. LICENSEES WILL NOT RECEIVE A NEW INVOICE FOR THE REDUCED AMOUNT. The completed NRC Form 526, the payment of the appropriate small entity fee, and the

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"Payment Copy" of the invoice should be mailed to the U. S. Nuclear Regulatory Commission, License Fee Team at the address indicated on the invoice.

If you have questions regarding the NRC's annual fees, please contact the license fee staff at 301-415-7554, e-mail the fee staff at fees.resource@nrc.gov, or write to the

U.S. Nuclear Regulatory Commission
Office of the Chief Financial Officer
Washington, DC 20555-0001

False certification of small entity status could result in civil sanctions being imposed by the NRC under the Program Fraud Civil Remedies Act, 31 U.S.C. 3801 et. seq. NRC's implementing regulations are found at 10 CFR Part 13.

TO CONTACT US IN WRITING

LETTERS (DO NOT SEND ANNUAL FEE PAYMENTS OR SMALL ENTITY FORMS TO THIS ADDRESS)

If you have other questions, please write to the

U.S. Nuclear Regulatory Commission
Office of the Chief Financial Officer
Division of Financial Management
License Fee Team Mail Stop T9 E10
Washington, DC 20555-0001

To assist us in providing a prompt response, please include your license number, invoice number, if applicable, and a daytime number (including the area code) where you can be reached.

E-mail us at fees.resource@nrc.gov.

'O CONTACT US BY PHONE

Past Due Notices	Cherub Robertson Jesusa Neer	303-969-5880 303-969-5336
EDI/ACH/Credit Cards/	Cherub Robertson Jesusa Neer	303-969-5880 303-969-5336
Lockbox Receipt	Cherub Robertson Jesusa Neer	303-969-5880 303-969-5336
Fedwire Receipts	Cherub Robertson Jesusa Neer	303-969-5880 303-969-5336
Credit Cards	Contact NRC's collection service provider, DOI/NBC	303-969-5880
Other Questions:		
Exempt Distribution Licenses	Brenda Brown	301-415-6055
Reciprocity	Brenda Brown	301-415-6055
General L[redacted] Sealed Source and Device Registrations	Rosalyn Jones	301-415-7300
Small Entity Certification	Brenda Brown	301-415-6055
Export/Import	Janice Owens	301-415-3684
Other Licensees Located in:		
Region I CT, DC, DE, MA, MD, ME, NH, NJ, NY, PA, RI, VT	Shirley Crutchfield	301-415-6097
Region II AL, FL, GA, KY, MS, NC, PR, SC, TN, VA, VI, WV	Shirley Crutchfield	301-415-6097
Region III IA, IL, IN, MI, MN, MO, OH, WI	Brenda Brown	301-415-6055
Region IV AK, AR, AZ, CA, CO, Guam, HI, ID, KS, LA, MT, ND, NE, NM, NV, OK, OR, SD, TX, UT, WA, WY	Brenda Brown	301-415-6055

Our license fee staff can help you with questions concerning fees for your license, registration, or approval, including small entity questions.

ALL GENERAL LICENSE
FEE INQUIRIES: 301-415-7554

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1/19/11 - per Roslyn Jones the check was received on 12/27/10
301-415-7300 - phone

U.S.NRC

United States Nuclear Regulatory Commission

Protecting People and the Environment

Quarter Period: **10/01/2010 - 09/30/2011**

Cost Accumulated through: **12/31/2010**

Vendor:

METRO ST LOUIS SEWER

10 EAST GRAND AVENUE
SAINT LOUIS, MO 63147

Remit To:

Office of the Chief Financial Officer

U.S. Nuclear Regulatory Commission
P.O. Box 979051
St. Louis, MO 63197

Bills for Period:

BD Number	Date	Due Date	Amount	Docket
LFB 11-0717	Dec 28, 2010	Jan 27, 2011	$320.00	705439

If there are any questions, contact (301) 415-7338. For NRC debt collection procedures, including interest and penalty provisions, see 31 U.S.C. 3717,4 CFR 101-105, AND 10 CFR 15. Additional terms and conditions are attached.

Payment is due immediately. Make checks payable to The U.S. Nuclear Regulatory Commission. Interest will accrue from the invoice date at an annual percentage rate of 1%. Please remember to reference the invoice number on the remittance.

BT-OTHER-2010_12-COR-NRC-FEE

Billing Details:

Docket #: **705439** **License #:** **705439**

PART 170:

Flat Application Fees Outstanding:

LFB 11-0717	Jan 27, 2011	**3Q**	$320.00
		Total	**$320.00**

Total for License/Docket: **$320.00**

Remittance Information:

Remit To: Office of the Chief Financial Officer
U.S. Nuclear Regulatory Commission
P.O. Box 979051
St. Louis, MO 63197

BD Number	Due Date	Amount	Docket	Total Due
LFB 11-0717	Jan 27, 2011	$320.00	705439	$320.00

This form serves as a certification used to identify a small entity, and is exempt from Office of Management and Budget clearance. 5 C.F.R. 1320.3(h)(1).

NRC FORM 526
(10-2010)
10 CFR 171

U.S. NUCLEAR REGULATORY COMMISSION

CERTIFICATION OF SMALL ENTITY STATUS FOR THE PURPOSES OF ANNUAL FEES IMPOSED UNDER 10 CFR PART 171 FY 2011

If you have QUESTIONS, e-mail them to: fees.resource@nrc.gov

SEE IMPORTANT INSTRUCTIONS FOR NRC FORM 526 ON PAGE 2 -- PLEASE READ CAREFULLY
DO NOT COMPLETE OR RETURN THIS FORM IF YOU DO NOT QUALIFY AS A SMALL ENTITY

NAME AND ADDRESS OF LICENSEE *(as it appears on the invoice)*:	INVOICE NUMBER	BUSINESS TELEPHONE NUMBER
	DOCKET NUMBER	CONTACT NAME
EMAIL ADDRESS	COMPANY WEBSITE ADDRESS www.	CONTACT TELEPHONE NUMBER

SIZE STANDARDS (Select one box below, and only one, under which the entity qualifies as a small entity). (Check only A or B in that box)		MAXIMUM ANNUAL FEE PER LICENSED CATEGORY (See Items 2 and 3 on back)
1. SMALL BUSINESS A for-profit concern that is not engaged in manufacturing with average gross receipts of $6.5 million or less over its last 3 completed fiscal years. For further information see 1a and 1b of attached instructions.	☐ A. $450,000 TO $6,500,000 ☐ B. LESS THAN $450,000	$ 1,900 $ 400
2. MANUFACTURING INDUSTRY A manufacturing concern with an average number of 500 or fewer employees based upon employment during each pay period for the preceding 12 calendar months. NAICS BUSINESS CODE (See 1b and 1e of attached instructions):	☐ A. 35 to 500 EMPLOYEES ☐ B. LESS THAN 35 EMPLOYEES	$ 1,900 $ 400
3. SMALL ORGANIZATION A not-for-profit organization that is independently owned and operated and has annual gross receipts of $6.5 million or less. For futher information see 1a and 1b of attached instructions.	☐ A. $450,000 TO $6,500,000 ☐ B. LESS THAN $450,000	$ 1,900 $ 400
4. SMALL GOVERNMENTAL JURISDICTION (INCLUDING PUBLICLY SUPPORTED EDUCATIONAL INSTITUTIONS) A government of a city, county, town, township, village, school district, or special district with a population of 50,000 or less. For further information see 1f of attached instructions.	☐ A. 20,000 TO 50,000 POPULATION OF JURISDICTION ☐ B. LESS THAN 20,000 POPULATION OF JURISDICTION	$ 1,900 $ 400
5. SMALL EDUCATIONAL INSTITUTION THAT IS NOT STATE OR PUBLICLY SUPPORTED. Only applicable to such small educational institutions if they have 500 or less employees. For futher information see 1b and 1f of attached instructions.	☐ A. 35 to 500 EMPLOYEES ☐ B. LESS THAN 35 EMPLOYEES	$ 1,900 $ 400

CERTIFICATION

This certification MUST be signed by the owner of the entity named above or an official empowered to act on behalf of the entity.

I certify that the above named NRC licensee qualifies as a small entity under the size standards established by the NRC for its licensees in 10 CFR 2.810. The licensee qualifies as a small entity under the specific size standard indicated above.

WARNING: 18 U.S.C. Section 1001, Act of June 25, 1948, 62 Stat. 749, 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. The submittal of willful false statements is punishable by fine or imprisonment, or both, and for purposes of this certification, may result in revocation or suspension of the license.

I CERTIFY UNDER PENALTY OF PERJURY THAT THE FOREGOING IS TRUE AND CORRECT.	TYPED OR PRINTED NAME AND TITLE	SIGNATURE	DATE

See Instructions on Pages 3 & 4

IMPORTANT INSTRUCTIONS FOR NRC FORM 526 -- PLEASE READ CAREFULLY
DO NOT COMPLETE OR RETURN THIS FORM IF YOU DO NOT QUALIFY AS A SMALL ENTITY

CERTIFICATION OF SMALL ENTITY STATUS FOR THE PURPOSES OF ANNUAL FEES IMPOSED UNDER 10 CFR PART 171 FY 2011

A licensee who qualifies as a small entity under a specific size standard established by the NRC may pay a reduced annual fee by filing the required certification on NRC Form 526, which is on the reverse side of this page. A separate NRC Form 526 is required for each invoice. Licensees who do not qualify under one of the 5 size standards shown on NRC Form 526 should disregard this form.

1. Complete all items on NRC Form 526 as follows: **(NOTE: Incomplete or improperly completed forms will be returned as unacceptable.)**

   - Enter the licensee's name and address exactly as they appear on the invoice. Annotate name and/or address changes for billing purposes on the payment copy of the invoice -- Correcting the name and/or address on NRC Form 526 or on the invoice does not constitute a request to amend the license.
   - Enter the invoice number exactly as it appears on the invoice.
   - Enter the company's business telephone number. Enter the docket number exactly as it appears on the invoice.
   - Enter the contact person's name and email address. Enter the company's website address (if applicable), and the contact person's telephone number.
   - Check the appropriate size standard under which the licensee qualifies as a small entity. Check one box only. Note the following:

     a. A licensee that is a subsidiary of a large entity, including foreign entities, does not qualify as a small entity. The calculation of a firm's size must include the employees or receipts of the parent company and all other affiliates. Affiliation with another concern is based on the power to control whether exercised or not. Such factors as common ownership, common management and identity of interest are indications of affiliation. The affiliated business concerns need not be in the line of business listed in the license.

     b. Gross annual receipts, as used in the size standards, include all revenue received or accrued by your company from all sources, regardless of the form of the revenue, and not solely receipts from licensed activities. Receipts of a for-profit concern not engaged in manufacturing means average gross receipts over its last three completed fiscal years. (For additional information on calculating annual receipts, see 13 C.F.R. 121.104.) By contrast, number of employees of a manufacturing concern is based on employment during each pay period for the preceding 12 calendar months. (For additional information on calculating number of employees, see 13 C.F.R.121.106.)

     c. NRC's size standards on small entity are generally based on the Small Business Administration's regulations (13 C.F.R. Part 121). However, where there is a direct conflict between the Small Business Administration's regulations and NRC regulations on the subject, NRC regulations are applicable to NRC licensees.

     d. The size standards apply to the licensee, not to the individual authorized users who may be listed in the license.

     e. If you are a manufacturer, enter your North American Industry Classification System business code in the narrow, elongated box provided for that purpose under MANUFACTURING INDUSTRY on Form 526. In accordance with the North American Industry Classification System (NAICS), each business is assigned a NAICS business code. If you do not know your NAICS business code it can be obtained on the internet at www.census.gov.

     f. As used in Form 526, "educational institution" means an entity that has education as its primary function; that offers programs accredited by a nationally recognized accrediting agency or association; that is legally authorized to provide a program of organized instruction or study; that provides an educational program for which it awards academic degrees; and that makes its educational programs available to the public.

2. If the invoice states the "Amount Billed Represents 50% Proration," the amount due is not the prorated amount shown on the invoice, but rather one-half of the maximum small entity annual fee shown on NRC Form 526 for the size standard under which the licensee qualifies (either $950 or $200) for each category billed.

3. If the invoice amount is less than the reduced small entity annual fee shown on this form, pay the amount on the invoice; there is no further reduction. In this case, do not file NRC Form 526. However, if the invoice amount is greater than the reduced small entity annual fee, file NRC Form 526 and pay the amount applicable to the size standard you checked on the form.

4. The completed NRC Form 526 must be submitted with the required annual fee payment and the "Payment Copy" of the invoice to the address shown on the invoice.

5. 10 CFR 171.16(c)(3) provides that a licensee must submit a new certification with its annual fee payment each year. A licensee must pay the full amount of the invoice, if the licensee fails to submit NRC Form 526 at the time the annual fee is paid.

NRC Form 526 can be accessed on the NRC's public website at http://www.nrc.gov by clicking on About NRC, Budget & Performance (on drop-down screen), License Fee Program (near bottom of page), and NRC Form 526. Clicking on Form 526 will also provide other relevant information, such as the mailing address to which the completed form and accompanying payment should be sent. In addition, NRC's Materials Annual Fee Billing Handbook, which contains a Small Entity Compliance Guide, is available on NRC's website at http://www.nrc.gov by clicking on, or doing a search at the top of the screen for, NUREG/BR-0238.

To obtain information quickly regarding small entities and annual fees, call (1-800-368-5642) or (1-800-415-7000), which will connect you with an NRC operator. Tell the operator that you wish to be connected with Brenda Brown, who is the small entity contact for the Division of Financial Management, Office of the Chief Financial Officer.

NRC FORM 629 (9-2008)

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED BY OMB: NO. 3150-0190 EXPIRES: 05/31/2011

Estimated burden per response to comply with this voluntary collection request: 5 minutes. Requested information will allow respondents to transfer funds electronically. Send comments regarding burden estimate to the Records and FOIA/Privacy Services Branch (T-5 F53), 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, (3150-0190), 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.

AUTHORIZATION FOR PAYMENT BY CREDIT CARD

The NRC is currently accepting credit card payment of fees and other debts. If you wish to pay by credit card, complete the authorization below. If you have any questions, contact NRC's collection service provider, Department of Interior/National Business Center at 303-969-5880.

NAME OF CARDHOLDER	ACCOUNT NUMBER	CARD EXPIRATION DATE
ADDRESS	CARDS ACCEPTED (Check card you are using) ☐ VISA ☐ MASTERCARD ☐ NOVUS (DISCOVER) ☐ AMERICAN EXPRESS	
TELEPHONE / LICENSE NUMBER	SIGNATURE OF CARDHOLDER	
INVOICE NUMBER OR DESCRIPTION / TOTAL AMOUNT OF TRANSACTION		

If you are paying an application or registration fee (including new licenses, amendments, etc.), mail the completed form with your application to the appropriate regional office.

For all other payments, send completed form to:

U.S. Bank
U.S. Nuclear Regulatory Commission
Accounts Receivable Team
P. O. Box 979051
St. Louis, MO 63197-9000

PRIVACY ACT STATEMENT

Pursuant to 5 U.S.C. 552a(e)(3), enacted into law by Section 3 of the Privacy Act of 1974 (Public Law 93-579), the following statement is furnished to individuals who supply information to the U.S. Nuclear Regulatory Commission (NRC) on NRC Form 629. This information is maintained as part of a system of records designated as NRC-32 and described at 71 Federal Register 59636 (October 10, 2006), or the most recent Federal Register publication of the NRC's "Republication of Systems of Records Notices" that is located in the NRC's Agencywide Documents Access and Management System.

1. **AUTHORITY:** 5 U.S.C. 552a; 5 U.S.C. 5514; 15 U.S.C. 1681; 26 U.S.C. 6103(m)(2); 31 U.S.C. 37, subchapters I and II; 31 U.S.C. 3701(a)(3); 31 U.S.C. 3711; 31 U.S.C. 3716; 31 U.S.C. 3717; 31 U.S.C. 3718; 31 U.S.C. 3720; 42 U.S.C. 2201; 42 U.S.C. 5841; Cash Management Improvement Act Amendments of 1992 (Pub. L. 102-589); Debt Collection Improvement Act of 1996 (Pub. L. 104-134); 31 CFR Chapter IX, Parts 900-904; 10 CFR Parts 15, 16, 170, 171; Executive Order (E.O.) 9397; E.O. 12101; and E.O. 12731.

2. **PRINCIPAL PURPOSE(S):** To collect credit card account information and provide authorization for its use to collect a payment or debt.

3. **ROUTINE USE(S):** In addition to the disclosures permitted under subsection (b) of the Privacy Act, NRC may disclosed information to debt collection contractors or to other Federal agencies for the purpose of collecting and reporting on delinquent debts and to banks enrolled in the Treasury Credit Card Network to collect a payment or debt when the individual has given his or her credit card number for this purpose. Information may be disclosed in accordance with any of the routine uses listed in the Prefatory Statement of General Routine Uses which includes to an appropriate agency in the event the information indicates a violation or potential violation of law; in the course of an administrative or judicial proceeding; to an appropriate agency to the extent relevant and necessary for an NRC decision about you or to the extent relevant and necessary for that agency's decision about you; in the course of discovery under a protective order issued by a court of competent jurisdiction, and in presenting evidence; to a Congressional office to respond to their inquiry made at your request; to NRC-paid experts, consultants, and others under contract with the NRC, on a need-to-know basis; and to appropriate persons and entities for purposes of response and remedial efforts in the event of a suspected or confirmed breach of data from this system of records.

4. **WHETHER DISCLOSURE IS MANDATORY OR VOLUNTARY AND EFFECT ON INDIVIDUAL OF NOT PROVIDING INFORMATION:** Providing this information is voluntary. However, not providing the requested information will not provide the NRC the information and authorization required to use your credit card to collect a payment or debt.

5. **SYSTEM MANAGER(S) AND ADDRESS:** Director, Division of Financial Management, Office of the Chief Financial Officer, U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001.

GL-705439-15
11/09/2010
NRC FORM 664
02 - 2004
10 CFR 31.5

U.S. NUCLEAR REGULATORY COMMISSION

GENERAL LICENSEE REGISTRATION

APPROVED BY OMB: NO. 3150-0198 **EXPIRES: 03/31/2010**

Estimated burden per response to comply with this mandatory collection request: 20 minutes. NRC will use this information to track general licensees and their devices to ensure a higher level of device accountability. 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 to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0000), 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.

Complete all six sections of this registration form. If any of the preprinted information is incorrect, provide the changes in the applicable boxes. USE CAPITAL LETTERS.

General License Registration Number GL-705439-15

SECTION 1 - GENERAL LICENSEE INFORMATION

Enter the company name and the street address/physical location of use for your device(s). For portable devices, specify the primary storage location. Do not use a P.O. Box address.

Company Name: METRO ST LOUIS SEWER

Department: BISSELL POINT TREATMENT

Address Line 1: 10 EAST GRAND AVENUE

Address Line 2:

City: SAINT LOUIS

State: MO Zip Code: 63147 - 2913 -

For NRC Use Only
(Do not write here)
Category:
Packet Receipt Date (MMDDYYYY):
Accession Number:

BT_OTHER_2010_12_APP_NRC GL

SECTION 1 - GENERAL LICENSEE INFORMATION (Continued)

Enter the name, telelphone number and title of the person who is the responsible individual for the device(s).

Last Name: BERTHOLD

First Name: BRET

Middle Initial: A

Telephone: (314) 436-8749

Extension:

Title: OPERATIONS DIV MANAGER

Enter the mailing address where correspondence regarding your device(s) should be sent. This address should be specific to the use or storage location of your device(s).

Department: BISSELL POINT TREATMENT

Address Line 1: 10 EAST GRAND AVENUE

Address Line 2:

City: SAINT LOUIS

State: MO

Zip Code: 63147 - 2913

GL-705439-15
11/09/2010

SECTION 2 - DEVICES SUBJECT TO REGISTRATION

Our records indicate that you have these devices. Please update the information as necessary.

NRC Device Key **663341** **(Internal Control Number)**

Distributor/Distributed By: TN TECHNOLOGIES, INC.

Distributor License Number: L01105

Manufacturer Name: TN TECHNOLOGIES, INC.

Device Model (Not Source Model): 5201

Device Serial Number: B1867

Transfer Date (Receipt Date): 05/15/1992

MM DD YYYY

☐ **Not in possession of device (Also complete Section 4.)**

	Isotope (e.g. AM241)	Activity (e.g. 100)	Unit (e.g. mCi)
1	CS137	100.000000000	mCi
2			
3			
4			
5			
6			

GL-705439-15
11/09/2010

SECTION 2 - DEVICES SUBJECT TO REGISTRATION

Our records indicate that you have these devices. Please update the information as necessary.

NRC Device Key **663342** **(Internal Control Number)**

Distributor/Distributed By: TN TECHNOLOGIES, INC.

Distributor License Number: L01105

Manufacturer Name: TN TECHNOLOGIES, INC.

Device Model (Not Source Model): 5201

Device Serial Number: B1868

Transfer Date (Receipt Date): 05/15/1992

MM DD YYYY

☐ **Not in possession of device (Also complete Section 4.)**

	Isotope (e.g. AM241)	Activity (e.g. 100)	Unit (e.g. mCi)
1	CS137	100.000000000	mCi
2			
3			
4			
5			
6			

GL-705439-15
11/09/2010

SECTION 2 - DEVICES SUBJECT TO REGISTRATION

Our records indicate that you have these devices. Please update the information as necessary.

NRC Device Key **349410** **(Internal Control Number)**

Distributor/Distributed By: TN TECHNOLOGIES, INC.

Distributor License Number: L01105

Manufacturer Name: TN TECHNOLOGIES, INC.

Device Model (Not Source Model): 5203

Device Serial Number: B215

Transfer Date (Receipt Date): 11/15/1987

MM DD YYYY

☐ **Not in possession of device (Also complete Section 4.)**

	Isotope (e.g. AM241)	Activity (e.g. 100)	Unit (e.g. mCi)
1	CS137	2000.000000000	mCi
2			
3			
4			
5			
6			

GL-705439-15
11/09/2010

SECTION 3 - ADDITIONAL DEVICES SUBJECT TO REGISTRATION

Provide information about other devices you have that are subject to registration. Do not report specifically licensed devices.

Manufacturer Name

Initial Transferor Name

Initial Transferor License Number (if known)

Device Model Number (Not Source Model)

Device Serial Number

How acquired and date (e.g., from a distributor/manufacturer, other licensee, other source)?

- ○ Manufacturer/Initial Transferor listed above
- ○ Other General Licensee
- ○ Other Source

Date Transferred: (Received) MM DD YYYY

	Isotope (e.g. AM241)	Activity (e.g. 100)	Unit (e.g. mCi)
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			

GL-705439-15
11/09/2010

SECTION 4 - NOT IN POSSESSION OF DEVICE

Provide information about devices listed in Section 2 or 6, but no longer in your possession.

Part 1

NRC Device Key:
(from Section 2 or 6)

Transfer Date:
MM DD YYYY

Location of the Device:

- ○ Whereabouts Unknown (complete Part 1 only)
- ○ Never Possessed the Device (complete Part 1 only)
- ○ Returned to Manufacturer (complete Part 1 only)
- ○ Transferred to another general licensee (complete Parts 2 and 3)
- ○ Transferred to a Specific Licensee (Not the manufacturer) (complete Part 2)

Part 2 License Number of Recipient (if transferred to a specific licensee):

Company Name:

Department:

Address Line 1:

Address Line 2:

City:

State: Zip Code: -

Part 3 **Enter the name of the individual responsible for this device:**

Last Name:

First Name:

Middle Initial:

Telephone Number:

Extension:

Title:

SECTION 5 - CERTIFICATION

I hereby certify that:

A. All information contained in this registration is true and complete to the best of my knowledge and belief.

B. A physical inventory of the devices subject to registration has been completed, and the device information on this form has been checked against the device labeling.

C. I am aware of the requirements of the general license, provided in 10 CFR 31.5.
(Copies of applicable regulations may be viewed at the NRC website at:
http://www.nrc.gov/reading-rm/doc-collections/cfr)

Bert Berthold 12/22/10

SIGNATURE - RESPONSIBLE INDIVIDUAL (Listed in Section 1) **DATE**

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

SECTION 6 - DEVICES NOT SUBJECT TO REGISTRATION

NRC Device Key: 706910 Manufacturer License No: 07-28762-02G

Manufacturer Name: AGILENT TECHNOLOGIES, INC.

Model Number: G153369576 Serial #: YA646 Transfer Date: 12/15/2003

Isotope: NI63 Activity: 15.000000000 Unit: mCi

NRC Device Key: 772108 Manufacturer License No: 07-28762-02G

Manufacturer Name: AGILENT TECHNOLOGIES, INC.

Model Number: G153369576 Serial #: K2751-0 Transfer Date: 5/15/1996 0

Isotope: NI63 Activity: 15.000000000 Unit: mCi

Buffy Santel

From: Bret A. Berthold
Sent: Wednesday, December 22, 2010 1:47 PM
To: Buffy Santel
Subject: FW: Message from Bissell Admin Office
Attachments: SBissell Ad10122213440.pdf

Attached is a signed copy of the NRC paperwork for our devices. It was mailed today. The check for $320 was also sent in the last check run.

Bret

From: BissellAdminOffice@stlmsd.com [mailto:BissellAdminOffice@stlmsd.com]
Sent: Wednesday, December 22, 2010 1:45 PM
To: Bret A. Berthold
Subject: Message from Bissell Admin Office

UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

January 21, 2010

METRO ST LOUIS SEWER
ATTN: BRET BERTHOLD
BISSELL POINT TREATMENT
10 EAST GRAND AVENUE
SAINT LOUIS, MO 63147-2913

SUBJECT: ACKNOWLEDGMENT LETTER (REFERENCE NO.: GLTS-A-705439)

This letter is to confirm that we have received your response to the registration package for GL-705439-14.

We have completed processing your application request related to the annual registration of certain general licensed devices and have registered your devices. Please note that no further action is required from you at this time. But if you transfer any general licensed device, change address and/or ownership you must notify the NRC in writing within 30 days of any transfer of general licensed device transfer, change in address and/or ownership.

You may wish to refer to the Code of Federal Regulations (CFR), 10 CFR 31.5 or 31.7 as applicable, to find out if there are additional regulatory requirements that you must meet as a General Licensee. If you have any questions regarding your submittal or your responsibilities as a General Licensee please call (301) 415-7894 or visit *www.nrc.gov/materials/medical.html.*

You may submit your device transfer and change notifications to:

Attention: GLTS Project Manager
US Nuclear Regulatory Commission
Office of Federal and State Materials
and Environmental Management Programs
Division of Materials Safety and State Agreements
Washington, DC 20555-001

BT_OTHER_2010_01_PMT_NRC GL

MSD

GL-705439-14
11/09/2009
NRC FORM 664
02 - 2004
10 CFR 31.5

U.S. NUCLEAR REGULATORY COMMISSION

GENERAL LICENSEE REGISTRATION

APPROVED BY OMB: NO. 3150-0198 **EXPIRES: 03/31/2010**

Estimated burden per response to comply with this mandatory collection request: 20 minutes. NRC will use this information to track general licensees and their devices to ensure a higher level of device accountability. 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 to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0000), 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.

Complete all six sections of this registration form. If any of the preprinted information is incorrect, provide the changes in the applicable boxes. USE CAPITAL LETTERS.

General License Registration Number
GL-705439-14

SECTION 1 - GENERAL LICENSEE INFORMATION

Enter the company name and the street address/physical location of use for your device(s). For portable devices, specify the primary storage location. Do not use a P.O. Box address.

Company Name: METRO ST LOUIS SEWER

Department: BISSELL POINT TREATMENT

Address Line 1: 10 EAST GRAND AVENUE

Address Line 2:

City: SAINT LOUIS

State: MO Zip Code: 63147 - 2913 -

For NRC Use Only
(Do not write here)
Category:
Packet Receipt Date (MMDDYYYY):
Accession Number:

BT_OTHER_2009_12_APP_NRC GL

GL-705439-14
11/09/2009

SECTION 1 - GENERAL LICENSEE INFORMATION (Continued)

Enter the name, telelphone number and title of the person who is the responsible individual for the device(s).

Last Name: ~~COPE JR. OR~~
BERTHOLD

First Name: ~~EDWIN~~
BRET

Middle Initial: ~~R~~
A

Telephone: (314) 436-8749

Extension:

Title: OPERATIONS DIV MANAGER

Enter the mailing address where correspondence regarding your device(s) should be sent. This address should be specific to the use or storage location of your device(s).

Department: BISSELL POINT TREATMENT

Address Line 1: 10 EAST GRAND AVENUE

Address Line 2:

City: SAINT LOUIS

State: MO

Zip Code: 63147 - 2913

GL-705439-14

11/09/2009

SECTION 2 - DEVICES SUBJECT TO REGISTRATION

Our records indicate that you have these devices. Please update the information as necessary.

NRC Device Key **663341** **(Internal Control Number)**

Distributor/Distributed By: TN TECHNOLOGIES, INC.

Distributor License Number: L01105

Manufacturer Name: TN TECHNOLOGIES, INC.

Device Model (Not Source Model): 5201

Device Serial Number: B1867

Transfer Date (Receipt Date): 05/15/1992

MM DD YYYY

☐ **Not in possession of device (Also complete Section 4.)**

	Isotope (e.g. AM241)	Activity (e.g. 100)	Unit (e.g. mCi)
1	CS137	100.000000000	mCi
2			
3			
4			
5			
6			

GL-705439-14
11/09/2009

SECTION 2 - DEVICES SUBJECT TO REGISTRATION

Our records indicate that you have these devices. Please update the information as necessary.

NRC Device Key **663342** **(Internal Control Number)**

Distributor/Distributed By: TN TECHNOLOGIES, INC.

Distributor License Number: L01105

Manufacturer Name: TN TECHNOLOGIES, INC.

Device Model (Not Source Model): 5201

Device Serial Number: B1868

Transfer Date (Receipt Date): 05/15/1992

MM DD YYYY

☐ **Not in possession of device (Also complete Section 4.)**

	Isotope (e.g. AM241)	Activity (e.g. 100)	Unit (e.g. mCi)
1	CS137	100.000000000	mCi
2			
3			
4			
5			
6			

GL-705439-14
11/09/2009

SECTION 2 - DEVICES SUBJECT TO REGISTRATION

Our records indicate that you have these devices. Please update the information as necessary.

NRC Device Key **349410** **(Internal Control Number)**

Distributor/Distributed By: TN TECHNOLOGIES, INC.

Distributor License Number: L01105

Manufacturer Name: TN TECHNOLOGIES, INC.

Device Model (Not Source Model): 5203

Device Serial Number: B215

Transfer Date (Receipt Date): 11/15/1987

MM DD YYYY

☐ **Not in possession of device (Also complete Section 4.)**

	Isotope (e.g. AM241)	Activity (e.g. 100)	Unit (e.g. mCi)
1	CS137	2000.000000000	mCi
2			
3			
4			
5			
6			

GL-705439-14
11/09/2009

SECTION 3 - ADDITIONAL DEVICES SUBJECT TO REGISTRATION

Provide information about other devices you have that are subject to registration. Do not report specifically licensed devices.

Manufacturer Name

Initial Transferor Name

Initial Transferor License Number (if known)

Device Model Number (Not Source Model)

Device Serial Number

How acquired and date (e.g., from a distributor/manufacturer, other licensee, other source)?

- ○ Manufacturer/Initial Transferor listed above
- ○ Other General Licensee
- ○ Other Source

Date Transferred: (Received) MM DD YYYY

	Isotope (e.g. AM241)	Activity (e.g. 100)	Unit (e.g. mCi)
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			

GL-705439-14
11/09/2009

SECTION 4 - NOT IN POSSESSION OF DEVICE

Provide information about devices listed in Section 2 or 6, but no longer in your possession.

Part 1

NRC Device Key:
(from Section 2 or 6)

Transfer Date:
MM DD YYYY

Location of the Device:

- ○ Whereabouts Unknown (complete Part 1 only)
- ○ Never Possessed the Device (complete Part 1 only)
- ○ Returned to Manufacturer (complete Part 1 only)
- ○ Transferred to another general licensee (complete Parts 2 and 3)
- ○ Transferred to a Specific Licensee (Not the manufacturer) (complete Part 2)

Part 2 License Number of Recipient (if transferred to a specific licensee):

Company Name:

Department:

Address Line 1:

Address Line 2:

City:

State: Zip Code: -

Part 3 **Enter the name of the individual responsible for this device:**

Last Name:

First Name:

Middle Initial:

Telephone Number: Extension:

Title:

SECTION 5 - CERTIFICATION

I hereby certify that:

A. All information contained in this registration is true and complete to the best of my knowledge and belief.

B. A physical inventory of the devices subject to registration has been completed, and the device information on this form has been checked against the device labeling.

C. I am aware of the requirements of the general license, provided in 10 CFR 31.5.
(Copies of applicable regulations may be viewed at the NRC website at:
http://www.nrc.gov/reading-rm/doc-collections/cfr)

Bret Berthold 12/21/09

SIGNATURE - RESPONSIBLE INDIVIDUAL (Listed in Section 1) **DATE**

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

GL-705439-14
11/09/2009

SECTION 6 - DEVICES NOT SUBJECT TO REGISTRATION

NRC Device Key: 706910 Manufacturer License No: 07-28762-02G
Manufacturer Name: AGILENT TECHNOLOGIES, INC.
Model Number: G153369576 Serial #: YA646 Transfer Date: 12/15/2003
Isotope: NI63 Activity: 15.000000000 Unit: mCi

NRC Device Key: 772108 Manufacturer License No: 07-28762-02G
Manufacturer Name: AGILENT TECHNOLOGIES, INC.
Model Number: G153369576 Serial #: K2751-0 Transfer Date: 5/15/1996 0
Isotope: NI63 Activity: 15.000000000 Unit: mCi

THE METROPOLITAN ST. LOUIS SEWER DISTRICT
2350 MARKET STREET
ST. LOUIS, MISSOURI 63103-2555

CHECK NUMBER

VOUCHER NUMBER	INVOICE NUMBER	VOUCHER DATE	AMOUNTS
AV000133636	11/30/09	091214	310.00
		TOTAL	310.00

WARNING - THIS CHECK HAS THE HIDDEN "VOID" FEATURE

Bank of America

THE METROPOLITAN ST. LOUIS SEWER DISTRICT
2350 MARKET STREET
ST. LOUIS, MISSOURI 63103-2555

CHECK NUMBER 577299

DATE 12-16-09

PAY EXACTLY $*******310 DOLLARS AND 00 CENTS $*******310.00
VOID if not cashed within 90 days

WARRANT APPROVAL

PAY TO THE ORDER OF
U S NUCLEAR REGULATORY COMMI
C/O US BANK (ATTN ACCT REC)
P.O. BOX 979051
ST. LOUIS MO 63197-9000

Karl J. Tymowski

(Two manual signatures required for amounts over $4,999.99)

(Two manual signatures required for amounts over $4,999.99)

BL-705439-14

⑈577299⑈ ⑆081000032⑆ 0034843475 48⑈

Buffy Santel

From: Bret A. Berthold
Sent: Thursday, September 10, 2009 9:12 AM
To: Buffy Santel
Cc: Mike Townley
Subject: RE: Sludge Density Meters

Buffy – We are currently using one of the meters to determine our sludge densities. The other 2 are not being used and could potentially be removed.

Bret

From: Buffy Santel
Sent: Tuesday, September 01, 2009 1:45 PM
To: Bret A. Berthold; Mike Townley
Subject: Sludge Density Meters

Currently the three sludge density meters located at Bissell TP are subject to a general license (registration) under NRC regulations. This involves an annual registration fee that is generally less than $1000/device. NRC is proposing to limit the amount of byproduct material allowed for a general license. This means we would have to apply for a specific license for these devices. The proposed regulation doesn't specifically outline the requirements that would be in a specific license, but you can bet it would be more burdensome than what we are doing now. From my review of the NRC fee schedule, I would expect the annual fees to be more than $1000/device. My question to you is, do we actually use those meters? Is it truly beneficial for us to continue having them?

Buffy C. Santel, P. E.
Metropolitan St. Louis Sewer District
Environmental Compliance
(314) 436-8759

BUFFY, PLEASE
REVIEW & COMMENT
THANKS
JOHN

UNITED STATES
NUCLEAR REGULATORY COMMISSION
OFFICE OF FEDERAL AND STATE MATERIALS
AND ENVIRONMENTAL MANAGEMENT PROGRAMS
WASHINGTON, D.C. 20555

August 5, 2009

SUBJECT: NOTICE OF PUBLICATION OF PROPOSED RULE FOR PUBLIC COMMENT

ADDRESSEES

U.S. Nuclear Regulatory Commission (NRC) general licensees in possession of generally licensed devices containing byproduct materials listed in Appendix E of 10 CFR Part 20, in quantities 1/100 of International Atomic Energy Agency (IAEA) Category 2.

PURPOSE

This is to inform you that the NRC published a proposed rule in the Federal Register, dated August 3, 2009, titled "Limiting the Quantity of Byproduct Material in a Generally Licensed Device." You are receiving this announcement because your company is listed in the NRC's General License Tracking System as possessing one or more generally licensed devices containing byproduct material in excess of 1/100 of IAEA Category 2 (1/10 of IAEA Category 3) threshold values.

A copy of the proposed rule *Federal Register* notice is attached. The NRC is soliciting public comments on the proposed rule.

If you have any questions regarding this correspondence, please contact me at 301-415-7278 or the individual named below. Please note the comment period on the proposed rule ends on October 19, 2009.

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Kevin Hsueh for

Mark R. Shaffer, Director
Division of Intergovernmental Liaison
and Rulemaking
Office of Federal and State Materials
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Enclosure:
Federal Register Notice

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DIVISION OF
ENVIRONMENTAL COMPLIANCE

NUCLEAR REGULATORY COMMISSION

10 CFR Part 31

RIN 3150–AI33

[NRC–2008–0272]

Limiting the Quantity of Byproduct Material in a Generally Licensed Device

AGENCY: Nuclear Regulatory Commission.

ACTION: Proposed rule.

SUMMARY: The U.S. Nuclear Regulatory Commission (NRC) is proposing to amend its regulations to limit the quantity of byproduct material contained in a generally licensed device to below one-tenth (1/10) of the International Atomic Energy Agency (IAEA) Category 3 thresholds. As a result of this amendment, individuals possessing devices with byproduct material meeting or exceeding these thresholds would be required to apply for and obtain a specific license. The NRC is also proposing to further clarify the requirements that apply when a device authorized to be used under the general license is instead held under a specific license. The proposed amendments would also modify the Compatibility Categories contained in the current regulations.

DATES: Submit comments on the rule by October 19, 2009. Submit comments specific to the information collection aspects of this rule by September 2, 2009. Comments received after the above date will be considered if it is practical to do so, but the NRC is able to ensure consideration only for comments received on or before this date.

ADDRESSES: You may submit comments on the rule by any one of the following methods. Please include the Docket ID NRC–2008–0272 in the subject line of your comments. Comments submitted in writing or in electronic form will be posted on the NRC Web site and on the Federal rulemaking Web site *Regulations.gov*. Because your comments will not be edited to remove any identifying or contact information, the NRC cautions you against including any information in your submission that you do not want to be publicly disclosed.

The NRC requests that any party soliciting or aggregating comments received from other persons for submission to the NRC inform those persons that the NRC will not edit their comments to remove any identifying or contact information, and therefore, they should not include any information in their comments that they do not want publicly disclosed.

Federal Rulemaking Web site: Go to *http://www.regulations.gov* and search for documents filed under Docket ID NRC–2008–0272. Address questions about NRC dockets to Carol Gallagher at 301–492–3668, e-mail: *Carol.Gallagher@nrc.gov*.

Mail comments to: Secretary, U.S. Nuclear Regulatory Commission, Washington, DC 20555–0001, ATTN: Rulemakings and Adjudications Staff.

E-mail comments to: Rulemaking.Comments@nrc.gov. If you do not receive a reply e-mail confirming that we have received your comments, contact us directly at 301–415–1677.

Hand-deliver comments to: 11555 Rockville Pike, Rockville, Maryland 20852, between 7:30 a.m. and 4:15 p.m. on Federal workdays. (Telephone 301–415–1677)

Fax comments to: Secretary, U.S. Nuclear Regulatory Commission at 301–415–1101. You may submit comments on the information collections by the methods indicated in the Paperwork Reduction Act Statement.

You can access publicly available documents related to this proposed rule using the following methods:

NRC's Public Document Room (PDR): The public may examine and have copied for a fee publicly available documents at the NRC's PDR, Public File Area O–1 F21, One White Flint North, 11555 Rockville Pike, Rockville, Maryland 20852.

NRC's Agencywide Document Access and Management System (ADAMS): Publicly available documents created or received at the NRC are available electronically at the NRC's Electronic Reading Room at: *http://www.nrc.gov/reading-rm/adams.html*. From this page, the public can gain entry into ADAMS, which provides text and image files of NRC's public documents. If you do not have access to ADAMS or if there are problems in accessing the documents located in ADAMS, contact the NRC's PDR Reference staff at 1–800–397–4209, 301–415–4737, or by e-mail to *PDR.Resource@nrc.gov*.

Federal Rulemaking Web site: Public comments and supporting materials related to this proposed rule can be found at *http://www.regulations.gov* by searching on Docket ID NRC–2008–0272.

FOR FURTHER INFORMATION CONTACT: Solomon Sahle, Office of Federal and State Materials and Environmental Management Programs, U.S. Nuclear Regulatory Commission, Washington, DC 20555–0001, telephone (301) 415–3781, e-mail: *solomon.sahle@nrc.gov*.

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I. Background

Prior to the terrorist attacks of September 11, 2001 (9/11), several national and international efforts were underway to address the potentially significant health and safety hazards posed by uncontrolled sources. These efforts recognized the need for increased control of high-risk radioactive materials to prevent inadvertent and intentional unauthorized access, primarily due to the potential health and safety hazards posed by the uncontrolled material. Following 9/11, these efforts were expanded to include a heightened awareness and increased focus on the need to prevent intentional unauthorized access due to potential malicious acts. These efforts, such as the IAEA Code of Conduct on the Safety and Security of Radioactive Sources (Code of Conduct) concerning Category 1 and Category 2 sources, seek to increase the control over sources to prevent unintended radiation exposure and to prevent malicious acts. Proper security and control measures reduce the likelihood of intentional unauthorized access that could result in this radioactive material being used in radiological dispersal devices (RDD) or in radiological exposure devices (RED).

In June 2002, the Secretary of Energy and the NRC Chairman met to discuss the adequate protection of nuclear materials that could be used in a RDD. At the June meeting, the Secretary of Energy and the NRC Chairman agreed to convene an Interagency Working Group on Radiological Dispersal Devices to address security concerns. In May 2003, the joint U.S. Department of Energy (DOE)/NRC working group issued its

report "Radiological Dispersal Devices: An Initial Study To Identify Radioactive Materials of Greatest Concern and Approaches to Their Tracking, Tagging, and Disposition."

The NRC also supported U.S. Government efforts to establish international guidance for the safety and security of radioactive materials of concern, which resulted in a major revision of the IAEA Code of Conduct. The IAEA Board of Governors approved the revised Code of Conduct in September 2003; it is available on the IAEA Web site at: *http://www-pub.iaea.org/MTCD/publications/PDF/Code-2004_web.pdf*. In particular, the Code of Conduct contains a recommendation that each IAEA Member State develop a national source registry of radioactive sources that includes as a minimum Category 1 and Category 2 radioactive sources as described in Annex 1 of the Code of Conduct. Annex 1 of the Code of Conduct source registry recommendation addressed 16 radionuclides.

The DOE/NRC joint report paralleled the work on the Code of Conduct and the development of IAEA TECDOC–1344, "Categorization of Radioactive Sources." (Section A.4.1 of this document contains a description of the IAEA source categorization system.) The IAEA updated this categorization system for radioactive sources in August 2005, in the IAEA Safety Standards Series No. RS–G–1.9 "Categorization of Radioactive Sources." The Safety Guide is available on the IAEA's Web site at *http://www-pub.iaea.org/MTCD/publications/PDF/Pub1227_web.pdf* and provides the underlying methodology for the development of the Code of Conduct thresholds. The categorization system is based on the potential for sources to cause deterministic effects and uses radionuclide-specific activity levels (D values) as normalizing factors; the D values are used for emergency planning and response. The quantities of concern identified in the May 2003 DOE/NRC report are similar to the IAEA Code of Conduct Category 2 threshold values, and therefore, to allow alignment between domestic and international efforts to increase the safety and security of radioactive sources, the NRC has adopted the Category 2 definitions contained in the IAEA's Code of Conduct. The NRC considers IAEA Category 2 quantities (and higher) to be risk-significant radioactive material that has a potential to result in significant adverse impacts that could reasonably constitute a threat to the public health and safety, the environment, or the common defense and security of the United States (U.S.).

While the various efforts and reviews previously noted in this notice have been ongoing, the NRC also implemented several measures to increase the safety and security of radioactive sources, with particular focus on radioactive sources of concern. These measures included the issuance of increased controls orders to specific licensees who possess IAEA Category 1 and Category 2 radioactive sources (70 FR 72128; December 1, 2005). The orders required these licensees to exercise added control over these sources. In addition, the NRC increased the frequency of inspections to further ensure that there is adequate control of these materials. The NRC also published a final rule in November 2006 that established a National Source Tracking System (NSTS) to provide better accountability and control over Category 1 and Category 2 sources. The NRC proposed, in a separate rulemaking (73 FR 19749; April 11, 2008), to expand the NSTS to include sources equal to, or greater than, 1/10 of the IAEA Category 3 threshold values to address accountability of these sources and concerns over potential malevolent aggregation of these lower activity sources to IAEA Category 2 levels. (**Note:** Sources referred to as "1/10 of Category 3" were formerly referred to as "Category 3.5" sources in these documents. To be consistent with IAEA terminology, the term "Category 3.5" has been changed to "1/10 of Category 3."). The NRC staff evaluated the comments received on this proposed rule and, in SECY–09–0086 dated June 10, 2009, requested approval from the Commission to publish the final rule in the **Federal Register**. Staff's recommendation in SECY–09–0086 was to expand the NSTS to Category 3 sources instead of 1/10 of Category 3. In a Staff Requirements Memorandum (SRM) dated June 30, 2009, the Commission stated that it was unable to reach a decision on the staff's recommendation and therefore did not approve publication of the NSTS Expansion final rule.

During this time, there has been increased concern regarding devices that are currently possessed under NRC's general license (GL) regulatory program. The requirements for general licensees are described in 10 CFR Part 31, "General Domestic Licenses for Byproduct Material." The U.S. Congress and the U.S. Government Accountability Office (GAO) raised concerns regarding the safety and security of radioactive material covered by the GL regulatory system and the Organization of Agreement States (OAS) filed a petition for rulemaking on June 27, 2005 (PRM–31–5), requesting that the NRC strengthen its GL regulatory system. The NRC staff has been considering similar issues, including that under the current GL regulatory system, the NRC and the Agreement States do not have an opportunity to review the purpose of use, adequacy of applicant facilities and equipment, training and experience, and the ability to meet any other applicable requirements for those that possess GL devices. Further, a licensee's loss of control of radioactive sources, whether it be inadvertent or through a deliberate act, could result in significant adverse health impacts, which could constitute a threat to the public health and safety. Thus, the NRC has been considering whether it is appropriate to amend 10 CFR Part 31 to require specific licensing for some materials currently regulated under the GL regulatory system. Limiting the source activity allowed under a GL would result in more specifically licensed devices, which would be regulated under 10 CFR Part 30, "Rules of General Applicability to Domestic Licensing of Radioactive Material."

II. Discussion

In this rulemaking, the NRC is proposing to amend its regulations to limit the quantity of byproduct material allowed in a generally licensed device. The proposed amendment to the NRC's regulations would limit the quantity of certain byproduct material allowed in a generally licensed device to below 1/10 of the IAEA's Category 3 thresholds; licensees with devices containing byproduct material at or above this limit would be required to obtain a specific license (SL). This rulemaking is directed toward improving the safety and security of devices now held under GL containing radioactive sources falling within IAEA Categories 3 through 5 by causing a portion of them to be specifically licensed allowing the remaining portion to continue to be used under general license.

In determining whether to place a limit on the quantity of byproduct material allowed in a generally licensed device, the NRC has considered the need to balance the secure handling and use of the materials without discouraging the beneficial use of GL devices in academic, medical, and industrial applications. Radioactive materials provide critical capabilities in the oil and gas, electrical power, construction, and food industries; are used to treat millions of patients each year in diagnostic and therapeutic

procedures; and are used in technology research and development involving academic, government, and private institutions. These materials are as diverse in geographical location as they are in functional use.

Placing a limit on the quantity of byproduct material allowed in a generally licensed device is part of a comprehensive control program for radioactive materials of greatest concern, as discussed in SECY–07–0147, "Response to U.S. Government Accountability Office Recommendations and Other Recommendations to Address Security Issues in the U.S. Nuclear Regulatory Commission Materials Program," dated August 25, 2007. Although this proposed amendment cannot by itself ensure the physical protection of sources, converting certain devices from use under a GL to use under an SL can provide greater device accountability and, as part of an overall effort in conjunction with other related activities (*e.g.*, potential applicability of the NSTS, Web-based licensing, pre-licensing site visits, and increased controls orders), can improve the control of radioactive sources and protect public health and safety, as well as common defense and security.

This rulemaking also considers the issues raised by the OAS in its June 27, 2005, petition for rulemaking, in which it requested that the NRC revise 10 CFR 31.5 and change the Compatibility Category of 10 CFR 31.6 from "B" to "C." The rulemaking also considers the issues raised by the State of Florida in its June 3, 2005, request to change the Compatibility Category of 10 CFR 31.5(c)(13)(i) from "B" to "C." These issues were docketed by the NRC as PRM–31–5.

The following sections of this statement of considerations discuss the rationale for placing a limit on the quantity of byproduct material in a generally licensed device (Section A) and the NRC's decision on the approach in this proposed amendment (Section B).

A. Rationale for Limiting the Quantity of Byproduct Material in a Generally Licensed Device

A.1 Congressional Concerns/GAO Investigations

The U.S. Senate and the GAO have expressed concerns regarding the safety and security of radioactive sources. In a report by the Permanent Subcommittee on Investigations (PSI), July 12, 2007, the subcommittee expressed concerns about certain U.S. Government practices and procedures for issuing licenses to possess radioactive materials and presented recommendations that would remedy their concerns. The GAO completed two investigations of the security aspects of NRC's materials licensing process, including one in 2007 (GAO–07–1038T, July 12, 2007) on the security of the NRC licensing process. In its report, the GAO raised concerns about the relative ease with which lower activity sources can be purchased and potentially aggregated to higher activity levels.

A.2 Agreement State Issues

Agreement States have also raised concerns about the security and accountability of byproduct materials in generally licensed devices. In its June 27, 2005, petition for rulemaking, the OAS requested that NRC "strengthen the regulation of radioactive materials by requiring a specific license for higher-activity devices that are currently available under the general license in 10 CFR 31.5." Specifically, the petition requested that the NRC amend its regulations to require specific licensing for devices exceeding the registration quantity limits in 10 CFR 31.5(c) (13)(i). Additionally, the OAS requested that NRC revise the compatibility designation of 10 CFR 31.6 from "B" to "C" which would allow States to better track service providers and distributors of generally licensed devices. In addition, the State of Florida also requested a compatibility category change for 10 CFR 31.5(c)(13)(i) from "B" to "C" to allow the State to continue to require registration of other generally licensed devices in addition to those currently registered by the NRC. These petitions were docketed by NRC as PRM–31–5. The NRC requested public comment on PRM–31–5 on December 20, 2005 (70 FR 75423). Four comment letters were received on the petition; the commenters disagreed with using the registration levels to require general licensees to become specific licensees but had differing views on changing the compatibility categories. In considering the petition and the public comments, the NRC decided to consider the concerns and issues raised by OAS and the State of Florida in this rulemaking. By letter dated August 17, 2007, the petitioners were informed of this decision.

A.3 Recent NRC Actions

On April 24, 2006, the NRC staff submitted SECY–06–0094, "Tracking or Providing Enhanced Controls for Category 3 Sources," to the Commission for review. In that paper, the NRC staff proposed initiating a rulemaking that would set activity limits for general licensees at one-half (½) of the IAEA Category 2 threshold and reserve authorization to possess higher activity sources to specific licensees. The staff noted that a benefit of setting such a limit would be greater oversight of these licensees, allowing regulatory bodies the opportunity to perform an assessment of a licensee's legitimacy or any other regulatory activities the Commission determined to be necessary. The NRC staff, in SECY–06–0094, recommended setting the GL limit at ½ of Category 2 because the activity levels in such devices would be close to the Category 2 levels and such a limit would not affect a significant number of licenses.

In response to SECY–06–0094, the Commission, in a Staff Requirements Memorandum (SRM), dated June 9, 2006, approved the staff's plan to amend the GL requirements in 10 CFR 31.5, but disapproved the staff's recommendation to set the limit at ½ of IAEA Category 2. Instead, the Commission approved moving forward to evaluate requiring specific licensing of general licensees possessing devices greater than or equal to 1/10 of the IAEA's Category 3 threshold.

A.4 Considerations Regarding the Need for Placing a Limit on the Quantity of Byproduct Material Allowed in a Generally Licensed Device, and Determining What the "Limit" Should Be

This section briefly describes the IAEA source characterization system (Section A.4.1); the existing GL regulatory system (Section A.4.2); and the specific rationale for revising the existing GL regulatory system to place a limit on the quantity of byproduct material in a generally licensed device (Section A.4.3).

A.4.1 The Five IAEA Categories and the Relative Health and Safety Risk Posed by Sources in Those Categories

The IAEA source categorization scheme includes five categories. These categories are based on the potential for sources to cause health effects to persons exposed to them. Sources in Category 1 are considered to be the most dangerous because they can pose a very high risk to human health if not managed safely and securely. At the lower end of the categorization system, sources in Category 5 are the least dangerous, but even these sources could give rise to doses in excess of the dose limits if not properly controlled. Based on analysis of potential health effects, each of the IAEA Categories contain radioactive material in sealed sources in quantities that can be characterized as follows:

Category 1: Greater than or equal to the Category 1 threshold (*e.g.*, for Cobalt-60 (Co-60): 810 Curies (Ci)); these sources are typically used in irradiators, radiation therapy, and radiothermal generators;

Category 2: Less than the Category 1 threshold but equal to or greater than the Category 2 threshold (which is 1/100 of Category 1; *e.g.*, for Co-60: 8.1 Ci); these sources are typically used in industrial gamma radiography and high and medium dose rate brachytherapy;

Category 3: Less than the Category 2 threshold but equal to or greater than the Category 3 threshold (1/10 of Category 2; *e.g.*, for Co-60: 0.81 Ci); these sources are typically used in fixed industrial gauges involving high activity sources;

Category 4: Less than the Category 3 threshold but equal to or greater than the Category 4 threshold (1/100 of Category 3; *e.g.*, for Co-60: 0.0081 Ci); and

Category 5: Less than the Category 4 threshold down to IAEA exempt quantities.

A.4.2 The Existing GL Regulatory System in 10 CFR Part 31 and Its Rationale

The primary elements of the existing GL regulatory framework are contained in 10 CFR Part 31. A generally licensed device usually consists of byproduct material contained in a sealed source within a shielded housing. The device is designed with inherent radiation safety features so that it can be used by persons with no radiation training or experience. Thus, the GL regulatory program simplifies the licensing process because a case-by-case determination of the adequacy of the radiation training or experience of each user is not necessary. As part of the GL regulatory system, the NRC evaluates the adequacy of generally licensed products by ensuring that manufacturers and distributors of the products (all of whom hold specific licenses) meet the various specific requirements in Subpart B to 10 CFR Part 32. Although there is no limit specified in the existing GL regulatory system regarding the quantity of byproduct material that can be allowed in a device and still continue to be generally licensed, at this time all of the generally licensed devices are in IAEA Categories 3 through 5 (*i.e.*, there are no Category 1 or Category 2 generally licensed devices currently in existence).

As part of the current GL regulatory system, 10 CFR 31.5 contains requirements that certain generally licensed devices containing byproduct material in quantities above "registration" levels listed in 10 CFR 31.5(c)(13)(i) must be registered annually with the NRC. There are about 1,200 general licensees possessing such devices who are currently registered with the NRC. The radionuclides listed in 10 CFR 31.5(c)(13)(i) are Co-60, Cesium-137, Strontium-90, Radium-226, Americium-241, and any other transuranics. As an example, the registration level for Co-60 is 0.001 Ci; which falls in the IAEA Category 5 range and is approximately 1/1000 of the IAEA Category 3 threshold for Co-60 (and approximately 1/10 of the Category 4 threshold).

The GL registration program was initiated in rule amendments finalized on August 4, 1999 (64 FR 42269), and December 18, 2000 (65 FR 79162). As noted in the **Federal Register** notice (FRN) for the August 4, 1999, rulemaking, the GL registration program is primarily intended to ensure that general licensees are aware of and understand the requirements for the possession of devices containing byproduct materials, and that such devices are maintained and transferred properly and not inadvertently discarded. In initiating the GL registration program, the NRC noted that it was most concerned about generally licensed devices that had not been handled or disposed of properly and believed that if general licensees were made aware of their responsibilities, they would be more likely to comply with the requirements for proper handling and disposal of generally licensed devices. Additional compliance with these requirements would help reduce the potential for incidents, including those related to sources not disposed of properly and accidently melted in steel mills, which can cause unnecessary radiation exposure and property contamination.

A.4.3. Rationale for Revising the Existing GL Regulatory System and Placing a Limit on the Quantity of Radioactivity Allowed in a Generally Licensed Device

In preparing this proposed rule, the NRC has determined that there is a need to enhance the security and accountability for devices with certain lower activity sources. The issues the NRC considered in this rulemaking include:

(1) Whether to modify the existing GL regulatory system by placing a limit on the quantity of byproduct material allowed in generally licensed devices; and

(2) The appropriate value for the limit, *i.e.*, should the limit be set at 1/10 of the IAEA Category 3 threshold (as suggested in the June 9, 2006 SRM) or should it be set lower to include devices that are above the current registration levels which are at a level approximately 1/1000 of the IAEA Category 3 threshold (as suggested in the June 27, 2005 OAS petition for rulemaking).

The rationale for modifying the existing GL regulatory system and a discussion of the selection of the 1/10 of Category 3 threshold are provided in Sections A.4.3.1 and A.4.3.2, respectively, of this document.

A.4.3.1 Rationale for Revising the GL Regulatory System To Require Generally Licensed Devices Above a Certain Limit To Become Specific Licenses

As part of its overall process, the NRC evaluated its current GL regulatory system, as described in Section A.4.2 of this document, and found that the relatively few administrative or operational regulatory constraints (mainly as a result of the safety features incorporated into their design), imposed on GL devices raise a number of concerns about security vulnerabilities. Under the current GL regulatory system, a general licensee would not be subject to the same regulatory controls (*i.e.*, pre-licensing reviews, inspection, safety and security requirements) as specific licensees possessing similar quantities of radioactive material. Placing certain generally licensed devices under the SL process would subject them to elements of oversight that are not part of the GL process, including the license application and review process, and more routine inspections and elements of security requirements. The SL regulatory controls would improve not only the ability to prevent any theft or diversion of these materials, but would also help prevent or detect any inadvertent loss of such devices that could potentially impact public health and safety.

Further, requiring a specific license for some generally licensed devices would provide an opportunity for a detailed review of the radioactive materials program proposed by an applicant, an opportunity for oral and written dialogue with the applicant, and a regulatory decision as to whether to grant the license as requested, or if certain modifications are necessary. Specifically, this amendment would allow for a more rigorous screening of applicants through pre-licensing visits to the proposed location of licensed activities (currently under consideration); a more efficient licensing process to facilitate the rapid communication between regulators regarding the legitimacy of a given entity; and other potential

enhancements to the specific licensing process.

The NRC does not routinely perform inspections of general licensees. Inspections of general licensees are only performed in certain circumstances, such as when there are indications of unsafe practices by the general licensees. By converting certain general licensees to specific licensees, the effectiveness of any applicable safety and security measures could be accurately determined in a more timely manner if needed. The SL inspection program is implemented by the NRC and Agreement States in a risk-informed manner (*e.g.*, inspection frequency is commensurate with the scope and complexity of the licensed activity and the quantity and type/form of radioactive material authorized by the license) and by use of performance-based inspections, which focus on the program outcomes achieved by the licensee and then probe (through interview, observation, and reviews of selected records) where needed and appropriate to understand the basis for each outcome.

A.4.3.2 Specific Rationale for Determining the Limit on the Quantity of Radioactivity Allowed in a Generally Licensed Device

As noted in Section A.4.3 of this document, the NRC considered the appropriate value to limit the quantity of byproduct material allowed in a generally licensed device. The Commission's June 9, 2006 SRM directed the staff to evaluate specific licensing at 1/10 of the IAEA Category 3 thresholds, whereas the OAS, in its June 27, 2005 petition, requested that the limit be set at a lower level to include devices that are at or above the current registration levels (approximately 1/1000 of the IAEA Category 3 threshold). Considerations as to what level to set the limit are based on the potential for aggregation to higher activity quantities of concern and also on the additional resource burden placed on licensees and on the regulatory bodies which would result from such an amendment.

A.4.3.2.1 Potential for Aggregation to Higher IAEA Categories of Concern for Devices With Sources at or Above 1/10 of the IAEA Category 3 Thresholds

Converting certain devices with sources that are equal to or greater than 1/10 of Category 3 to specific licenses would involve sources in Category 3 itself, as well as a subset of IAEA Category 4 sources (*i.e.*, sources at the "high end" of the Category 4 radioactivity range that are equal to, or greater than, 1/10 of the Category 3 threshold). These two groups are discussed below.

Category 3 sources are defined by IAEA as "dangerous sources"—*i.e.*, sources that could, if not under control, give rise to exposure sufficient to cause severe deterministic effects, and thus even without any aggregation there is rationale for specifically licensing devices with Category 3 sources. Further, devices with Category 3 sources could be easily aggregated to Category 2 levels because they contain sources with activity levels that range from just below the Category 2 threshold down to 1/10 of the Category 2 threshold. Thus, sources at the high end of the range of activities in Category 3 can be at levels just below the threshold of a Category 2 source, meaning that it would take only a few of these devices with such sources to aggregate to Category 2. The major category of licensees who possess devices with Category 3 sources include those with industrial gauges and, because these devices are relatively widespread in use and relatively broadly used in industry, there is potential for aggregation of sufficient numbers of them to Category 2 levels.

With regard to devices with sources that are 1/10 of IAEA Category 3, these are actually a subset of IAEA Category 4 sources that are in the high end of the Category 4 radioactivity range. A principal rationale for including sources at the high-end of the Category 4 range of activities (at 1/10 of Category 3) is the potential that a sufficient number of devices with these higher-activity Category 4 sources could be obtained and aggregated to create the equivalent of Category 2 sources. These "high-end" Category 4 sources can be at levels just below the threshold of a Category 3 source, which is about 1/10 of the threshold of a Category 2 source, meaning that it would require about 10–12 of these devices with such sources to aggregate to Category 2 quantities. Devices with these high-end Category 4 (1/10 Category 3) sources are possessed by similar licensees noted to have Category 3 sources, namely those with industrial gauges, and, as previously noted, are in relatively widespread use and broadly used in industry, thus allowing for the potential for aggregation of sufficient numbers of them to IAEA Category 2 levels.

For Devices With Sources That Are at or Above Registration Levels:

As noted above, the OAS in its June 27, 2005, petition requested that the GL limit be set at a level that would include devices with sources that are at or above the current registration levels, which are approximately 1/1000 of the IAEA Category 3 threshold. The Commission has considered this level, which would include devices with sources in all of the IAEA Category 4 radioactivity range (*i.e.*, including those in the "low-end" of the Category 4 radioactivity range) and also all devices with sources in IAEA Category 5. In general, these categories are so low that hundreds or thousands of devices with such sources would need to be aggregated to constitute a radioactive source in a quantity of concern. In view of the lower likelihood that devices with sources in the lower range of Category 4 or in Category 5 would be aggregated to quantities of concern, the staff believes that the relatively low security risk does not justify the significant regulatory resources and impacts on licensees that would result from specifically licensing devices with sources in the lower Category 4 and Category 5 ranges.

A.4.3.2.2 Consideration of the Additional Resource Burden on Licensees and Regulatory Bodies To Comply With These Proposed Amendments

Requiring certain general licensees to obtain specific licenses would result in increased burden on licensees, and on the NRC and Agreement States, for preparation and review of specific license applications and amendments and for conducting inspections. In the Regulatory Analysis for this rulemaking (see Section X of this document), the Commission provides an analysis of the additional costs and benefits of placing a limit on the quantity of radioactivity allowed in a generally licensed device. A summary of the analysis follows.

For Devices With Sources at or Above 1/10 of the IAEA Category 3 Thresholds:

Limiting the quantity of byproduct material allowed in generally licensed devices to below 1/10 of the IAEA's Category 3 thresholds would result in approximately 280 NRC general licensees being converted to specific licensees (approximately 1400 NRC and Agreement State general licensees). These licensees would now have to follow existing NRC requirements including 10 CFR Parts 19, 20, and 30. The added number of specific licensees would also result in an increase in the regulatory resources that would be devoted to reviewing the new SL applications and inspecting the licensees after the license is issued. However, the NRC and Agreement State resources incurred are not considered significant because the number of additional general licensees that would be converted to specific licensees represent only about 6 percent of the NRC and Agreement States existing population of specific licensees and,

hence, would not result in significant additional NRC and/or Agreement States resource commitment.

For Devices With Sources at or Above Registration Levels:

Limiting the quantity of byproduct material allowed in generally licensed devices to registration levels would result in approximately 1,200 NRC general licensees being converted to specific licensees (approximately 6,000 NRC and Agreement State general licensees), these licensees, possessing Category 4 and upper-end Category 5 sources, would now have to follow existing NRC requirements including 10 CFR Parts 19, 20, and 30. The added number of specific licensees would result in an increase in the regulatory resources that would need to be devoted to reviewing the new SL applications and inspecting the licensees after the license is issued. It is estimated that the number of additional general licensees that would be converted into specific licensees represent about 25 percent of the NRC and Agreement States existing population of specific licensees and, hence, would represent a relatively significant additional NRC and/or Agreement States resource commitment. In view of the lower likelihood that devices with sources in the lower range of Category 4 or in Category 5 would be aggregated to quantities of concern, the staff believes that the relatively low security risk does not justify the significant regulatory resources and impacts on licensees that would result from specifically licensing devices with sources in the lower Category 4 and Category 5 ranges.

B. Decision on Proposed Amendment To Place a Limit on the Quantity of Byproduct Material Allowed in Generally Licensed Devices

Based on the considerations of Section II.A of this document, the NRC has decided to propose amending its regulations by limiting the quantity of byproduct material that can be in a generally licensed device to 1/10 of the IAEA Category 3 threshold. The regulatory text is based on the existing text of Appendix E to 10 CFR Part 20, *i.e.*, with the limit "less than 1/100 of the thresholds listed in Appendix E to 10 CFR Part 20 for Category 2."

The basis for this limit is discussed in Section A of this document. In sum, the NRC believes that the additional security and safety provided by the specific licensing process is necessary to limit the potential for aggregating Category 3 and high-end Category 4 radioactive sources to IAEA Category 2 quantities of concern. The NRC believes that the additional burden to licensees and regulatory bodies that would result from the proposed amendments is reasonable because of the enhanced public health and safety and security derived from placing these higher activity generally licensed devices under a greater range of regulatory controls.

The need for this proposed amendment to the GL regulatory system was not foreseen in 1999 and 2000 when NRC issued the rule amendments instituting the GL registration system. As noted in Section A.4.2 of this document, and in the Statements of Considerations for those rule amendments, the principal rationale for the GL registration program was to make general licensees more aware of applicable requirements, hence reducing the potential for improper handling or disposal of devices due to lack of knowledge or inadvertent misuse, and the belief that if general licenses are aware of their responsibilities they will comply with requirements for proper handling and disposal of generally licensed devices. The current rulemaking seeks to reflect the changed domestic and international threat environments, and related U.S. Government-supported international initiatives in the nuclear security area, by setting an upper limit for licensing of generally licensed devices at 1/10 of IAEA Category 3 for certain isotopes listed in Appendix E to 10 CFR Part 20.

The NRC has chosen not to extend this new limit on generally licensed devices down to the 10 CFR 31.5(c)(13)(i) registration levels, as requested by the OAS in its rulemaking petition because it is neither necessary nor appropriate from a source aggregation and cost-benefit basis. The NRC believes that the relatively low security risk posed by lower Category 4 and Category 5 sources does not justify the significant regulatory resources and impacts on licensees that would result from specifically licensing devices with lower Category 4 and Category 5 sources. Instead, the NRC has left the GL registration program as it currently exists for general licensees below the new GL limit because the rationale for instituting the GL registration program in the 1999 and 2000 rule amendments continues to remain valid today. The NRC successfully implemented the GL registration program with 80 to 98 percent of general licensees responding annually with completed registration forms. This rate of registration can be attributed in part to general licensees' enhanced awareness of regulatory reporting, transfer, disposal, and recordkeeping requirements.

Nevertheless, the NRC recognizes the desire on the part of the States supporting the OAS petition to exercise greater control over the actions of their licensees. Therefore, the NRC is proposing to revise the Compatibility Category of 10 CFR 31.5(a) from "B" to "C" and the Compatibility Category of 10 CFR 31.6 from "B" to "C." The OAS stated that these actions were needed to establish a higher national standard of regulation for higher risk generally licensed devices, and to allow retention of a tool used by Agreement States to track the location and movement of device manufacturers and service providers within the State limits. Revising these compatibility categories would provide the Agreement States the flexibility to adopt additional requirements, based on their circumstances and needs. The NRC is also revising the Compatibility Category of 10 CFR 31.5(c)(13)(i) from "B" to "C." Florida stated that this action was necessary to avoid having to relax its existing health, safety, and security controls to be compatible with less stringent national standards in NRC's regulations. Florida also noted that the registering of additional generally licensed devices in Florida does not have direct and significant effect on the transportation of the devices or on their movement into and out of Florida.

C. Specific Licensees and Generally Licensed Devices

The Commission is considering an additional revision to 10 CFR 31.5. This amendment would clarify the applicable requirements when a device that is authorized to be used under the general license in 10 CFR 31.5 is instead held by a licensee under an SL. Currently, a specific licensee may obtain a device approved for use under 10 CFR 31.5 as a specifically licensed device rather than use the authority of the GL. If a device is initially obtained as a generally licensed device, it can later be transferred for use under the SL in accordance with the procedures outlined in 10 CFR 31.5(c)(8)(iii). Some licensees have found it easier to comply with the regulations if all of their radioactive material is covered by the same requirements. Others have used these devices under their SL in order to minimize their fees. The proposed rule would add a new paragraph, 10 CFR 31.5(b)(3), to further clarify that when a device is held under an SL, all terms and conditions of the SL apply, and the requirements in 10 CFR 31.5 do not apply.

The Commission is also considering and may include in the final rule an additional change concerning generally

licensed devices held by specific licensees. The proposal would prohibit specific licensees from possessing generally licensed devices under 10 CFR 31.5 at the same site. Any specific licensee possessing a device generally licensed under 10 CFR 31.5 at a site for which an SL is in place would be required to transfer the device to the authority of their SL. As noted, the possession and use of the device would then be subject to the terms and conditions of the user's SL. Any such device obtained by specific licensees in the future would be required to be obtained as a specifically licensed device. Under these requirements, all licensed material at a site where specifically licensed material is used would be governed by the same set of regulations.

This option to require all such devices to be held under the SL would make the requirements for these devices uniform with the other material held under the SL. All licensed material at a site (where specifically licensed material is used) would be governed by the same set of regulations and accounted for uniformly. The Commission believes that this proposal would reduce confusion and improve compliance with the regulations because a licensee would have to follow only one set of requirements at each site. This proposal would also reduce the number of generally licensed devices that the NRC would need to track.

If this approach is included in the final rule, it is anticipated that the restriction would be limited to devices used at sites covered by the SL. There may be specifically licensed entities, such as large corporations, that hold generally licensed devices at other sites where specifically licensed material is not used. Such operations may be quite independent of the specifically licensed activities. It would be too burdensome to apply the requirements connected with an SL to generally licensed devices at separate sites owned by the same licensed entity.

D. Specific Questions for Comment

The NRC invites comment on its proposal to place a limit on the quantity of byproduct material allowed in generally licensed devices, specifically:

(1) Whether the 1/10 of IAEA Category 3 limit is the appropriate threshold level of byproduct material below which general licenses would still apply;

(2) Whether there should be additional protection against aggregation of sources by either requiring that if the aggregated amount of byproduct material that a general licensee possesses in devices exceeds 1/10 of IAEA Category 3, then the general licensee must obtain an SL, or more simply, by using the IAEA Category 4 threshold level as the limit for the GL;

(3) Whether an even lower threshold limit for requiring licensees to obtain a SL should be used, such as the registration levels in 10 CFR 31.5(c)(13)(i). In providing support for this approach, the NRC is interested in whether there is specific information (*i.e.*, lack of accountability due to generally licensed devices being lost and/or abandoned) that would indicate that the GL registration program as instituted in the 1999 and 2000 rulemakings (see Section II.A.4.2 of this document) is no longer working satisfactorily from the standpoint of protecting the public health and safety from routine use of these devices by general licensees; or

(4) Whether the approach regarding Compatibility Categories laid out in Section II.B of this document, *i.e.*, in which States have flexibility to adopt more rigorous requirements for general licensees, based on their circumstances and needs, can work satisfactorily. In particular, will there be any significant transboundary issues related to this approach or, will such an approach not have direct and significant effect on the transportation of the devices or on their movement in and out of States?

Concerning the proposal discussed in Section C of this document which would prohibit specific licensees from using GL devices under 10 CFR 31.5 and would require these devices to be possessed and used under an SL, the Commission requests comments to assist in its evaluation of the impacts of such a change on specific licensees and on how best to implement the change. Specific questions for comment:

(A) How should this change be applied in the case of devices used by a specific licensee at different locations? Would there be difficulties in determining which devices used by a given entity must be under the specific license, if the applicability of 10 CFR 31.5 were to be determined by the location of use, as suggested?

(B) How much time should be allowed for the specific licensees to transfer their currently held generally licensed GL devices to their SLs? Should devices currently held under the GL only be added to the SL only at the time of license renewal or amendment?

(C) Should the details of the voluntary transfer process in 10 CFR 31.5(c)(8)(iii) become mandatory and be maintained in the regulation to assist the process?

(D) Would there be a significant impact from the applicability of reciprocity requirements in 10 CFR 150.20 for portable gauges currently licensed under 10 CFR 31.5 and equivalent Agreement State regulations that are used in more than one jurisdiction? How would this proposal affect servicers of devices currently operating under the reciprocity provision of 10 CFR 31.6 and equivalent provisions of Agreement States?

(E) Would it be preferable to maintain the applicability of 10 CFR 31.5, but to apply some or all of the terms and conditions of the SLs, *e.g.*, by removing the exemptions in 10 CFR 31.5(c)(10) for those holding an SL?

(F) How much impact would there be to 10 CFR 32.51 licensees and Agreement State equivalent licensees to ensure that they are transferring these devices to entities without an SL?

(G) Should the sealed source and device registration certificates authorizing devices for use under 10 CFR 31.5 and equivalent Agreement State regulations be required to address transfers to both general and specific licensees?

E. Implementation of the Proposed Rule Amendments

The amended regulations would require a specific license for each devices or source containing byproduct material meeting or exceeding 1/10 of the IAEA Category 3 thresholds as listed in Appendix E to 10 CFR Part 20. Additional information regarding implementation of these requirements will be provided as part of guidance for complying with these amended regulations. Examples of information that may be in included in guidance are the types of information needed in a license application; how general licensees would be notified that they need to obtain an SL (*e.g.*, by the regulator or by the manufacturer); how general licensees and/or NRC would identify the quantity of byproduct material in devices; how decay of the source radioactivity levels within generally licensed devices would be identified and considered; and the relationship of the requirements to the sealed sources and device (SS&D) registry.

The rule would become effective 60 days after the final rule is published in the **Federal Register**. Any general licensee that currently possesses generally licensed devices meeting or exceeding 1/10 of the IAEA's Category 3 thresholds would be given an additional 90 days beyond the effective date of the final rule to submit an application for a specific license (*i.e.*, 150 days after the final rule is published in the **Federal Register**).

III. Discussion of Proposed Amendments by Section

10 CFR 31.5(a) General Domestic Licenses for Byproduct Material

The proposed rule would amend 10 CFR 31.5(a) to limit the quantity of byproduct material in generally licensed devices to below 1/10 of the IAEA's Category 3 threshold, for the isotopes listed in Appendix E to 10 CFR Part 20. Licensees who possess devices containing byproduct material meeting or exceeding these thresholds would be required to become specifically licensed, and would become subject to all applicable regulations. Devices containing byproduct material below these thresholds would continue to be generally licensed.

The values corresponding to Category 3 and 1/10 of Category 3 (or 1/100 of Category 2) in Appendix E to 10 CFR Part 20 for byproduct material radionuclides are provided here as information along with the notes to the table.

Radioactive material	Category 3 (TBq)	Category 3 (Ci)	1/10 Category 3 (TBq)	1/10 Category 3 (Ci)
Actinium-227	0.02	0.54	0.002	0.054
Americium-241	0.06	1.6	0.006	0.16
Americium-241/Be	0.06	1.6	0.006	0.16
Californium-252	0.02	0.54	0.002	0.054
Cobalt-60	0.03	0.81	0.003	0.081
Curium-244	0.05	1.4	0.005	0.14
Cesium-137	0.1	2.7	0.01	0.27
Gadolinium-153	1	27	0.1	2.7
Iridium-192	0.08	2.2	0.008	0.22
Plutonium-238	N/A	N/A	N/A	N/A
Plutonium-239/Be	N/A	N/A	N/A	N/A
Polonium-210	0.06	1.6	0.006	0.16
Promethium-147	40	1100	4	110
Radium-226	0.04	1.1	0.004	0.11
Selenium-75	0.2	5.4	0.02	0.54
Strontium-90	1.0	27	0.1	2.7
Thorium-228	N/A	N/A	N/A	N/A
Thorium-229	N/A	N/A	N/A	N/A
Thulium-170	20	540	2	54
Ytterbium-169	0.3	8.1	0.03	0.81

Note: N/A means "not applicable" because Plutonium-238 and Plutonium-239/Be are not byproduct material but are special nuclear material. Thorium-228 and Thorium-229 are source material.

10 CFR 31.5(b)(3)

A clarification concerning the applicable requirements for devices authorized for use under 10 CFR 31.5 but held under specific license would be added.

IV. Criminal Penalties

For the purpose of Section 223 of the Atomic Energy Act (AEA) of 1954, as amended, the Commission is proposing to amend 10 CFR Part 31 under one or more of Sections 161b, 161i, or 161o of the AEA. Willful violations of the rule would be subject to criminal enforcement.

V. Agreement State Compatibility

Under the "Policy Statement on Adequacy and Compatibility of Agreement State Programs" approved by the Commission on June 30, 1997, and published in the **Federal Register** on September 3, 1997 (62 FR 46517), the proposed rule would be a matter of compatibility between the NRC and the Agreement States, thereby providing consistency among the Agreement States and the NRC's requirements. The NRC staff analyzed the proposed rule in accordance with the procedure established in Part III, "Categorization Process for NRC Program Elements," of Handbook 5.9 to Management Directive 5.9, "Adequacy and Compatibility of Agreement State Programs."

As a result of the amendments to 10 CFR 31.5(a) and new section (b)(3), these sections would now be designated as Compatibility Category C. Compatibility Category C are those program elements that do not meet the criteria of Category A or B, but the essential objectives of which an Agreement State should adopt to avoid conflict, duplication, gaps, or other conditions that would jeopardize an orderly pattern in the regulation of agreement material on a national basis. An Agreement State should adopt these essential objectives. After considering the issues associated with the compatibility requirements for 10 CFR 31.5(c)(13)(i), this section would now be designated as Compatibility Category C. After considering the issues associated with the compatibility requirements for 10 CFR 31.6, this section would now be designated as Compatibility Category C.

For the reasons provided in Section B of this document, the NRC is proposing to designate 10 CFR 31.5(a), (b)(3), (c)(13)(i), and 31.6 as Compatibility Category C and, by so doing, Agreement States would have flexibility to adopt additional requirements, based on their circumstances and needs, if necessary. This would also allow Agreement States the flexibility to adopt additional requirements for tracking the movement of service providers and the location of generally licensed devices. Designating 10 CFR 31.5(a) and 31.6 as Compatibility Category C would address the issues and concerns raised by the OAS in their June 2005, petition for rulemaking. Designating 10 CFR 31.5(c)(13)(i) as Compatibility Category C the NRC would address the issues and concerns raised by the State of Florida in their June 2005 request as part of the petition. Considering these issues in this rulemaking action closes the entire petition.

VI. Plain Language

The Presidential Memorandum "Plain Language in Government Writing" published June 10, 1998 (63 FR 31883), directed that the Government's documents be in clear and accessible language. The NRC requests comments on this proposed rule specifically with respect to the clarity and effectiveness of the language used. Comments should be sent to the address listed under the **ADDRESSES** heading.

VII. Voluntary Consensus Standards

The National Technology Transfer Act of 1995 (Pub. L. 104–113) requires that Federal agencies use technical standards

that are developed or adopted by voluntary consensus standards bodies unless the use of such a standard is inconsistent with applicable law or otherwise impractical. In this proposed rule, the NRC would require licensees that possess generally licensed devices with any of the radioactive sources and thresholds specified in the proposed rule to submit an application for a specific license. This action does not constitute the establishment of a standard that contains generally applicable requirements.

VIII. Environmental Impact: Categorical Exclusion

The NRC has determined that this proposed rule is the type of action described as a categorical exclusion in 10 CFR 51.22(c)(3)(iii). Therefore, neither an environmental impact statement nor an environmental assessment has been prepared for this proposed rule.

IX. Paperwork Reduction Act Statement

This proposed rule contains new or amended information collection requirements that are subject to the Paperwork Reduction Act of 1995 (44 U.S.C. 3501 *et seq.*). This rule has been submitted to the Office of Management and Budget (OMB) for review and approval of the information collection requirements.

Type of submission, new or revision: Revision.

The title of the information collection: 10 CFR Part 31, Limiting the Quantity of Byproduct Material in a Generally Licensed Device.

How often the collection is required: Initially during license applications and at license renewals and amendments and other reporting for specific licenses.

Who would be required or asked to report: Licensees in possession of devices containing quantities of byproduct material meeting or exceeding 1/10 of the IAEA Code of Conduct's Category 3 thresholds.

An estimate of the number of annual responses: 2,975 (1,575 responses; 1,400 recordkeepers).

The estimated number of annual respondents: 1,400 (280 NRC; 1,120 Agreement State).

An estimate of the total number of hours needed annually to complete the requirement or request: 31,114.

Abstract: The NRC is proposing to amend its regulations to limit the amount of certain byproduct material in a generally licensed device to below 1/10 of the IAEA Category 3 thresholds. The proposed amendment would require licensees possessing devices meeting or exceeding these thresholds to submit an application for a specific license. The NRC and/or the Agreement States would review such applications and issue licenses as appropriate.

The NRC is seeking public comment on the potential impact of the information collections contained in this proposed rule and on the following issues:

1. Is the proposed information collection necessary for the proper performance of the functions of the NRC, including whether the information would have practical utility?
2. Is the estimate of burden accurate?
3. Is there a way to enhance the quality, utility, and clarity of the information to be collected?
4. How can the burden of the information collection be minimized, including the use of automated collection techniques?

A copy of the OMB clearance package may be viewed free of charge at the NRC Public Document Room, One White Flint North, 11555 Rockville Pike, Room O–1 F21, Rockville, Maryland 20852. The OMB clearance package and rule are available at the NRC Worldwide Web site: *http://www.nrc.gov/public-involve/doc-comment/omb/index.html* for 60 days after the signature date of this notice.

Send comments on any aspect of these proposed information collections, including suggestions for reducing the burden and on the above issues, by September 2, 2009 to the Records and FOIA/Privacy Services Branch (T–5 F52), U.S. Nuclear Regulatory Commission, Washington, DC 20555–0001, or by Internet electronic mail to *INFOCOLLECTS.RESOURCE@NRC.GOV* and to the Desk Officer, Christine Kymn, Office of Information and Regulatory Affairs, NEOB–10202 (3150–0016), Office of Management and Budget, Washington, DC 20503. Comments on the proposed information collections may also be submitted via Federal Rulemaking Web site *http://www.regulations.gov*, Docket ID NRC–2008–0272. Comments received after this date will be considered if it is practical to do so, but assurance of consideration cannot be given to comments received after this date. You may also e-mail comments to *Christine_J_Kymn@omb.eop.gov* or comment by telephone at (202) 395–4638.

Public Protection Notification

The NRC may not conduct or sponsor, and a person is not required to respond to, a request for information or an information collection requirement unless the requesting document displays a currently valid OMB control number.

X. Regulatory Analysis

The Commission has prepared a draft regulatory analysis on this proposed regulation. The analysis examines the costs and benefits of the alternatives considered by the Commission.

The Commission requests public comment on the draft regulatory analysis. Comments may be submitted to the NRC as indicated under the **ADDRESSES** heading. The analysis is available for inspection in the NRC Public Document Room, 11555 Rockville Pike, Rockville, MD 20852, or online at *http://www.regulations.gov*. Single copies of the draft regulatory analysis are available from Solomon Sahle, telephone (301) 415–3781, e-mail: *solomon.sahle@nrc.gov*, of the Office of Federal and State Materials and Environmental Management Programs.

XI. Regulatory Flexibility Certification

In accordance with the Regulatory Flexibility Act of 1980 (5 U.S.C. 605(b)), the Commission certifies that this rule would not, if promulgated, have a significant economic impact on a substantial number of small entities. The proposed rule would affect about 280 NRC licensees and approximately an additional 1,120 Agreement State licensees possessing generally licensed devices with certain byproduct materials meeting or exceeding the 1/10 of IAEA's Category 3 thresholds. Affected licensees include licensees using fixed gauges, x-ray fluorescence density/moisture/level interface gauges, fixed thickness gauges, and any other licensees possessing devices with sources meeting or exceeding these thresholds, some of which may qualify as small business entities as defined by 10 CFR 2.810. However, the proposed rule is not expected to have a significant economic impact on these licensees.

Because of the widely differing conditions under which impacted licensees operate, the NRC is specifically requesting public comment from licensees concerning the impact of the proposed regulation. The NRC particularly desires comment from licensees who qualify as small businesses, specifically as to how the proposed regulation would affect them and how the regulation may be tiered or otherwise modified to impose less stringent requirements on small entities while still adequately protecting the public health and safety. Comments on how the regulation could be modified to take into account the differing needs of

small entities should specifically discuss:

(1) The size of the business and how the proposed regulation would result in a significant economic burden upon it as compared to a larger organization in the same business community;

(2) How the proposed regulation could be further modified to take into account the business's differing needs or capabilities;

(3) The benefits that would accrue, or the detriments that would be avoided, if the proposed regulation was modified as suggested by the commenter;

(4) How the proposed regulation, as modified, would more closely equalize the impact of NRC regulations as opposed to providing special advantages to any individuals or groups; and

(5) How the proposed regulation, as modified, would still adequately protect the public health and safety.

Comments should be submitted as indicated under the **ADDRESSES** heading.

XII. Backfit Analysis

The NRC has determined that the backfit rule does not apply to this proposed rule because the amendments in this rule modify conditions of a general license for byproduct material, and do not involve any provisions that would impose backfits as defined in 10 CFR 50.109, 70.76, 72.62, and 76.76. Therefore, a backfit analysis has not been prepared for this proposed rule.

List of Subjects in 10 CFR Part 31

Byproduct material, Criminal penalties, Labeling, Nuclear materials, Packaging and containers, Radiation protection, Reporting and recordkeeping requirements, Scientific equipment.

For the reasons set out in the notice and under the authority of the Atomic Energy Act of 1954, as amended; the Energy Reorganization Act of 1974, as amended; and 5 U.S.C. 553; the NRC is proposing to adopt the following amendments to 10 CFR Part 31.

PART 31—GENERAL DOMESTIC LICENSES FOR BYPRODUCT MATERIAL

1. The authority citation for part 31 continues to read as follows:

Authority: Secs. 81, 161, 183, 68 Stat. 935, 948, 954, as amended (42 U.S.C. 2111, 2201, 2233); secs. 201, as amended, 202, 88 Stat. 1242, as amended, 1244 (42 U.S.C. 5841, 5842); sec. 1704, 112 Stat. 2750 (44 U.S.C. 3504 note); sec. 651(e), Public Law 109–58, 119 Stat. 806–810 (42 U.S.C. 2014, 2021, 2021b, 2111).

2. In § 31.5, paragraph (a) is revised and paragraph (b)(3) is added to read as follows:

§ 31.5 Certain detecting, measuring, gauging, or controlling devices and certain devices for producing light or an ionized atmosphere.

(a) A general license is hereby issued to commercial and industrial firms and research, educational and medical institutions, individuals in the conduct of their business, and Federal, State or local government agencies to acquire, receive, possess, use or transfer, in accordance with the provisions of paragraphs (b), (c) and (d) of this section, byproduct material contained in devices designed and manufactured for the purpose of detecting, measuring, gauging or controlling thickness, density, level, interface location, radiation, leakage, or qualitative or quantitative chemical composition, or for producing light or an ionized atmosphere, provided that each device contains byproduct material in quantities less than 1/100th of the thresholds listed in Appendix E of 10 CFR Part 20 for Category 2.

(b) * * *

(3) For devices meeting the criteria of this general license, but instead held under the authority of a specific license, all of the terms and conditions of the specific license apply in lieu of the provisions in this general license.

* * * * *

Dated at Rockville, Maryland, this 28th day of July 2009.

For the Nuclear Regulatory Commission.

Andrew L. Bates,

Acting Secretary for the Commission.

[FR Doc. E9–18438 Filed 7–31–09; 8:45 am]

BILLING CODE 7590–01–P

DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 39

[Docket No. FAA–2009–0663; Directorate Identifier 2007–SW–25–AD]

RIN 2120–AA64

Airworthiness Directives; Eurocopter France Model AS 332 C, L, L1, and L2; AS 350 B3; AS 355 F, F1, F2, and N; SA 365 N and N1; AS 365 N2 and N3; SA 366 G1; EC 130 B4; and EC 155B and B1 Helicopters

AGENCY: Federal Aviation Administration (FAA), DOT.

ACTION: Notice of proposed rulemaking (NPRM).

SUMMARY: We propose to adopt a new airworthiness directive (AD) for the specified model helicopters. This proposed AD results from mandatory continuing airworthiness information (MCAI) originated by the European Aviation Safety Agency (EASA), which is the Technical Agent for the Member States of the European Community. The MCAI states that the AD is issued following a manufacturing nonconformity found on one batch of the servo-control caps. With a defective servo-control, rotation of the distributor might not be stopped mechanically since only friction of inner seals holds the distributor sleeve in its position. The proposed AD actions are intended to address the unsafe condition created by a manufacturing nonconformity found on one batch of servo-control caps. If not corrected this condition could cause untimely movements of servo-controls, which are used on main and anti-torque rotors, and lead to the loss of control of the helicopter.

DATES: We must receive comments on this proposed AD by September 2, 2009.

ADDRESSES: You may send comments by any of the following methods:

- *Federal eRulemaking Portal:* Go to *http://www.regulations.gov.* Follow the instructions for submitting comments.
- *Fax:* 202–493–2251.
- *Mail:* U.S. Department of Transportation, Docket Operations, M–30, West Building Ground Floor, Room W12–140, 1200 New Jersey Avenue, SE., Washington, DC 20590.
- *Hand Delivery:* U.S. Department of Transportation, Docket Operations, M–30, West Building Ground Floor, Room W12–140, 1200 New Jersey Avenue, SE., Washington, DC 20590, between 9 a.m. and 5 p.m., Monday through Friday, except Federal holidays.

You may get the service information identified in this proposed AD from American Eurocopter Corporation, 2701 Forum Drive, Grand Prairie, TX 75053–4005, telephone (972) 641–3460, fax (972) 641–3527, or at *http://www.eurocopter.com.*

Examining the Docket: You may examine the AD docket on the Internet at *http://www.regulations.gov* or in person at the Docket Operations office between 9 a.m. and 5 p.m., Monday through Friday, except Federal holidays. The AD docket contains this proposed AD, the economic evaluation, any comments received, and other information. The street address for the Docket Operations office (telephone (800) 647–5527) is in the **ADDRESSES** section. Comments will be available in the AD docket shortly after receipt.

FOR FURTHER INFORMATION CONTACT: Uday Garadi, Aviation Safety Engineer, Regulations and Policy Group, FAA, Rotorcraft Directorate, Fort Worth,

Electronic Code of Federal Regulations
e-CFR™

e-CFR Data is current as of August 20, 2009

Title 10: Energy

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PART 30—RULES OF GENERAL APPLICABILITY TO DOMESTIC LICENSING OF BYPRODUCT MATERIAL

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§ 30.70 Schedule A—Exempt concentrations.
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§ 30.72 Schedule C—Quantities of radioactive materials requiring consideration of the need for an emergency plan for responding to a release.
Appendix A to Part 30—Criteria Relating to Use of Financial Tests and Parent Company Guarantees for Providing Reasonable Assurance of Funds for Decommissioning
Appendix B to Part 30—Quantities[1] of Licensed Material Requiring Labeling
Appendix C to Part 30—Criteria Relating to Use of Financial Tests and Self Guarantees for Providing Reasonable Assurance of Funds for Decommissioning
Appendix D to Part 30—Criteria Relating to Use of Financial Tests and Self-Guarantee for Providing Reasonable Assurance of Funds for Decommissioning by Commercial Companies That Have No Outstanding Rated Bonds
Appendix E to Part 30—Criteria Relating to Use of Financial Tests and Self-Guarantee For Providing Reasonable Assurance of Funds For Decommissioning by Nonprofit Colleges, Universities, and Hospitals

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Authority: Secs. 81, 82, 161, 182, 183, 186, 68 Stat. 935, 948, 953, 954, 955, as amended, sec. 234, 83 Stat. 444, as amended (42 U.S.C. 2111, 2112, 2201, 2232, 2233, 2236, 2282); secs. 201, as amended, 202, 206, 88 Stat. 1242, as amended, 1244, 1246 (42 U.S.C. 5841, 5842, 5846); sec. 1704, 112 Stat. 2750 (44 U.S.C. 3504 note); Energy Policy Act of 2005, Pub. L. No. 109–58, 119 Stat. 549 (2005). Section 30.7 also issued under Pub. L. 95–601, sec. 10, 92 Stat. 2951 as amended by Pub. L. 102–486, sec. 2902, 106 Stat. 3123, (42 U.S.C. 5851). Section 30.34(b) also issued under sec. 184, 68 Stat. 954, as amended (42 U.S.C. 2234). Section 30.61 also issued under sec. 187, 68 Stat. 955 (42 U.S.C. 2237).

General Provisions

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§ 30.1 Scope.

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This part prescribes rules applicable to all persons in the United States governing domestic licensing of byproduct material under the Atomic Energy Act of 1954, as amended (68 Stat. 919), and under title II of the Energy Reorganization Act of 1974 (88 Stat. 1242), and exemptions from the domestic licensing requirements permitted by Section 81 of the Act. This part also gives notice to all persons who knowingly provide to any licensee, applicant, certificate of registration holder, contractor, or subcontractor, components, equipment, materials, or other goods or services, that relate to a licensee's, applicant's or certificate of registration holder's activities subject to this part, that they may be individually subject to NRC enforcement action for violation of §30.10.

[63 FR 1895, Jan. 13, 1998]

§ 30.2 Resolution of conflict.

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The requirements of this part are in addition to, and not in substitution for, other requirements of this chapter. In any conflict between the requirements in this part and a specific requirement in another part of the regulations in this chapter, the specific requirement governs.

[30 FR 8185, June 26, 1965]

§ 30.3 Activities requiring license.

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(a) Except as provided in paragraphs (b)(2), (b)(3), (c)(2), and (c)(3) of this section and for persons exempt as provided in this part and part 150 of this chapter, no person shall manufacture, produce, transfer, receive, acquire, own, possess, or use byproduct material except as authorized in a specific or general license issued in accordance with the regulations in this chapter.

(b)(1) The requirements, including provisions that are specific to licensees, in this part and parts 19, 20, 21, and 71 of this chapter, as well as the additional requirements for specific broad scope, industrial radiography, irradiator, or well logging uses in 10 CFR parts 33, 34, 36, or 39, respectively, shall apply to Government agencies or Federally recognized Indian Tribes on November 30, 2007, when conducting activities under the authority provided by paragraphs (b)(2) and (b)(3) of this section.

(2) A specifically licensed Government agency or Federally recognized Indian Tribe that possesses and uses accelerator-produced radioactive material or discrete sources of radium-226 for which a license amendment is required to authorize the activities in paragraph (a) of this section, may continue to use these materials for uses permitted under this part until the date of the NRC's final licensing determination, provided that the licensee submits an amendment application on or before June 2, 2008.

(3) A Government agency or Federally recognized Indian Tribe that possesses and uses accelerator-produced radioactive material or discrete sources of radium-226 for which a specific license is required in paragraph (a) of this section, may continue to use such material for uses permitted under this part until the date of the NRC's final licensing determination provided that the agency or Indian Tribe submits an application for a license authorizing activities involving these materials on or before December 1, 2008.

(c)(1) The requirements, including provisions that are specific to licensees in this part and parts 19, 20, 21, and 71 of this chapter, as well as the additional requirements for specific broad scope, industrial radiography, irradiator, or well logging uses in 10 CFR parts 33, 34, 36, or 39, respectively, shall apply to all persons, other than those included in paragraph (b)(1) of this section, on August 8, 2009, or earlier as noticed by the NRC, when conducting activities under the authority provided by paragraphs (c)(2) and (c)(3) of this section.

(2) Except as provided in paragraph (b)(2) of this section, all other licensees, who possess and use accelerator-produced radioactive material or discrete sources of radium-226 for which a license amendment is required to authorize the activities in paragraph (a) of this section, may continue to use these materials for uses permitted under this part until the date of the NRC's final licensing determination, provided that the person submits an amendment application within 6 months from the waiver expiration date of August 7, 2009 or within 6 months from the date of an earlier termination of the waiver as noticed by the NRC, whichever date is earlier.

(3) Except as provided in paragraph (b)(3) of this section, all other persons, who possess and use accelerator-produced radioactive material or discrete sources of radium-226 for which a specific license is required in paragraph (a) of this section, may continue to use such material for uses permitted under this part until the date of the NRC's final licensing determination, provided that the person submits a license application within 12 months from the waiver expiration date of August 7, 2009 or within 12 months from the date of an earlier termination of the waiver as noticed by the NRC, whichever date is earlier.

(d) If a person or licensee is required to file an application for a license or amendment in accordance with paragraphs (b)(2), (b)(3), (c)(2), and (c)(3) of this section, but does not file for the license or

amendment within the required time, the authority provided by paragraphs (b)(2), (b)(3), (c)(2), and (c)(3) of this section to receive or use the accelerator-produced radioactive material or discrete sources of radium-226 shall expire with respect to the person's or licensee's authority to receive and use such byproduct material. This authority shall not expire with respect to the responsibility of the person or licensee regarding the possession of such byproduct material, the decommissioning (including financial assurance) of facilities, or the disposal of such byproduct material.

[72 FR 55924, Oct. 1, 2007]

§ 30.4 Definitions.

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Accelerator-produced radioactive material means any material made radioactive by a particle accelerator.

Act means the Atomic Energy Act of 1954 (68 Stat. 919), including any amendments thereto;

Agreement State means any state with which the Atomic Energy Commission or the Nuclear Regulatory Commission has entered into an effective agreement under subsection 274b. of the Act. *Non-agreement State* means any other State;

Alert means events may occur, are in progress, or have occurred that could lead to a release of radioactive material but that the release is not expected to require a response by offsite response organizations to protect persons offsite.

Byproduct material means—

(1) Any radioactive material (except special nuclear material) yielded in, or made radioactive by, exposure to the radiation incident to the process of producing or using special nuclear material;

(2)(i) Any discrete source of radium-226 that is produced, extracted, or converted after extraction, before, on, or after August 8, 2005, for use for a commercial, medical, or research activity; or

(ii) Any material that—

(A) Has been made radioactive by use of a particle accelerator; and

(B) Is produced, extracted, or converted after extraction, before, on, or after August 8, 2005, for use for a commercial, medical, or research activity; and

(3) Any discrete source of naturally occurring radioactive material, other than source material, that—

(i) The Commission, in consultation with the Administrator of the Environmental Protection Agency, the Secretary of Energy, the Secretary of Homeland Security, and the head of any other appropriate Federal agency, determines would pose a threat similar to the threat posed by a discrete source of radium-226 to the public health and safety or the common defense and security; and

(ii) Before, on, or after August 8, 2005, is extracted or converted after extraction for use in a commercial, medical, or research activity.

Commencement of construction means any clearing of land, excavation, or other substantial action that would adversely affect the natural environment of a site but does not include changes desirable for the temporary use of the land for public recreational uses, necessary borings to determine site characteristics or other preconstruction monitoring to establish background information related to the suitability of a site or to the protection of environmental values.

Commission means the Nuclear Regulatory Commission and its duly authorized representatives;

Consortium means an association of medical use licensees and a PET radionuclide production facility in the same geographical area that jointly own or share in the operation and maintenance cost of the PET

radionuclide production facility that produces PET radionuclides for use in producing radioactive drugs within the consortium for noncommercial distributions among its associated members for medical use. The PET radionuclide production facility within the consortium must be located at an educational institution or a Federal facility or a medical facility.

Curie means that amount of radioactive material which disintegrates at the rate of 37 billion atoms per second;

Cyclotron means a particle accelerator in which the charged particles travel in an outward spiral or circular path. A cyclotron accelerates charged particles at energies usually in excess of 10 megaelectron volts and is commonly used for production of short half-life radionuclides for medical use.

Decommission means to remove a facility or site safely from service and reduce residual radioactivity to a level that permits—

(1) Release of the property for unrestricted use and termination of the license; or

(2) Release of the property under restricted conditions and termination of the license.

Dentist means an individual licensed by a State or Territory of the United States, the District of Columbia, or the Commonwealth of Puerto Rico to practice dentistry.

Department and *Department of Energy* means the Department of Energy established by the Department of Energy Organization Act (Pub. L. 95–91, 91 Stat. 565, 42 U.S.C. 7101 *et seq.*) to the extent that the Department, or its duly authorized representatives, exercises functions formerly vested in the U.S. Atomic Energy Commission, its Chairman, members, officers and components and transferred to the U.S. Energy Research and Development Administration and to the Administrator thereof pursuant to sections 104 (b), (c) and (d) of the Energy Reorganization Act of 1974 (Pub. L. 93–438, 88 Stat. 1233 at 1237, 42 U.S.C. 5814) and retransferred to the Secretary of Energy pursuant to section 301(a) of the Department of Energy Organization Act (Pub. L. 95–91, 91 Stat. 565 at 577–578, 42 U.S.C. 7151).

Discrete source means a radionuclide that has been processed so that its concentration within a material has been purposely increased for use for commercial, medical, or research activities.

Effective dose equivalent means the sum of the products of the dose equivalent to the organ or tissue and the weighting factors applicable to each of the body organs or tissues that are irradiated. Weighting factors are: 0.25 for gonads, 0.15 for breast, 0.12 for red bone marrow, 0.12 for lungs, 0.03 for thyroid, 0.03 for bone surface, and 0.06 for each of the other five organs receiving the highest dose equivalent.

Government agency means any executive department, commission, independent establishment, corporation, wholly or partly owned by the United States of America which is an instrumentality of the United States, or any board, bureau, division, service, office, officer, authority, administration, or other establishment in the executive branch of the Government;

License, except where otherwise specified means a license for by-product material issued pursuant to the regulations in this part and parts 31 through 36 and 39 of this chapter;

Medical use means the intentional internal or external administration of byproduct material or the radiation therefrom to patients or human research subjects under the supervision of an authorized user as defined in 10 CFR part 35.

Microcurie means that amount of radioactive material which disintegrates at the rate of 37 thousand atoms per second;

Millicurie means that amount of radioactive material which disintegrates at the rate of 37 million atoms per second;

Particle accelerator means any machine capable of accelerating electrons, protons, deuterons, or other charged particles in a vacuum and of discharging the resultant particulate or other radiation into a medium at energies usually in excess of 1 megaelectron volt. For purposes of this definition, accelerator is an equivalent term.

Person means: (1) Any individual, corporation, partnership, firm, association, trust, estate, public or

private institution, group, Government agency other than the Commission or the Department, except that the Department shall be considered a person within the meaning of the regulations in this part to the extent that its facilities and activities are subject to the licensing and related regulatory authority of the Commission pursuant to section 202 of the Energy Reorganization Act of 1974 (88 Stat. 1244), any State or any political subdivision of or any political entity within a State, any foreign government or nation or any political subdivision of any such government or nation, or other entity; and (2) any legal successor, representative, agent, or agency of the foregoing;

Physician means a medical doctor or doctor of osteopathy licensed by a State or Territory of the United States, the District of Columbia, or the Commonwealth of Puerto Rico to prescribe drugs in the practice of medicine;

Podiatrist means an individual licensed by a State or Territory of the United States, the District of Columbia, or the Commonwealth of Puerto Rico to practice podiatry.

Principal activities, as used in this part, means activities authorized by the license which are essential to achieving the purpose(s) for which the license was issued or amended. Storage during which no licensed material is accessed for use or disposal and activities incidental to decontamination or decommissioning are not principal activities.

Production facility means production facility as defined in the regulations contained in part 50 of this chapter;

Quantities of Concern means the quantities of the radionuclides meeting or exceeding the threshold limits set forth in Table I–1 of Appendix I of part 73 of this chapter.

Research and development means: (1) Theoretical analysis, exploration, or experimentation; or (2) the extension of investigative findings and theories of a scientific or technical nature into practical application for experimental and demonstration purposes, including the experimental production and testing of models, devices, equipment, materials and processes. "Research and development" as used in this part and parts 31 through 35 does not include the internal or external administration of byproduct material, or the radiation therefrom, to human beings;

Sealed source means any byproduct material that is encased in a capsule designed to prevent leakage or escape of the byproduct material;

Site area emergency means events may occur, are in progress, or have occurred that could lead to a significant release of radioactive material and that could require a response by offsite response organizations to protect persons offsite.

Source material means source material as defined in the regulations contained in part 40 of this chapter;

Special nuclear material means special nuclear material as defined in the regulations contained in part 70 of this chapter;

United States, when used in a geographical sense, includes Puerto Rico and all territories and possessions of the United States;

Utilization facility means a utilization facility as defined in the regulations contained in part 50 of this chapter;

[30 FR 8185, June 26, 1965]

Editorial Note: ForFederal Registercitations affecting §30.4, see the List of CFR Sections Affected, which appears in the Finding Aids section of the printed volume and on GPO Access.

§ 30.5 Interpretations.

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Except as specifically authorized by the Commission in writing, no interpretation of the meaning of the regulations in this part and parts 31 through 36 and 39 by any officer or employee of the Commission

other than a written interpretation by the General Counsel will be recognized to be binding upon the Commission.

[30 FR 8185, June 26, 1965, as amended at 43 FR 6921, Feb. 17, 1978; 52 FR 8241, Mar. 17, 1987; 58 FR 7736, Feb. 9, 1993]

§ 30.6 Communications.

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(a) Unless otherwise specified or covered under the regional licensing program as provided in paragraph (b) of this section, any communication or report concerning the regulations in parts 30 through 36 and 39 of this chapter and any application filed under these regulations may be submitted to the Commission as follows:

(1) By mail addressed: ATTN: Document Control Desk, Director, Office of Federal and State Materials and Environmental Management Programs, U.S. Nuclear Regulatory Commission, Washington, DC 20555–0001.

(2) By hand delivery to the NRC's offices at 11555 Rockville Pike, Rockville, Maryland.

(3) Where practicable, by electronic submission, for example, via Electronic Information Exchange, or CD-ROM. Electronic submissions must be made in a manner that enables the NRC to receive, read, authenticate, distribute, and archive the submission, and process and retrieve it a single page at a time. Detailed guidance on making electronic submissions can be obtained by visiting the NRC's Web site at *http://www.nrc.gov/site-help/ e-submittals.html,* by calling (301) 415–0439, by e-mail to *EIE@nrc.gov,* or by writing the Office of Information Services, U.S. Nuclear Regulatory Commission, Washington, DC 20555–0001. The guidance discusses, among other topics, the formats the NRC can accept, the use of electronic signatures, and the treatment of nonpublic information.

(b) The Commission has delegated to the four Regional Administrators licensing authority for selected parts of its decentralized licensing program for nuclear materials as described in paragraph (b)(1) of this section. Any communication, report, or application covered under this licensing program must be submitted to the appropriate Regional Administrator. The Administrators' jurisdictions and mailing addresses are listed in paragraph (b)(2) of this section.

(1) The delegated licensing program includes authority to issue, renew, amend, cancel, modify, suspend, or revoke licenses for nuclear materials issued pursuant to 10 CFR parts 30 through 36, 39, 40, and 70 to all persons for academic, medical, and industrial uses, with the following exceptions:

(i) Activities in the fuel cycle and special nuclear material in quantities sufficient to constitute a critical mass in any room or area. This exception does not apply to license modifications relating to termination of special nuclear material licenses that authorize possession of larger quantities when the case is referred for action from NRC's Headquarters to the Regional Administrators.

(ii) Health and safety design review of sealed sources and devices and approval, for licensing purposes, of sealed sources and devices.

(iii) Processing of source material for extracting of metallic compounds (including Zirconium, Hafnium, Tantalum, Titanium, Niobium, etc.).

(iv) Distribution of products containing radioactive material to persons exempt pursuant 10 CFR 32.11 through 32.26.

(v) New uses or techniques for use of byproducts, source, or special nuclear material.

(2) *Submissions* —(i) *Region I.* The regional licensing program involves all Federal facilities in the region and non-Federal licensees in the following Region I non-Agreement States and the District of Columbia: Connecticut, Delaware, Maine, Massachusetts, New Jersey, Pennsylvania, and Vermont. All mailed or hand-delivered inquiries, communications, and applications for a new license or an amendment, renewal, or termination request of an existing license specified in paragraph (b)(1) of this section must use the following address: U.S. Nuclear Regulatory Commission, Region I, Nuclear Material Section B, 475 Allendale Road, King of Prussia, Pennsylvania 19406–1415; where e-mail is appropriate it should

be addressed to *RidsRgn1MailCenter@nrc.gov* .

(ii) *Region II.* The regional licensing program involves all Federal facilities in the region and non-Federal licensees in the following Region II non-Agreement States and territories: Virginia, West Virginia, Puerto Rico, and the Virgin Islands. All mailed or hand-delivered inquiries, communications, and applications for a new license or an amendment, renewal, or termination request of an existing license specified in paragraph (b)(1) of this section must use the following address: U.S. Nuclear Regulatory Commission, Region II, Material Licensing/Inspection Branch, Sam Nunn Atlanta Federal Center, Suite 23T85, 61 Forsyth Street, SW, Atlanta, GA 30303–8931; where e-mail is appropriate it should be addressed to *RidsRgn2MailCenter@nrc.gov* .

(iii) *Region III.* The regional licensing program involves all Federal facilities in the region and non-Federal licensees in the following Region III non-Agreement States: Indiana, Michigan, Minnesota, Missouri, Ohio, and Wisconsin. All mailed or hand-delivered inquiries, communications, and applications for a new license or an amendment, renewal, or termination, request of an existing license specified in paragraph (b)(1) of this section must use the following address: U.S. Nuclear Regulatory Commission, Region III, Material Licensing Section, 2443 Warrenville Road, Suite 210, Lisle, IL 60532–4352; where e-mail is appropriate it should be addressed to *RidsRgn3MailCenter@nrc.gov* .

(iv) *Region IV.* The regional licensing program involves all Federal facilities in the region and non-Federal licensees in the following Region IV non-Agreement States and a territory: Alaska, Hawaii, Montana, Oklahoma, South Dakota, Wyoming, and Guam. All mailed or hand-delivered inquiries, communications, and applications for a new license or an amendment, renewal, or termination request of an existing license specified in paragraph (b)(1) of this section must use the following address: U.S. Nuclear Regulatory Commission, Region IV, Division of Nuclear Materials Safety, 612 E. Lamar Blvd., Suite 400, Arlington, Texas 76011–4125; where e-mail is appropriate, it should be addressed to *RidsRgn4MailCenter@nrc.gov.*

[48 FR 16031, Apr. 14, 1983]

Editorial Note: ForFederal Registercitations affecting §30.6, see the List of CFR Sections Affected, which appears in the Finding Aids section of the printed volume and on GPO Access.

§ 30.7 Employee protection.

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(a) Discrimination by a Commission licensee, an applicant for a Commission license, or a contractor or subcontractor of a Commission licensee or applicant against an employee for engaging in certain protected activities is prohibited. Discrimination includes discharge and other actions that relate to compensation, terms, conditions, or privileges of employment. The protected activities are established in section 211 of the Energy Reorganization Act of 1974, as amended, and in general are related to the administration or enforcement of a requirement imposed under the Atomic Energy Act or the Energy Reorganization Act.

(1) The protected activities include but are not limited to:

(i) Providing the Commission or his or her employer information about alleged violations of either of the statutes named in paragraph (a) introductory text of this section or possible violations of requirements imposed under either of those statutes;

(ii) Refusing to engage in any practice made unlawful under either of the statutes named in paragraph (a) introductory text or under these requirements if the employee has identified the alleged illegality to the employer;

(iii) Requesting the Commission to institute action against his or her employer for the administration or enforcement of these requirements;

(iv) Testifying in any Commission proceeding, or before Congress, or at any Federal or State proceeding regarding any provision (or proposed provision) of either of the statutes named in paragraph (a) introductory text.

(v) Assisting or participating in, or is about to assist or participate in, these activities.

(2) These activities are protected even if no formal proceeding is actually initiated as a result of the employee assistance or participation.

(3) This section has no application to any employee alleging discrimination prohibited by this section who, acting without direction from his or her employer (or the employer's agent), deliberately causes a violation of any requirement of the Energy Reorganization Act of 1974, as amended, or the Atomic Energy Act of 1954, as amended.

(b) Any employee who believes that he or she has been discharged or otherwise discriminated against by any person for engaging in protected activities specified in paragraph (a)(1) of this section may seek a remedy for the discharge or discrimination through an administrative proceeding in the Department of Labor. The administrative proceeding must be initiated within 180 days after an alleged violation occurs. The employee may do this by filing a complaint alleging the violation with the Department of Labor, Employment Standards Administration, Wage and Hour Division. The Department of Labor may order reinstatement, back pay, and compensatory damages.

(c) A violation of paragraphs (a), (e), or (f) of this section by a Commission licensee, an applicant for a Commission license, or a contractor or subcontractor of a Commission licensee or applicant may be grounds for—

(1) Denial, revocation, or suspension of the license.

(2) Imposition of a civil penalty on the licensee, applicant, or a contractor or subcontractor of the licensee or applicant.

(3) Other enforcement action.

(d) Actions taken by an employer, or others, which adversely affect an employee may be predicated upon nondiscriminatory grounds. The prohibition applies when the adverse action occurs because the employee has engaged in protected activities. An employee's engagement in protected activities does not automatically render him or her immune from discharge or discipline for legitimate reasons or from adverse action dictated by nonprohibited considerations.

(e)(1) Each specific licensee, each applicant for a specific license, and each general licensee subject to part 19 shall prominently post the revision of NRC Form 3, "Notice to Employees," referenced in 10 CFR 19.11(c).

(2) The posting of NRC Form 3 must be at locations sufficient to permit employees protected by this section to observe a copy on the way to or from their place of work. Premises must be posted not later than 30 days after an application is docketed and remain posted while the application is pending before the Commission, during the term of the license, and for 30 days following license termination.

(3) Copies of NRC Form 3 may be obtained by writing to the Regional Administrator of the appropriate U.S. Nuclear Regulatory Commission Regional Office listed in appendix D to part 20 of this chapter, by calling (301) 415–7232, via e-mail to *FORMS.Resource@nrc.gov,* or by visiting the NRC's Web site at *http://www.nrc.gov* and selecting forms from the index found on the home page.

(f) No agreement affecting the compensation, terms, conditions, or privileges of employment, including an agreement to settle a complaint filed by an employee with the Department of Labor pursuant to section 211 of the Energy Reorganization Act of 1974, as amended, may contain any provision which would prohibit, restrict, or otherwise discourage an employee from participating in protected activity as defined in paragraph (a)(1) of this section including, but not limited to, providing information to the NRC or to his or her employer on potential violations or other matters within NRC's regulatory responsibilities.

[58 FR 52408, Oct. 8, 1993, as amended at 60 FR 24551, May 9, 1995; 61 FR 6764, Feb. 22, 1996; 68 FR 58803, Oct. 10, 2003; 72 FR 63973, Nov. 14, 2007; 73 FR 30458, May 28, 2008]

§ 30.8 Information collection requirements: OMB approval.

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(a) The Nuclear Regulatory Commission has submitted the information collection requirements contained in this part to the Office of Management and Budget (OMB) for approval as required by the

Paperwork Reduction Act (44 U.S.C. 3501 et seq.). The NRC may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. OMB has approved the information collection requirements contained in this part under control number 3150–0017.

(b) The approved information collection requirements contained in this part appear in §§30.9, 30.11, 30.15, 30.19, 30.20, 30.32, 30.34, 30.35, 30.36, 30.37, 30.38, 30.41, 30.50, 30.51, 30.55, and appendices A, C, D, and E to this part.

(c) This part contains information collection requirements in addition to those approved under the control number specified in paragraph (a) of this section. These information collection requirements and the control numbers under which they are approved are as follows:

(1) In §§30.32, 30.37, and 30.38, NRC Form 313 is approved under control number 3150–0120.

(2) In §30.36, NRC Form 314 is approved under control number 3150–0028.

(3) In §30.34, DOC/NRC Forms AP–1, AP–A, and associated forms are approved under control number 0694–0135.

[49 FR 19625, May 9, 1984, as amended at 59 FR 61780, Dec. 2, 1994; 62 FR 52186, Oct. 6, 1997; 62 FR 63639, Dec. 2, 1997; 63 FR 29541, June 1, 1998; 67 FR 67099, Nov. 4, 2002; 73 FR 78604, Dec. 23, 2008]

§ 30.9 Completeness and accuracy of information.

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(a) Information provided to the Commission by an applicant for a license or by a licensee or information required by statute or by the Commission's regulations, orders, or license conditions to be maintained by the applicant or the licensee shall be complete and accurate in all material respects.

(b) Each applicant or licensee shall notify the Commission of information identified by the applicant or licensee as having for the regulated activity a significant implication for public health and safety or common defense and security. An applicant or licensee violates this paragraph only if the applicant or licensee fails to notify the Commission of information that the applicant or licensee has identified as having a significant implication for public health and safety or common defense and security. Notification shall be provided to the Administrator of the appropriate Regional Office within two working days of identifying the information. This requirement is not applicable to information which is already required to be provided to the Commission by other reporting or updating requirements.

[52 FR 49371, Dec. 31, 1987]

§ 30.10 Deliberate misconduct.

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(a) Any licensee, certificate of registration holder, applicant for a license or certificate of registration, employee of a licensee, certificate of registration holder or applicant; or any contractor (including a supplier or consultant), subcontractor, employee of a contractor or subcontractor of any licensee or certificate of registration holder or applicant for a license or certificate of registration, who knowingly provides to any licensee, applicant, certificate holder, contractor, or subcontractor, any components, equipment, materials, or other goods or services that relate to a licensee's, certificate holder's or applicant's activities in this part, may not:

(1) Engage in deliberate misconduct that causes or would have caused, if not detected, a licensee, certificate of registration holder, or applicant to be in violation of any rule, regulation, or order; or any term, condition, or limitation of any license issued by the Commission; or

(2) Deliberately submit to the NRC, a licensee, certificate of registration holder, an applicant, or a licensee's, certificate holder's or applicant's, contractor or subcontractor, information that the person submitting the information knows to be incomplete or inaccurate in some respect material to the NRC.

(b) A person who violates paragraph (a)(1) or (a)(2) of this section may be subject to enforcement action in accordance with the procedures in 10 CFR part 2, subpart B.

(c) For the purposes of paragraph (a)(1) of this section, deliberate misconduct by a person means an intentional act or omission that the person knows:

(1) Would cause a licensee, certificate of registration holder or applicant to be in violation of any rule, regulation, or order; or any term, condition, or limitation, of any license issued by the Commission; or

(2) Constitutes a violation of a requirement, procedure, instruction, contract, purchase order, or policy of a licensee, certificate of registration holder, applicant, contractor, or subcontractor.

[63 FR 1896, Jan. 13, 1998]

Exemptions

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§ 30.11 Specific exemptions.

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(a) The Commission may, upon application of any interested person or upon its own initiative, grant such exemptions from the requirements of the regulations in this part and parts 31 through 36 and 39 of this chapter as it determines are authorized by law and will not endanger life or property or the common defense and security and are otherwise in the public interest.

(b) Any licensee's activities are exempt from the requirements of this part to the extent that its activities are licensed under the requirements of part 72 of this chapter.

(c) The Department of Energy is exempt from the requirements of this part to the extent that its activities are subject to the requirements of part 60 or 63 of this chapter.

(d) Except as specifically provided in part 61 of this chapter, any licensee is exempt from the requirements of this part to the extent that its activities are subject to the requirements of part 61 of this chapter.

[37 FR 5746, Mar. 21, 1972, as amended at 39 FR 26279, July 18, 1974; 40 FR 8784, Mar. 3, 1975; 43 FR 6921, Feb. 21, 1978; 45 FR 65530, Oct. 3, 1980; 46 FR 13979, Feb. 25, 1981; 47 FR 57480, Dec. 27, 1982; 52 FR 8241, Mar. 17, 1987; 58 FR 7736, Feb. 9, 1993; 66 FR 51838, Oct. 11, 2001; 66 FR 55790, Nov. 2, 2001]

§ 30.12 Persons using byproduct material under certain Department of Energy and Nuclear Regulatory Commission contracts.

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Except to the extent that Department facilities or activities of the types subject to licensing pursuant to section 202 of the Energy Reorganization Act of 1974 are involved, any prime contractor of the Department is exempt from the requirements for a license set forth in sections 81 and 82 of the Act and from the regulations in this part to the extent that such contractor, under his prime contract with the Department manufactures, produces, transfers, receives, acquires, owns, possesses, or uses byproduct material for:

(a) The performance of work for the Department at a United States Government-owned or controlled site, including the transportation of byproduct material to or from such site and the performance of contract services during temporary interruptions of such transportation;

(b) Research in, or development, manufacture, storage, testing or transportation of, atomic weapons or components thereof; or

(c) The use or operation of nuclear reactors or other nuclear devices in a United States Government-owned vehicle or vessel.

In addition to the foregoing exemptions and subject to the requirement for licensing of Department facilities and activities pursuant to section 202 of the Energy Reorganization Act of 1974, any prime contractor or subcontractor of the Department or the Commission is exempt from the requirements for a license set forth in sections 81 and 82 of the Act and from the regulations in this part to the extent that such prime contractor or subcontractor manufacturers, produces, transfers, receives, acquires, owns, possesses, or uses byproduct material under his prime contract or subcontract when the Commission determines that the exemption of the prime contractor or subcontractor is authorized by law; and that, under the terms of the contract or subcontract, there is adequate assurance that the work thereunder can be accomplished without undue risk to the public health and safety.

[40 FR 8784, Mar. 3, 1975, as amended at 43 FR 6921, Feb. 17, 1978]

§ 30.13 Carriers.

top

Common and contract carriers, freight forwarders, warehousemen, and the U.S. Postal Service are exempt from the regulations in this part and parts 31 through 36 and 39 of this chapter and the requirements for a license set forth in section 81 of the Act to the extent that they transport or store byproduct material in the regular course of carriage for another or storage incident thereto.

[37 FR 3985, Feb. 25, 1972, as amended at 43 FR 6921, Feb. 17, 1978; 52 FR 8241, Mar. 17, 1987; 58 FR 7736, Feb. 9, 1993]

§ 30.14 Exempt concentrations.

top

(a) Except as provided in paragraphs (c) and (d) of this section, any person is exempt from the requirements for a license set forth in section 81 of the Act and from the regulations in this part and parts 31 through 36 and 39 of this chapter to the extent that such person receives, possesses, uses, transfers, owns or acquires products or materials containing byproduct material in concentrations not in excess of those listed in §30.70.

(b) This section shall not be deemed to authorize the import of byproduct material or products containing byproduct material.

(c) A manufacturer, processor, or producer of a product or material is exempt from the requirements for a license set forth in section 81 of the Act and from the regulations in this part and parts 31 through 36 and 39 of this chapter to the extent that this person transfers byproduct material contained in a product or material in concentrations not in excess of those specified in §30.70 and introduced into the product or material by a licensee holding a specific license issued by the Commission expressly authorizing such introduction. This exemption does not apply to the transfer of byproduct material contained in any food, beverage, cosmetic, drug, or other commodity or product designed for ingestion or inhalation by, or application to, a human being.

(d) No person may introduce byproduct material into a product or material knowing or having reason to believe that it will be transferred to persons exempt under this section or equivalent regulations of an Agreement State, except in accordance with a license issued under §32.11 of this chapter.

[30 FR 8185, June 26, 1965, as amended at 40 FR 8785, Mar. 3, 1975; 43 FR 6921, Feb. 17, 1978; 52 FR 8241, Mar. 17, 1987; 58 FR 7736, Feb. 9, 1993; 72 FR 58486, Oct. 16, 2007]

§ 30.15 Certain items containing byproduct material.

top

(a) Except for persons who apply byproduct material to, or persons who incorporate byproduct material

into, the following products, or persons who initially transfer for sale or distribution the following products containing byproduct material, any person is exempt from the requirements for a license set forth in section 81 of the Act and from the regulations in parts 20 and 30 through 36 and 39 of this chapter to the extent that such person receives, possesses, uses, transfers, owns, or acquires the following products:

(1) Timepieces or hands or dials containing not more than the following specified quantities of byproduct material and not exceeding the following specified levels of radiation:

(i) 25 millicuries of tritium per timepiece,

(ii) 5 millicuries of tritium per hand,

(iii) 15 millicuries of tritium per dial (bezels when used shall be considered as part of the dial),

(iv) 100 microcuries of promethium 147 per watch or 200 microcuries of promethium 147 per any other timepiece,

(v) 20 microcuries of promethium 147 per watch hand or 40 microcuries of promethium 147 per other timepiece hand,

(vi) 60 microcuries of promethium 147 per watch dial or 120 microcuries of promethium 147 per other timepiece dial (bezels when used shall be considered as part of the dial),

(vii) The levels of radiation from hands and dials containing promethium 147 will not exceed, when measured through 50 milligrams per square centimeter of absorber:

(A) For wrist watches, 0.1 millirad per hour at 10 centimeters from any surface,

(B) For pocket watches, 0.1 millirad per hour at 1 centimeter from any surface,

(C) For any other timepiece, 0.2 millirad per hour at 10 centimeters from any surface.

(viii) 0.037 megabecquerel (1 microcurie) of radium-226 per timepiece in intact timepieces manufactured prior to November 30, 2007.

(2) [Reserved]

(3) Balances of precision containing not more than 1 millicurie of tritium per balance or not more than 0.5 millicurie of tritium per balance part manufactured before December 17, 2007.

(4) [Reserved]

(5) Marine compasses containing not more than 750 millicuries of tritium gas and other marine navigational instruments containing not more than 250 millicuries of tritium gas manufactured before December 17, 2007.

(6) [Reserved]

(7) Ionization chamber smoke detectors containing not more than 1 microcurie (μCi) of americium-241 per detector in the form of a foil and designed to protect life and property from fires.

(8) Electron tubes: *Provided,* That each tube does not contain more than one of the following specified quantities of byproduct material:

(i) 150 millicuries of tritium per microwave receiver protector tube or 10 millicuries of tritium per any other electron tube;

(ii) 1 microcurie of cobalt-60;

(iii) 5 microcuries of nickel-63;

(iv) 30 microcuries of krypton-85;

(v) 5 microcuries of cesium-137;

(vi) 30 microcuries of promethium-147;

And provided further, That the levels of radiation from each electron tube containing byproduct material do not exceed 1 millirad per hour at 1 centimeter from any surface when measured through 7 milligrams per square centimeter of absorber.[1]

[1] For purposes of this paragraph "electron tubes" include spark gap tubes, power tubes, gas tubes including glow lamps, receiving tubes, microwave tubes, indicator tubes, pickup tubes, radiation detection tubes, and any other completely sealed tube that is designed to conduct or control electrical currents.

(9) Ionizing radiation measuring instruments containing, for purposes of internal calibration or standardization, one or more sources of byproduct material: *Provided,* That;

(i) Each source contains no more than one exempt quantity set forth in §30.71, Schedule B, and

(ii) Each instrument contains no more than 10 exempt quantities. For purposes of this paragraph (a)(9), an instrument's source(s) may contain either one type or different types of radionuclides and an individual exempt quantity may be composed of fractional parts of one or more of the exempt quantities in §30.71, Schedule B, provided that the sum of such fractions shall not exceed unity.

(iii) For purposes of this paragraph (a)(9), 0.05 microcurie of americium-241 is considered an exempt quantity under §30.71, Schedule B.

(10) [Reserved]

(b) Any person who desires to apply byproduct material to, or to incorporate byproduct material into, the products exempted in paragraph (a) of this section, or who desires to initially transfer for sale or distribution such products containing byproduct material, should apply for a specific license pursuant to §32.14 of this chapter, which license states that the product may be distributed by the licensee to persons exempt from the regulations pursuant to paragraph (a) of this section.

[31 FR 5316, Apr. 2, 1966]

Editorial Note: ForFederal Registercitations affecting §30.15, see the List of CFR Sections Affected, which appears in the Finding Aids section of the printed volume and on GPO Access.

§ 30.18 Exempt quantities.

top

(a) Except as provided in paragraphs (c) through (e) of this section, any person is exempt from the requirements for a license set forth in section 81 of the Act and from the regulations in parts 30 through 34, 36, and 39 of this chapter to the extent that such person receives, possesses, uses, transfers, owns, or acquires byproduct material in individual quantities, each of which does not exceed the applicable quantity set forth in §30.71, Schedule B.

(b) Any person, who possesses byproduct material received or acquired before September 25, 1971, under the general license then provided in §31.4 of this chapter or similar general license of a State, is exempt from the requirements for a license set forth in section 81 of the Act and from the regulations in parts 30 through 34, 36 and 39 of this chapter to the extent that this person possesses, uses, transfers, or owns byproduct material.

(c) This section does not authorize for purposes of commercial distribution the production, packaging, repackaging, or transfer of byproduct material or the incorporation of byproduct material into products intended for commercial distribution.

(d) No person may, for purposes of commercial distribution, transfer byproduct material in the individual quantities set forth in §30.71 Schedule B, knowing or having reason to believe that such quantities of byproduct material will be transferred to persons exempt under this section or equivalent regulations of an Agreement State, except in accordance with a license issued under §32.18 of this chapter, which license states that the byproduct material may be transferred by the licensee to persons exempt under this section or the equivalent regulations of an Agreement State.

(e) No person may, for purposes of producing an increased radiation level, combine quantities of byproduct material covered by this exemption so that the aggregate quantity exceeds the limits set forth in §30.71, Schedule B, except for byproduct material combined within a device placed in use before May 3, 1999, or as otherwise permitted by the regulations in this part.

[35 FR 6427, Apr. 22, 1970, as amended at 36 FR 16898, Aug. 26, 1971; 43 FR 6921, Feb. 17, 1978; 52 FR 8241, Mar. 17, 1987; 58 FR 7736, Feb. 9, 1993; 72 FR 55925, Oct. 1, 2007; 72 FR 58486, Oct. 16, 2007]

§ 30.19 Self-luminous products containing tritium, krypton-85, or promethium-147.

top

(a) Except for persons who manufacture, process, produce, or initially transfer for sale or distribution self-luminous products containing tritium, krypton-85, or promethium-147, and except as provided in paragraph (c) of this section, any person is exempt from the requirements for a license set forth in section 81 of the Act and from the regulations in parts 20 and 30 through 36 and 39 of this chapter to the extent that such person receives, possesses, uses, transfers, owns, or acquires tritium, krypton-85, or promethium-147 in self-luminous products manufactured, processed, produced, or initially transferred in accordance with a specific license issued pursuant to §32.22 of this chapter, which license authorizes the initial transfer of the product for use under this section.

(b) Any person who desires to manufacture, process, or produce self-luminous products containing tritium, krypton-85, or promethium-147, or to transfer such products for use pursuant to paragraph (a) of this section, should apply for a license pursuant to §32.22 of this chapter, which license states that the product may be transferred by the licensee to persons exempt from the regulations pursuant to paragraph (a) of this section or equivalent regulations of an Agreement State.

(c) The exemption in paragraph (a) of this section does not apply to tritium, krypton-85, or promethium-147 used in products primarily for frivolous purposes or in toys or adornments.

[34 FR 9026, June 6, 1969, as amended at 40 FR 8785, Mar. 3, 1975; 43 FR 6921, Feb. 17, 1978; 52 FR 8241, Mar. 17, 1987; 58 FR 7736, Feb. 9, 1993]

§ 30.20 Gas and aerosol detectors containing byproduct material.

top

(a) Except for persons who manufacture, process, produce, or initially transfer for sale or distribution gas and aerosol detectors containing byproduct material, any person is exempt from the requirements for a license set forth in section 81 of the Act and from the regulations in parts 19, 20, and 30 through 36, and 39 of this chapter to the extent that the person receives, possesses, uses, transfers, owns, or acquires byproduct material in gas and aerosol detectors designed to protect life or property from fires and airborne hazards, and manufactured, processed, produced, or initially transferred in accordance with a specific license issued under §32.26 of this chapter, which license authorizes the initial transfer of the product for use under this section. This exemption also covers gas and aerosol detectors manufactured or distributed before November 30, 2007 in accordance with a specific license issued by a State under comparable provisions to §32.26 of this chapter authorizing distribution to persons exempt from regulatory requirements.

(b) Any person who desires to manufacture, process, or produce gas and aerosol detectors containing byproduct material, or to initially transfer such products for use pursuant to paragraph (a) of this section, should apply for a license pursuant to §32.26 of this chapter, which license states that the product may be initially transferred by the licensee to persons exempt from the regulations pursuant to paragraph (a) of this section or equivalent regulations of an Agreement State.

[34 FR 6653, Apr. 18, 1969, as amended at 40 FR 8785, Mar. 3, 1975; 43 FR 6921, Feb. 17, 1978; 52 FR 8241, Mar. 17, 1987; 58 FR 7736, Feb. 9, 1993; 72 FR 55925, Oct. 1, 2007]

§ 30.21 Radioactive drug: Capsules containing carbon-14 urea for "in vivo" diagnostic use for humans.

top

(a) Except as provided in paragraphs (b) and (c) of this section, any person is exempt from the requirements for a license set forth in Section 81 of the Act and from the regulations in this part and part 35 of this chapter provided that such person receives, possesses, uses, transfers, owns, or acquires capsules containing 37 kBq (1 μCi) carbon-14 urea (allowing for nominal variation that may occur during the manufacturing process) each, for "in vivo" diagnostic use for humans.

(b) Any person who desires to use the capsules for research involving human subjects shall apply for and receive a specific license pursuant to part 35 of this chapter.

(c) Any person who desires to manufacture, prepare, process, produce, package, repackage, or transfer for commercial distribution such capsules shall apply for and receive a specific license pursuant to §32.21 of this chapter.

(d) Nothing in this section relieves persons from complying with applicable FDA, other Federal, and State requirements governing receipt, administration, and use of drugs.

[62 FR 63640, Dec. 2, 1997]

Licenses

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§ 30.31 Types of licenses.

top

Licenses for byproduct material are of two types: General and specific.

(a) The Commission issues a specific license to a named person who has filed an application for the license under the provisions of this part and parts 32 through 36, and 39.

(b) A general license is provided by regulation, grants authority to a person for certain activities involving byproduct material, and is effective without the filing of an application with the Commission or the issuance of a licensing document to a particular person. However, registration with the Commission may be required by the particular general license.

[65 FR 79187, Dec. 18, 2000]

§ 30.32 Application for specific licenses.

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(a) A person may file an application on NRC Form 313, "Application for Material License," in accordance with the instructions in §30.6 of this chapter. Information contained in previous applications, statements or reports filed with the Commission or the Atomic Energy Commission may be incorporated by reference, provided that the reference is clear and specific.

(b) The Commission may at any time after the filing of the original application, and before the expiration of the license, require further statements in order to enable the Commission to determine whether the application should be granted or denied or whether a license should be modified or revoked.

(c) Each application shall be signed by the applicant or licensee or a person duly authorized to act for and on his behalf.

(d) An application for license filed pursuant to the regulations in this part and parts 32 through 35 of this chapter will be considered also as an application for licenses authorizing other activities for which licenses are required by the Act, provided that the application specifies the additional activities for which licenses are requested and complies with regulations of the Commission as to applications for such licenses.

(e) Each application for a byproduct material license, other than a license exempted from part 170 of this chapter, shall be accompanied by the fee prescribed in §170.31 of this chapter. No fee will be required to accompany an application for renewal or amendment of a license, except as provided in §170.31 of this chapter.

(f) An application for a license to receive and possess byproduct material for the conduct of any activity which the Commission has determined pursuant to subpart A of part 51 of this chapter will significantly affect the quality of the environment shall be filed at least 9 months prior to commencement of construction of the plant or facility in which the activity will be conducted and shall be accompanied by any Environmental Report required pursuant to subpart A of part 51 of this chapter.

(g) An application for a specific license to use byproduct material in the form of a sealed source or in a device that contains the sealed source must either—

(1) Identify the source or device by manufacturer and model number as registered with the Commission under §32.210 of this chapter, with an Agreement State, or for a source or a device containing radium-226 or accelerator-produced radioactive material with a State under provisions comparable to §32.210 of this chapter; or

(2) Contain the information identified in §32.210(c) of this chapter; or

(3) For sources or devices containing naturally occurring or accelerator-produced radioactive material manufactured prior to November 30, 2007 that are not registered with the Commission under §32.210 of this chapter or with an Agreement State, and for which the applicant is unable to provide all categories of information specified in §32.210(c) of this chapter, the applicant must provide:

(i) All available information identified in §32.210(c) of this chapter concerning the source, and, if applicable, the device; and

(ii) Sufficient additional information to demonstrate that there is reasonable assurance that the radiation safety properties of the source or device are adequate to protect health and minimize danger to life and property. Such information must include a description of the source or device, a description of radiation safety features, the intended use and associated operating experience, and the results of a recent leak test.

(h) As provided by §30.35, certain applications for specific licenses filed under this part and parts 32 through 35 of this chapter must contain a proposed decommissioning funding plan or a certification of financial assurance for decommissioning. In the case of renewal applications submitted before July 27, 1990, this submittal may follow the renewal application but must be submitted on or before July 27, 1990.

(i)(1) Each application to possess radioactive materials in unsealed form, on foils or plated sources, or sealed in glass in excess of the quantities in §30.72, "Schedule C—Quantities of Radioactive Materials Requiring Consideration of the Need for an Emergency Plan for Responding to a Release," must contain either:

(i) An evaluation showing that the maximum dose to a person offsite due to a release of radioactive materials would not exceed 1 rem effective dose equivalent or 5 rems to the thyroid; or

(ii) An emergency plan for responding to a release of radioactive material.

(2) One or more of the following factors may be used to support an evaluation submitted under paragraph (i)(1)(i) of this section:

(i) The radioactive material is physically separated so that only a portion could be involved in an

accident;

(ii) All or part of the radioactive material is not subject to release during an accident because of the way it is stored or packaged;

(iii) The release fraction in the respirable size range would be lower than the release fraction shown §30.72 due to the chemical or physical form of the material;

(iv) The solubility of the radioactive material would reduce the dose received;

(v) Facility design or engineered safety features in the facility would cause the release fraction to be lower than shown in §30.72;

(vi) Operating restrictions or procedures would prevent a release fraction as large as that shown in §30.72; or

(vii) Other factors appropriate for the specific facility.

(3) An emergency plan for responding to a release of radioactive material submitted under paragraph (i)(1)(ii) of this section must include the following information:

(i) *Facility description.* A brief description of the licensee's facility and area near the site.

(ii) *Types of accidents.* An identification of each type of radio-active materials accident for which protective actions may be needed.

(iii) *Classification of accidents.* A classification system for classifying accidents as alerts or site area emergencies.

(iv) *Detection of accidents.* Identification of the means of detecting each type of accident in a timely manner.

(v) *Mitigation of consequences.* A brief description of the means and equipment for mitigating the consequences of each type of accident, including those provided to protect workers onsite, and a description of the program for maintaining the equipment.

(vi) *Assessment of releases.* A brief description of the methods and equipment to assess releases of radioactive materials.

(vii) *Responsibilities.* A brief description of the responsibilities of licensee personnel should an accident occur, including identification of personnel responsible for promptly notifying offsite response organizations and the NRC; also responsibilities for developing, maintaining, and updating the plan.

(viii) *Notification and coordination.* A commitment to and a brief description of the means to promptly notify offsite response organizations and request offsite assistance, including medical assistance for the treatment of contaminated injured onsite workers when appropriate. A control point must be established. The notification and coordination must be planned so that unavailability of some personnel, parts of the facility, and some equipment will not prevent the notification and coordination. The licensee shall also commit to notify the NRC operations center immediately after notification of the appropriate offsite response organizations and not later than one hour after the licensee declares an emergency.[1]

[1] These reporting requirements do not superceed or release licensees of complying with the requirements under the Emergency Planning and Community Right-to-Know Act of 1986, Title III, Pub. L. 99–499 or other state or federal reporting requirements.

(ix) *Information to be communicated.* A brief description of the types of information on facility status, radioactive releases, and recommended protective actions, if necessary, to be given to offsite response organizations and to the NRC.

(x) *Training.* A brief description of the frequency, performance objectives and plans for the training that the licensee will provide workers on how to respond to an emergency including any special instructions and orientation tours the licensee would offer to fire, police, medical and other emergency personnel.

The training shall familiarize personnel with site-specific emergency procedures. Also, the training shall thoroughly prepare site personnel for their responsibilities in the event of accident scenarios postulated as most probable for the specific site, including the use of team training for such scenarios.

(xi) *Safe shutdown.* A brief description of the means of restoring the facility to a safe condition after an accident.

(xii) *Exercises.* Provisions for conducting quarterly communications checks with offsite response organizations and biennial onsite exercises to test response to simulated emergencies. Quarterly communications checks with offsite response organizations must include the check and update of all necessary telephone numbers. The licensee shall invite offsite response organizations to participate in the biennial exercises. Participation of offsite response organizations in biennial exercises although recommended is not required. Exercises must use accident scenarios postulated as most probable for the specific site and the scenarios shall not be known to most exercise participants. The licensee shall critique each exercise using individuals not having direct implementation responsibility for the plan. Critiques of exercises must evaluate the appropriateness of the plan, emergency procedures, facilities, equipment, training of personnel, and overall effectiveness of the response. Deficiencies found by the critiques must be corrected.

(xiii) *Hazardous chemicals.* A certification that the applicant has met its responsibilities under the Emergency Planning and Community Right-to-Know Act of 1986, title III, Pub. L. 99–499, if applicable to the applicant's activities at the proposed place of use of the byproduct material.

(4) The licensee shall allow the offsite response organizations expected to respond in case of an accident 60 days to comment on the licensee's emergency plan before submitting it to NRC. The licensee shall provide any comments received within the 60 days to the NRC with the emergency plan.

(j) An application from a medical facility, educational institution, or Federal facility to produce Positron Emission Tomography (PET) radioactive drugs for noncommercial transfer to licensees in its consortium authorized for medical use under part 35 of this chapter or equivalent Agreement State requirements shall include:

(1) A request for authorization for the production of PET radionuclides or evidence of an existing license issued under part 30 of this chapter or Agreement State requirements for a PET radionuclide production facility within its consortium from which it receives PET radionuclides.

(2) Evidence that the applicant is qualified to produce radioactive drugs for medical use by meeting one of the criteria in §32.72(a)(2) of this chapter.

(3) Identification of individual(s) authorized to prepare the PET radioactive drugs if the applicant is a pharmacy, and documentation that each individual meets the requirements of an authorized nuclear pharmacist as specified in §32.72(b)(2) of this chapter.

(4) Information identified in §32.72(a)(3) of this chapter on the PET drugs to be noncommercially transferred to members of its consortium.

(k) Each applicant for a license for byproduct material shall protect Safeguards Information against unauthorized disclosure in accordance with the requirements in §§73.21, 73.22 and/or 73.23 of this chapter, as applicable.

[30 FR 8185, June 26, 1965, as amended at 36 FR 145, Jan. 6, 1971; 37 FR 5747, Mar. 21, 1972; 43 FR 6922, Feb. 17, 1978; 49 FR 9403, Mar. 12, 1984; 49 FR 27924, July 9, 1984; 52 FR 27786, July 24, 1987; 53 FR 24044, June 27, 1988; 54 FR 14060, Apr. 7, 1989; 68 FR 58004, Oct. 10, 2003; 72 FR 55925, Oct. 1, 2007; 73 FR 63570, Oct. 24, 2008]

§ 30.33 General requirements for issuance of specific licenses.

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(a) An application for a specific license will be approved if:

(1) The application is for a purpose authorized by the Act;

(2) The applicant's proposed equipment and facilities are adequate to protect health and minimize danger to life or property;

(3) The applicant is qualified by training and experience to use the material for the purpose requested in such manner as to protect health and minimize danger to life or property;

(4) The applicant satisfies any special requirements contained in parts 32 through 36 and 39; and

(5) In the case of an application for a license to receive and possess byproduct material for the conduct of any activity which the Commission determines will significantly affect the quality of the environment, the Director, Office of Federal and State Materials and Environmental Management Program or his designee, before commencement of construction of the plant or facility in which the activity will be conducted, on the basis of information filed and evaluations made pursuant to subpart A of part 51 of this chapter, has concluded, after weighing the environmental, economic, technical, and other benefits against environmental costs and considering available alternatives, that the action called for is the issuance of the proposed license, with any appropriate conditions to protect environmental values. Commencement of construction prior to such conclusion shall be grounds for denial of a license to receive and possess byproduct material in such plant or facility. As used in this paragraph the term "commencement of construction" means any clearing of land, excavation, or other substantial action that would adversely affect the environment of a site. The term does not mean site exploration, necessary roads for site exploration, borings to determine foundation conditions, or other preconstruction monitoring or testing to establish background information related to the suitability of the site or the protection of environmental values.

(b) Upon a determination that an application meets the requirements of the Act, and the regulations of the Commission, the Commission will issue a specific license authorizing the possession and use of byproduct material (Form NRC 374, "Byproduct Material License").

[30 FR 8185, June 26, 1965, as amended at 36 FR 12731, July 7, 1971; 37 FR 5747. Mar. 21, 1972; 39 FR 26279, July 18, 1974; 43 FR 6922, Feb. 17, 1978; 49 FR 9403, Mar. 12, 1984; 52 FR 8241, Mar. 17, 1987; 58 FR 7736, Feb. 9, 1993; 73 FR 5717, Jan. 31, 2008]

§ 30.34 Terms and conditions of licenses.

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Link to an amendment published at 73 FR 63570, October 24, 2008.

Link to an amendment published at 74 FR 7785, February 20, 2009.

(a) Each license issued pursuant to the regulations in this part and the regulations in parts 31 through 36 and 39 of this chapter shall be subject to all the provisions of the Act, now or hereafter in effect, and to all valid rules, regulations and orders of the Commission.

(b) No license issued or granted pursuant to the regulations in this part and parts 31 through 36, and 39 nor any right under a license shall be transferred, assigned or in any manner disposed of, either voluntarily or involuntarily, directly or indirectly, through transfer of control of any license to any person, unless the Commission shall, after securing full information, find that the transfer is in accordance with the provisions of the Act and shall give its consent in writing.

(c) Each person licensed by the Commission pursuant to the regulations in this part and parts 31 through 36 and 39 shall confine his possession and use of the byproduct material to the locations and purposes authorized in the license. Except as otherwise provided in the license, a license issued pursuant to the regulations in this part and parts 31 through 36 and 39 of this chapter shall carry with it the right to receive, acquire, own, and possess byproduct material. Preparation for shipment and transport of byproduct material shall be in accordance with the provisions of part 71 of this chapter.

(d) Each license issued pursuant to the regulations in this part and parts 31 through 36 and 39 shall be deemed to contain the provisions set forth in section 183b.–d., inclusive, of the Act, whether or not these provisions are expressly set forth in the license.

(e) The Commission may incorporate, in any license issued pursuant to the regulations in this part and parts 31 through 36 and 39, at the time of issuance, or thereafter by appropriate rule, regulation or order,

such additional requirements and conditions with respect to the licensee's receipt, possession, use and transfer of byproduct material as it deems appropriate or necessary in order to:

(1) Promote the common defense and security;

(2) Protect health or to minimize danger to life or property;

(3) Protect restricted data;

(4) Require such reports and the keeping of such records, and to provide for such inspections of activities under the license as may be necessary or appropriate to effectuate the purposes of the Act and regulations thereunder.

(f) Licensees required to submit emergency plans by §30.32(i) shall follow the emergency plan approved by the Commission. The licensee may change the approved without Commission approval only if the changes do not decrease the effectiveness of the plan. The licensee shall furnish the change to the appropriate NRC Regional Office specified in §30.6 and to affected offsite response organizations within six months after the change is made. Proposed changes that decrease, or potentially decrease, the effectiveness of the approved emergency plan may not be implemented without prior application to and prior approval by the Commission.

(g) Each licensee preparing technetium-99m radiopharmaceuticals from molybdenum-99/technetium-99m generators or rubidium-82 from strontium-82/rubidium-82 generators shall test the generator eluates for molybdenum-99 breakthrough or strontium-82 and strontium-85 contamination, respectively, in accordance with §35.204 of this chapter. The licensee shall record the results of each test and retain each record for 3 years after the record is made.

(h)(1) Each general licensee that is required to register by §31.5(c)(13) of this chapter and each specific licensee shall notify the appropriate NRC Regional Administrator, in writing, immediately following the filing of a voluntary or involuntary petition for bankruptcy under any chapter of title 11 (Bankruptcy) of the United States Code by or against:

(i) The licensee;

(ii) An entity (as that term is defined in 11 U.S.C. 101(14)) controlling the licensee or listing the license or licensee as property of the estate; or

(iii) An affiliate (as that term is defined in 11 U.S.C. 101(2)) of the licensee.

(2) This notification must indicate:

(i) The bankruptcy court in which the petition for bankruptcy was filed; and

(ii) The date of the filing of the petition.

(i) *Security requirements for portable gauges.* Each portable gauge licensee shall use a minimum of two independent physical controls that form tangible barriers to secure portable gauges from unauthorized removal, whenever portable gauges are not under the control and constant surveillance of the licensee.

(j)(1) Authorization under §30.32(j) to produce Positron Emission Tomography (PET) radioactive drugs for noncommercial transfer to medical use licensees in its consortium does not relieve the licensee from complying with applicable FDA, other Federal, and State requirements governing radioactive drugs.

(2) Each licensee authorized under §30.32(j) to produce PET radioactive drugs for noncommercial transfer to medical use licensees in its consortium shall:

(i) Satisfy the labeling requirements in §32.72(a)(4) of this chapter for each PET radioactive drug transport radiation shield and each syringe, vial, or other container used to hold a PET radioactive drug intended for noncommercial distribution to members of its consortium.

(ii) Possess and use instrumentation to measure the radioactivity of the PET radioactive drugs intended for noncommercial distribution to members of its consortium and meet the procedural, radioactivity

measurement, instrument test, instrument check, and instrument adjustment requirements in §32.72(c) of this chapter.

(3) A licensee that is a pharmacy authorized under §30.32(j) to produce PET radioactive drugs for noncommercial transfer to medical use licensees in its consortium shall require that any individual that prepares PET radioactive drugs shall be:

(i) an authorized nuclear pharmacist that meets the requirements in §32.72(b)(2) of this chapter, or

(ii) an individual under the supervision of an authorized nuclear pharmacist as specified in §35.27 of this chapter.

(4) A pharmacy, authorized under §30.32(j) to produce PET radioactive drugs for noncommercial transfer to medical use licensees in its consortium that allows an individual to work as an authorized nuclear pharmacist, shall meet the requirements of §32.72(b)(5) of this chapter.

(k) As required by the Additional Protocol, each specific licensee authorized to possess and use byproduct material shall file with the Commission location information described in §75.11 of this chapter on DOC/NRC Forms AP–1 and associated forms. The licensee shall also permit verification of this information by the International Atomic Energy Agency (IAEA) and shall take other action as may be necessary to implement the US/IAEA Safeguards Agreement, as described in part 75 of this chapter.

[30 FR 8185, June 26, 1965, as amended at 38 FR 33969, Dec. 10, 1973; 43 FR 6922, Feb. 17, 1978; 48 FR 32328, July 15, 1983; 52 FR 1295, Jan. 12, 1987; 52 FR 8241, Mar. 17, 1987; 53 FR 19245, May 27, 1988; 53 FR 23383, June 22, 1988; 54 FR 14061, Apr. 7, 1989; 58 FR 7736, Feb. 9, 1993; 59 FR 61780, Dec. 2, 1994; 65 FR 79187, Dec. 18, 2000; 70 FR 2009, Jan. 12, 2005; 72 FR 55926, Oct. 1, 2007; 73 FR 78604, Dec. 23, 2008]

§ 30.35 Financial assurance and recordkeeping for decommissioning.

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(a)(1) Each applicant for a specific license authorizing the possession and use of unsealed byproduct material of half-life greater than 120 days and in quantities exceeding 10^5 times the applicable quantities set forth in appendix B to part 30 shall submit a decommissioning funding plan as described in paragraph (e) of this section. The decommissioning funding plan must also be submitted when a combination of isotopes is involved if R divided by 10^5 is greater than 1 (unity rule), where R is defined here as the sum of the ratios of the quantity of each isotope to the applicable value in appendix B to part 30.

(2) Each holder of, or applicant for, any specific license authorizing the possession and use of sealed sources or plated foils of half-life greater than 120 days and in quantities exceeding 10^{12} times the applicable quantities set forth in appendix B to part 30 (or when a combination of isotopes is involved if R, as defined in §30.35(a)(1), divided by 10^{12} is greater than 1), shall submit a decommissioning funding plan as described in paragraph (e) of this section. The decommissioning funding plan must be submitted to NRC by December 2, 2005.

(b) Each applicant for a specific license authorizing possession and use of byproduct material of half-life greater than 120 days and in quantities specified in paragraph (d) of this section shall either—

(1) Submit a decommissioning funding plan as described in paragraph (e) of this section; or

(2) Submit a certification that financial assurance for decommissioning has been provided in the amount prescribed by paragraph (d) of this section using one of the methods described in paragraph (f) of this section. For an applicant, this certification may state that the appropriate assurance will be obtained after the application has been approved and the license issued but before the receipt of licensed material. If the applicant defers execution of the financial instrument until after the license has been issued, a signed original of the financial instrument obtained to satisfy the requirements of paragraph (f) of this section must be submitted to NRC before receipt of licensed material. If the applicant does not defer execution of the financial instrument, the applicant shall submit to NRC, as part of the certification, a signed original of the financial instrument obtained to satisfy the requirements of paragraph (f) of this section.

(c)(1) Each holder of a specific license issued on or after July 27, 1990, which is of a type described in paragraph (a) or (b) of this section, shall provide financial assurance for decommissioning in accordance with the criteria set forth in this section.

(2) Each holder of a specific license issued before July 27, 1990, and of a type described in paragraph (a) of this section shall submit a decommissioning funding plan as described in paragraph (e) of this section or a certification of financial assurance for decommissioning in an amount at least equal to $1,125,000 in accordance with the criteria set forth in this section. If the licensee submits the certification of financial assurance rather than a decommissioning funding plan, the licensee shall include a decommissioning funding plan in any application for license renewal.

(3) Each holder of a specific license issued before July 27, 1990, and of a type described in paragraph (b) of this section shall submit, on or before July 27, 1990, a decommissioning funding plan as described, in paragraph (e) of this section, or a certification of financial assurance for decommissioning in accordance with the criteria set forth in this section.

(4) Any licensee who has submitted an application before July 27, 1990, for renewal of license in accordance with §30.37 shall provide financial assurance for decommissioning in accordance with paragraphs (a) and (b) of this section. This assurance must be submitted when this rule becomes effective November 24, 1995.

(5) Waste collectors and waste processors, as defined in 10 CFR part 20, Appendix G, must provide financial assurance in an amount based on a decommissioning funding plan as described in paragraph (e) of this section. The decommissioning funding plan must include the cost of disposal of the maximum amount (curies) of radioactive material permitted by license, and the cost of disposal of the maximum quantity, by volume, of radioactive material which could be present at the licensee's facility at any time, in addition to the cost to remediate the licensee's site to meet the license termination criteria of 10 CFR part 20. The decommissioning funding plan must be submitted by December 2, 2005.

(d) Table of required amounts of financial assurance for decommissioning by quantity of material. Licensees required to submit the $1,125,000 amount must do so by December 2, 2004. Licensees required to submit the $113,000 or $225,000 amount must do so by June 2, 2005. Licensees having possession limits exceeding the upper bounds of this table must base financial assurance on a decommissioning funding plan.

Greater than 10^4 but less than or equal to 10^5 times the applicable quantities of appendix B to part 30 in unsealed form. (For a combination of isotopes, if R, as defined in §30.35(a)(1), divided by 10^4 is greater than 1 but R divided by 10^5 is less than or equal to 1)	$1,125,000
Greater than 10^3 but less than or equal to 10^4 times the applicable quantities of appendix B to part 30 in unsealed form. (For a combination of isotopes, if R, as defined in §30.35(a)(1), divided by 10^3 is greater than 1 but R divided by 10^4 is less than or equal to 1)	225,000
Greater than 10^{10} but less than or equal to 10^{12} times the applicable quantities of appendix B to part 30 in sealed sources or plated foils. (For a combination of isotopes, if R, as defined in §30.35(a)(1), divided by 10^{10} is greater than, 1, but R divided by 10^{12} is less than or equal to 1)	113,000

(e) Each decommissioning funding plan must contain a cost estimate for decommissioning and a description of the method of assuring funds for decommissioning from paragraph (f) of this section, including means for adjusting cost estimates and associated funding levels periodically over the life of the facility. Cost estimates must be adjusted at intervals not to exceed 3 years. The decommissioning funding plan must also contain a certification by the licensee that financial assurance for decommissioning has been provided in the amount of the cost estimate for decommissioning and a signed original of the financial instrument obtained to satisfy the requirements of paragraph (f) of this section.

(f) Financial assurance for decommissioning must be provided by one or more of the following methods:

(1) *Prepayment.* Prepayment is the deposit prior to the start of operation into an account segregated from licensee assets and outside the licensee's administrative control of cash or liquid assets such that the amount of funds would be sufficient to pay decommissioning costs. Prepayment may be in the form of a trust, escrow account, government fund, certificate of deposit, or deposit of government securities.

(2) *A surety method, insurance, or other guarantee method.* These methods guarantee that decommissioning costs will be paid. A surety method may be in the form of a surety bond, letter of credit, or line of credit. A parent company guarantee of funds for decommissioning costs based on a financial test may be used if the guarantee and test are as contained in appendix A to this part. A parent company guarantee may not be used in combination with other financial methods to satisfy the requirements of this section. For commercial corporations that issue bonds, a guarantee of funds by the applicant or licensee for decommissioning costs based on a financial test may be used if the guarantee and test are as contained in appendix C to this part. For commercial companies that do not issue bonds, a guarantee of funds by the applicant or licensee for decommissioning costs may be used if the guarantee and test are as contained in appendix D to this part. For nonprofit entities, such as colleges, universities, and nonprofit hospitals, a guarantee of funds by the applicant or licensee may be used if the guarantee and test are as contained in appendix E to this part. A guarantee by the applicant or licensee may not be used in combination with any other financial methods used to satisfy the requirements of this section or in any situation where the applicant or licensee has a parent company holding majority control of the voting stock of the company. Any surety method or insurance used to provide financial assurance for decommissioning must contain the following conditions:

(i) The surety method or insurance must be open-ended or, if written for a specified term, such as five years, must be renewed automatically unless 90 days or more prior to the renewal date, the issuer notifies the Commission, the beneficiary, and the licensee of its intention not to renew. The surety method or insurance must also provide that the full face amount be paid to the beneficiary automatically prior to the expiration without proof of forfeiture if the licensee fails to provide a replacement acceptable to the Commission within 30 days after receipt of notification of cancellation.

(ii) The surety method or insurance must be payable to a trust established for decommissioning costs. The trustee and trust must be acceptable to the Commission. An acceptable trustee includes an appropriate State or Federal government agency or an entity which has the authority to act as a trustee and whose trust operations are regulated and examined by a Federal or State agency.

(iii) The surety method or insurance must remain in effect until the Commission has terminated the license.

(3) *An external sinking fund in which deposits are made at least annually, coupled with a surety method or insurance, the value of which may decrease by the amount being accumulated in the sinking fund.* An external sinking fund is a fund established and maintained by setting aside funds periodically in an account segregated from licensee assets and outside the licensee's administrative control in which the total amount of funds would be sufficient to pay decommissioning costs at the time termination of operation is expected. An external sinking fund may be in the form of a trust, escrow account, government fund, certificate of deposit, or deposit of government securities. The surety or insurance provisions must be as stated in paragraph (f)(2) of this section.

(4) In the case of Federal, State, or local government licensees, a statement of intent containing a cost estimate for decommissioning or an amount based on the table in paragraph (d) of this section, and indicating that funds for decommissioning will be obtained when necessary.

(5) When a government entity is assuming custody and ownership of a site, an arrangement that is deemed acceptable by such government entity.

(g) Each person licensed under this part or parts 32 through 36 and 39 of this chapter shall keep records of information important to the decommissioning of a facility in an identified location until the site is released for unrestricted use. Before licensed activities are transferred or assigned in accordance with §30.34(b), licensees shall transfer all records described in this paragraph to the new licensee. In this case, the new licensee will be responsible for maintaining these records until the license is terminated. If records important to the decommissioning of a facility are kept for other purposes, reference to these records and their locations may be used. Information the Commission considers important to decommissioning consists of—

(1) Records of spills or other unusual occurrences involving the spread of contamination in and around the facility, equipment, or site. These records may be limited to instances when contamination remains

after any cleanup procedures or when there is reasonable likelihood that contaminants may have spread to inaccessible areas as in the case of possible seepage into porous materials such as concrete. These records must include any known information on identification of involved nuclides, quantities, forms, and concentrations.

(2) As-built drawings and modifications of structures and equipment in restricted areas where radioactive materials are used and/or stored, and of locations of possible inaccessible contamination such as buried pipes which may be subject to contamination. If required drawings are referenced, each relevant document need not be indexed individually. If drawings are not available, the licensee shall substitute appropriate records of available information concerning these areas and locations.

(3) Except for areas containing only sealed sources (provided the sources have not leaked or no contamination remains after any leak) or byproduct materials having only half-lives of less than 65 days, a list contained in a single document and updated every 2 years, of the following:

(i) All areas designated and formerly designated restricted areas as defined in 10 CFR 20.1003 (For requirements prior to January 1, 1994, see 10 CFR 20.3 as contained in the CFR edition revised as of January 1, 1993.);

(ii) All areas outside of restricted areas that require documentation under §30.35(g)(1).

(iii) All areas outside of restricted areas where current and previous wastes have been buried as documented under 10 CFR 20.2108; and

(iv) All areas outside of restricted areas that contain material such that, if the license expired, the licensee would be required to either decontaminate the area to meet the criteria for decommissioning in 10 CFR part 20, subpart E, or apply for approval for disposal under 10 CFR 20.2002.

(4) Records of the cost estimate performed for the decommissioning funding plan or of the amount certified for decommissioning, and records of the funding method used for assuring funds if either a funding plan or certification is used.

[53 FR 24044, June 27, 1988, as amended at 56 FR 23471, May 21, 1991; 58 FR 39633, July 26, 1993; 58 FR 67659, Dec. 22, 1993; 58 FR 68730, Dec. 29, 1993; 59 FR 1618, Jan. 12, 1994; 60 FR 38238, July 26, 1995; 61 FR 24673, May 16, 1996; 62 FR 39090, July 21, 1997; 63 FR 29541, June 1, 1998; 68 FR 57335, Oct. 3, 2003]

§ 30.36 Expiration and termination of licenses and decommissioning of sites and separate buildings or outdoor areas.

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(a) Each specific license expires at the end of the day on the expiration date stated in the license, unless the licensee has filed an application for renewal under §30.37 not less than 30 days before the expiration date stated in the existing license. If an application for renewal has been filed at least 30 days before the expiration date stated in the existing license, the existing license expires at the end of the day on which the Commission makes a final determination to deny the renewal application or, if the determination states an expiration date, the expiration date stated in the determination.

(b) Each specific license revoked by the Commission expires at the end of the day on the date of the Commission's final determination to revoke the license, or on the expiration date stated in the determination, or as otherwise provided by Commission Order.

(c) Each specific license continues in effect, beyond the expiration date if necessary, with respect to possession of byproduct material until the Commission notifies the licensee in writing that the license is terminated. During this time, the licensee shall—

(1) Limit actions involving byproduct material to those related to decommissioning; and

(2) Continue to control entry to restricted areas until they are suitable for release in accordance with NRC requirements.

(d) Within 60 days of the occurrence of any of the following, consistent with the administrative directions in §30.6, each licensee shall provide notification to the NRC in writing of such occurrence, and either begin decommissioning its site, or any separate building or outdoor area that contains residual radioactivity so that the building or outdoor area is suitable for release in accordance with NRC requirements, or submit within 12 months of notification a decommissioning plan, if required by paragraph (g)(1) of this section, and begin decommissioning upon approval of that plan if—

(1) The license has expired pursuant to paragraph (a) or (b) of this section; or

(2) The licensee has decided to permanently cease principal activities, as defined in this part, at the entire site or in any separate building or outdoor area that contains residual radioactivity such that the building or outdoor area is unsuitable for release in accordance with NRC requirements; or

(3) No principal activities under the license have been conducted for a period of 24 months; or

(4) No principal activities have been conducted for a period of 24 months in any separate building or outdoor area that contains residual radioactivity such that the building or outdoor area is unsuitable for release in accordance with NRC requirements.

(e) Coincident with the notification required by paragraph (d) of this section, the licensee shall maintain in effect all decommissioning financial assurances established by the licensee pursuant to §30.35 in conjunction with a license issuance or renewal or as required by this section. The amount of the financial assurance must be increased, or may be decreased, as appropriate, to cover the detailed cost estimate for decommissioning established pursuant to paragraph (g)(4)(v) of this section.

(1) Any licensee who has not provided financial assurance to cover the detailed cost estimate submitted with the decommissioning plan shall do so when this rule becomes effective November 24, 1995.

(2) Following approval of the decommissioning plan, a licensee may reduce the amount of the financial assurance as decommissioning proceeds and radiological contamination is reduced at the site with the approval of the Commission.

(f) The Commission may grant a request to extend the time periods established in paragraph (d) if the Commission determines that this relief is not detrimental to the public health and safety and is otherwise in the public interest. The request must be submitted no later than 30 days before notification pursuant to paragraph (d) of this section. The schedule for decommissioning set forth in paragraph (d) of this section may not commence until the Commission has made a determination on the request.

(g)(1) A decommissioning plan must be submitted if required by license condition or if the procedures and activities necessary to carry out decommissioning of the site or separate building or outdoor area have not been previously approved by the Commission and these procedures could increase potential health and safety impacts to workers or to the public, such as in any of the following cases:

(i) Procedures would involve techniques not applied routinely during cleanup or maintenance operations;

(ii) Workers would be entering areas not normally occupied where surface contamination and radiation levels are significantly higher than routinely encountered during operation;

(iii) Procedures could result in significantly greater airborne concentrations of radioactive materials than are present during operation; or

(iv) Procedures could result in significantly greater releases of radioactive material to the environment than those associated with operation.

(2) The Commission may approve an alternate schedule for submittal of a decommissioning plan required pursuant to paragraph (d) of this section if the Commission determines that the alternative schedule is necessary to the effective conduct of decommissioning operations and presents no undue risk from radiation to the public health and safety and is otherwise in the public interest.

(3) Procedures such as those listed in paragraph (g)(1) of this section with potential health and safety impacts may not be carried out prior to approval of the decommissioning plan.

(4) The proposed decommissioning plan for the site or separate building or outdoor area must include:

(i) A description of the conditions of the site or separate building or outdoor area sufficient to evaluate the acceptability of the plan;

(ii) A description of planned decommissioning activities;

(iii) A description of methods used to ensure protection of workers and the environment against radiation hazards during decommissioning;

(iv) A description of the planned final radiation survey; and

(v) An updated detailed cost estimate for decommissioning, comparison of that estimate with present funds set aside for decommissioning, and a plan for assuring the availability of adequate funds for completion of decommissioning.

(vi) For decommissioning plans calling for completion of decommissioning later than 24 months after plan approval, the plan shall include a justification for the delay based on the criteria in paragraph (i) of this section.

(5) The proposed decommissioning plan will be approved by the Commission if the information therein demonstrates that the decommissioning will be completed as soon as practicable and that the health and safety of workers and the public will be adequately protected.

(h)(1) Except as provided in paragraph (i) of this section, licensees shall complete decommissioning of the site or separate building or outdoor area as soon as practicable but no later than 24 months following the initiation of decommissioning.

(2) Except as provided in paragraph (i) of this section, when decommissioning involves the entire site, the licensee shall request license termination as soon as practicable but no later than 24 months following the initiation of decommissioning.

(i) The Commission may approve a request for an alternative schedule for completion of decommissioning of the site or separate building or outdoor area, and license termination if appropriate, if the Commission determines that the alternative is warranted by consideration of the following:

(1) Whether it is technically feasible to complete decommissioning within the allotted 24-month period;

(2) Whether sufficient waste disposal capacity is available to allow completion of decommissioning within the allotted 24-month period;

(3) Whether a significant volume reduction in wastes requiring disposal will be achieved by allowing short-lived radionuclides to decay;

(4) Whether a significant reduction in radiation exposure to workers can be achieved by allowing short-lived radionuclides to decay; and

(5) Other site-specific factors which the Commission may consider appropriate on a case-by-case basis, such as the regulatory requirements of other government agencies, lawsuits, ground-water treatment activities, monitored natural ground-water restoration, actions that could result in more environmental harm than deferred cleanup, and other factors beyond the control of the licensee.

(j) As the final step in decommissioning, the licensee shall—

(1) Certify the disposition of all licensed material, including accumulated wastes, by submitting a completed NRC Form 314 or equivalent information; and

(2) Conduct a radiation survey of the premises where the licensed activities were carried out and submit a report of the results of this survey, unless the licensee demonstrates in some other manner that the premises are suitable for release in accordance with the criteria for decommissioning in 10 CFR part 20, subpart E. The licensee shall, as appropriate—

(i) Report levels of gamma radiation in units of millisieverts (microroentgen) per hour at one meter from surfaces, and report levels of radioactivity, including alpha and beta, in units of megabecquerels

(disintegrations per minute or microcuries) per 100 square centimeters—removable and fixed—for surfaces, megabecquerels (microcuries) per milliliter for water, and becquerels (picocuries) per gram for solids such as soils or concrete; and

(ii) Specify the survey instrument(s) used and certify that each instrument is properly calibrated and tested.

(k) Specific licenses, including expired licenses, will be terminated by written notice to the licensee when the Commission determines that:

(1) Byproduct material has been properly disposed;

(2) Reasonable effort has been made to eliminate residual radioactive contamination, if present; and

(3)(i) A radiation survey has been performed which demonstrates that the premises are suitable for release in accordance with the criteria for decommissioning in 10 CFR part 20, subpart E; or

(ii) Other information submitted by the licensee is sufficient to demonstrate that the premises are suitable for release in accordance with the criteria for decommissioning in 10 CFR part 20, subpart E.

(4) Records required by §30.51 (d) and (f) have been received.

[59 FR 36034, July 15, 1994, as amended at 60 FR 38238, July 26, 1995; 61 FR 1114, Jan. 16, 1996; 61 FR 24673, May 16, 1996; 61 FR 29637, June 12, 1996; 62 FR 39090, July 21, 1997; 73 FR 42673, July 23, 2008]

§ 30.37 Application for renewal of licenses.

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(a) Application for renewal of a specific license must be filed on NRC Form 313 and in accordance with §30.32.

(b) If any licensee granted the extension described in 10 CFR 30.36(a)(2) has a currently pending renewal application for the extended license, that application will be considered withdrawn by the licensee and any renewal fees paid by the licensee for that application will be refunded.

[59 FR 36035, July 15, 1994, as amended at 61 FR 1114, Jan. 16, 1996; 66 FR 64738, Dec. 14, 2001]

§ 30.38 Application for amendment of licenses.

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Applications for amendment of a license shall be filed on Form NRC–313 in accordance with §30.32 and shall specify the respects in which the licensee desires its license to be amended and the grounds for the amendment.

[49 FR 19625, May 9, 1984]

§ 30.39 Commission action on applications to renew or amend.

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In considering an application by a licensee to renew or amend his license the Commission will apply the applicable criteria set forth in §30.33 and parts 32 through 36 and 39 of this chapter.

[30 FR 8185, June 26, 1965, as amended at 43 FR 6922, Feb. 17, 1978; 52 FR 8241, Mar. 17, 1987; 58 FR 7736, Feb. 9, 1993]

§ 30.41 Transfer of byproduct material.

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(a) No licensee shall transfer byproduct material except as authorized pursuant to this section.

(b) Except as otherwise provided in his license and subject to the provisions of paragraphs (c) and (d) of this section, any licensee may transfer byproduct material:

(1) To the Department;

(2) To the agency in any Agreement State which regulates radioactive material pursuant to an agreement under section 274 of the Act;

(3) To any person exempt from the licensing requirements of the Act and regulations in this part, to the extent permitted under such exemption;

(4) To any person in an Agreement State, subject to the jurisdiction of that State, who has been exempted from the licensing requirements and regulations of that State, to the extent permitted under such exemption;

(5) To any person authorized to receive such byproduct material under terms of a specific license or a general license or their equivalents issued by the Atomic Energy Commission, the Commission, or an Agreement State;

(6) To a person abroad pursuant to an export license issued under part 110 of this chapter; or

(7) As otherwise authorized by the Commission in writing.

(c) Before transferring byproduct material to a specific licensee of the Commission or an Agreement State or to a general licensee who is required to register with the Commission or with an Agreement State prior to receipt of the byproduct material, the licensee transferring the material shall verify that the transferee's license authorizes the receipt of the type, form, and quantity of byproduct material to be transferred.

(d) The following methods for the verification required by paragraph (c) of this section are acceptable:

(1) The transferor may have in his possession, and read, a current copy of the transferee's specific license or registration certificate;

(2) The transferor may have in his possession a written certification by the transferee that he is authorized by license or registration certificate to receive the type, form, and quantity of byproduct material to be transferred, specifying the license or registration certificate number, issuing agency and expiration date;

(3) For emergency shipments the transferor may accept oral certification by the transferee that he is authorized by license or registration certificate to receive the type, form, and quantity of byproduct material to be transferred, specifying the license or registration certificate number, issuing agency and expiration date: *Provided,* That the oral certification is confirmed in writing within 10 days;

(4) The transferor may obtain other sources of information compiled by a reporting service from official records of the Commission or the licensing agency of an Agreement State as to the identity of licensees and the scope and expiration dates of licenses and registration; or

(5) When none of the methods of verification described in paragraphs (d)(1) to (4) of this section are readily available or when a transferor desires to verify that information received by one of such methods is correct or up-to-date, the transferor may obtain and record confirmation from the Commission or the licensing agency of an Agreement State that the transferee is licensed to receive the byproduct material.

[38 FR 33969, Dec. 10, 1973, as amended at 40 FR 8785, Mar. 3, 1975; 43 FR 6922, Feb. 17, 1978]

Records, Inspections, Tests, and Reports

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§ 30.50 Reporting requirements.

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(a) *Immediate report.* Each licensee shall notify the NRC as soon as possible but not later than 4 hours after the discovery of an event that prevents immediate protective actions necessary to avoid exposures to radiation or radioactive materials that could exceed regulatory limits or releases of licensed material that could exceed regulatory limits (events may include fires, explosions, toxic gas releases, etc.).

(b) *Twenty-four hour report.* Each licensee shall notify the NRC within 24 hours after the discovery of any of the following events involving licensed material:

(1) An unplanned contamination event that:

(i) Requires access to the contaminated area, by workers or the public, to be restricted for more than 24 hours by imposing additional radiological controls or by prohibiting entry into the area;

(ii) Involves a quantity of material greater than five times the lowest annual limit on intake specified in appendix B of §§20.1001–20.2401 of 10 CFR part 20 for the material; and

(iii) Has access to the area restricted for a reason other than to allow isotopes with a half-life of less than 24 hours to decay prior to decontamination.

(2) An event in which equipment is disabled or fails to function as designed when:

(i) The equipment is required by regulation or license condition to prevent releases exceeding regulatory limits, to prevent exposures to radiation and radioactive materials exceeding regulatory limits, or to mitigate the consequences of an accident;

(ii) The equipment is required to be available and operable when it is disabled or fails to function; and

(iii) No redundant equipment is available and operable to perform the required safety function.

(3) An event that requires unplanned medical treatment at a medical facility of an individual with spreadable radioactive contamination on the individual's clothing or body.

(4) An unplanned fire or explosion damaging any licensed material or any device, container, or equipment containing licensed material when:

(i) The quantity of material involved is greater than five times the lowest annual limit on intake specified in appendix B of §§20.1001–20.2401 of 10 CFR part 20 for the material; and

(ii) The damage affects the integrity of the licensed material or its container.

(c) Preparation and submission of reports. Reports made by licensees in response to the requirements of this section must be made as follows:

(1) Licensees shall make reports required by paragraphs (a) and (b) of this section by telephone to the NRC Operations Center.[1] To the extent that the information is available at the time of notification, the information provided in these reports must include:

[1] The commercial telephone number for the NRC Operations Center is (301) 816–5100.

(i) The caller's name and call back telephone number;

(ii) A description of the event, including date and time;

(iii) The exact location of the event;

(iv) The isotopes, quantities, and chemical and physical form of the licensed material involved; and

(v) Any personnel radiation exposure data available.

(2) Written report. Each licensee who makes a report required by paragraph (a) or (b) of this section shall submit a written follow-up report within 30 days of the initial report. Written reports prepared pursuant to other regulations may be submitted to fulfill this requirement if the reports contain all of the necessary information and the appropriate distribution is made. These written reports must be sent to the NRC using an appropriate method listed in §30.6(a); and a copy must be sent to the appropriate NRC Regional office listed in appendix D to part 20 of this chapter. The reports must include the following:

(i) A description of the event, including the probable cause and the manufacturer and model number (if applicable) of any equipment that failed or malfunctioned;

(ii) The exact location of the event;

(iii) The isotopes, quantities, and chemical and physical form of the licensed material involved;

(iv) Date and time of the event;

(v) Corrective actions taken or planned and the results of any evaluations or assessments; and

(vi) The extent of exposure of individuals to radiation or to radioactive materials without identification of individuals by name.

(3) The provisions of §30.50 do not apply to licensees subject to the notification requirements in §50.72. They do apply to those part 50 licensees possessing material licensed under part 30, who are not subject to the notification requirements in §50.72.

[56 FR 40767, Aug. 16, 1991, as amended at 59 FR 14086, Mar. 25, 1994; 68 FR 58804, Oct. 10, 2003]

§ 30.51 Records.

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(a) Each person who receives byproduct material pursuant to a license issued pursuant to the regulations in this part and parts 31 through 36 of this chapter shall keep records showing the receipt, transfer, and disposal of the byproduct material as follows:

(1) The licensee shall retain each record of receipt of byproduct material as long as the material is possessed and for three years following transfer or disposal of the material.

(2) The licensee who transferred the material shall retain each record of transfer for three years after each transfer unless a specific requirement in another part of the regulations in this chapter dictates otherwise.

(3) The licensee who disposed of the material shall retain each record of disposal of byproduct material until the Commission terminates each license that authorizes disposal of the material.

(b) The licensee shall retain each record that is required by the regulations in this part and parts 31 through 36 of this chapter or by license condition for the period specified by the appropriate regulation or license condition. If a retention period is not otherwise specified by regulation or license condition, the record must be retained until the Commission terminates each license that authorizes the activity that is subject to the recordkeeping requirement.

(c)(1) Records which must be maintained pursuant to this part and parts 31 through 36 of this chapter

may be the original or a reproduced copy or microform if such reproduced copy or microform is duly authenticated by authorized personnel and the microform is capable of producing a clear and legible copy after storage for the period specified by Commission regulations. The record may also be stored in electronic media with the capability for producing legible, accurate, and complete records during the required retention period. Records such as letters, drawings, specifications, must include all pertinent information such as stamps, initials, and signatures. The licensee shall maintain adequate safeguards against tampering with and loss of records.

(2) If there is a conflict between the Commission's regulations in this part and parts 31 through 36 and 39 of this chapter, license condition, or other written Commission approval or authorization pertaining to the retention period for the same type of record, the retention period specified in the regulations in this part and parts 31 through 36 and 39 of this chapter for such records shall apply unless the Commission, pursuant to §30.11, has granted a specific exemption from the record retention requirements specified in the regulations in this part or parts 31 through 36 and 39 of this chapter.

(d) Prior to license termination, each licensee authorized to possess radioactive material with a half-life greater than 120 days, in an unsealed form, shall forward the following records to the appropriate NRC Regional Office:

(1) Records of disposal of licensed material made under §§20.2002 (including burials authorized before January 28, 1981[1]), 20.2003, 20.2004, 20.2005; and

[1] A previous §20.304 permitted burial of small quantities of licensed materials in soil before January 28, 1981, without specific Commission authorization. See §20.304 contained in the 10 CFR, parts 0 to 199, edition revised as of January 1, 1981.

(2) Records required by §20.2103(b)(4).

(e) If licensed activities are transferred or assigned in accordance with §30.34(b), each licensee authorized to possess radioactive material, with a half-life greater than 120 days, in an unsealed form, shall transfer the following records to the new licensee and the new licensee will be responsible for maintaining these records until the license is terminated:

(1) Records of disposal of licensed material made under §§20.2002 (including burials authorized before January 28, 1981[1]), 20.2003, 20.2004, 20.2005; and

(2) Records required by §20.2103(b)(4).

(f) Prior to license termination, each licensee shall forward the records required by §30.35(g) to the appropriate NRC Regional Office.

[41 FR 18301, May 5, 1976, as amended at 43 FR 6922, Feb. 17, 1978; 52 FR 8241, Mar. 17, 1987; 53 FR 19245, May 27, 1988; 58 FR 7736, Feb. 9, 1993; 61 FR 24673, May, 16, 1996]

§ 30.52 Inspections.

top

(a) Each licensee shall afford to the Commission at all reasonable times opportunity to inspect byproduct material and the premises and facilities wherein byproduct material is used or stored.

(b) Each licensee shall make available to the Commission for inspection, upon reasonable notice, records kept by him pursuant to the regulations in this chapter.

[30 FR 8185, June 26, 1965]

§ 30.53 Tests.

top

Each licensee shall perform, or permit the Commission to perform, such tests as the Commission deems appropriate or necessary for the administration of the regulations in this part and parts 31 through 36 and 39 of this chapter, including tests of:

(a) Byproduct material;

(b) Facilities wherein byproduct material is utilized or stored;

(c) Radiation detection and monitoring instruments; and

(d) Other equipment and devices used in connection with the utilization or storage of byproduct material.

[30 FR 8185, June 26, 1965, as amended by 43 FR 6922, Feb. 17, 1978; 52 FR 8241, Mar. 17, 1987; 58 FR 7736, Feb. 9, 1993]

§ 30.55 Tritium reports.

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(a)–(b) [Reserved]

(c) Except as specified in paragraph (d) of this section, each licensee who is authorized to possess tritium shall report promptly to the appropriate NRC Regional Office listed in appendix D of part 20 of this chapter by telephone and telegraph, mailgram, or facsimile any incident in which an attempt has been made or is believed to have been made to commit a theft or unlawful diversion of more than 10 curies of such material at any one time or more than 100 curies of such material in any one calendar year. The initial report shall be followed within a period of fifteen (15) days by a written report submitted to the appropriate NRC Regional Office which sets forth the details of the incident and its consequences. Copies of such written report shall be sent to the Director, Office of Federal and State Materials and Environmental Management Programs, using an appropriate method listed in §30.6(a). Subsequent to the submission of the written report required by this paragraph, the licensee shall promptly inform the Office of Federal and State Materials and Environmental Management Programs by means of a written report of any substantive additional information, which becomes available to the licensee, concerning an attempted or apparent theft or unlawful diversion of tritium.

(d) The reports described in this section are not required for tritium possessed pursuant to a general license provided in part 31 of this chapter or for tritium contained in spent fuel.

[37 FR 9208, May 6, 1972, as amended at 38 FR 1271, Jan. 11, 1973; 38 FR 2330, Jan. 24, 1973; 41 FR 16446, Apr. 19, 1976; 43 FR 6922, Feb. 17, 1978; 46 FR 55085, Nov. 6, 1981; 49 FR 24707, June 15, 1984; 52 FR 31611, Aug. 21, 1987; 68 FR 58804, Oct. 10, 2003; 73 FR 5718, Jan. 31, 2008]

Enforcement

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§ 30.61 Modification and revocation of licenses.

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(a) The terms and conditions of each license issued pursuant to the regulations in this part and parts 31 through 35 of this chapter shall be subject to amendment, revision or modification by reason of amendments to the Act, or by reason of rules, regulations and orders issued in accordance with the terms of the Act.

(b) Any license may be revoked, suspended or modified, in whole or in part, for any material false statement in the application or any statement of fact required under section 182 of the Act, or because of conditions revealed by such application or statement of fact or any report, record or inspection or other means which would warrant the Commission to refuse to grant a license on an original application, or for violation of, or failure to observe any of the terms and provisions of the Act or of any rule, regulation or order of the Commission.

(c) Except in cases of willfulness or those in which the public health, interest or safety requires otherwise, no license shall be modified, suspended or revoked unless, prior to the institution of proceedings therefor, facts or conduct which may warrant such action shall have been called to the attention of the licensee in writing and the licensee shall have been accorded an opportunity to demonstrate or achieve compliance with all lawful requirements.

[30 FR 8185, June 26, 1965, as amended at 35 FR 11460, July 17, 1970; 43 FR 6922, Feb. 17, 1978]

§ 30.62 Right to cause the withholding or recall of byproduct material.

top

The Commission may cause the withholding or recall of byproduct material from any licensee who is not equipped to observe or fails to observe such safety standards to protect health as may be established by the Commission, or who uses such materials in violation of law or regulation of the Commission, or in a manner other than as disclosed in the application therefor or approved by the Commission.

[30 FR 8185, June 26, 1965, as amended at 40 FR 8785, Mar. 3, 1975]

§ 30.63 Violations.

top

(a) The Commission may obtain an injunction or other court order to prevent a violation of the provisions of—

(1) The Atomic Energy Act of 1954, as amended;

(2) Title II of the Energy Reorganization Act of 1974, as amended; or

(3) A regulation or order issued pursuant to those Acts.

(b) The Commission may obtain a court order for the payment of a civil penalty imposed under section 234 of the Atomic Energy Act:

(1) For violations of—

(i) Sections 53, 57, 62, 63, 81, 82, 101, 103, 104, 107, or 109 of the Atomic Energy Act of 1954, as amended;

(ii) Section 206 of the Energy Reorganization Act;

(iii) Any rule, regulation, or order issued pursuant to the sections specified in paragraph (b)(1)(i) of this section;

(iv) Any term, condition, or limitation of any license issued under the sections specified in paragraph (b)(1)(i) of this section.

(2) For any violation for which a license may be revoked under section 186 of the Atomic Energy Act of 1954, as amended.

[57 FR 55072, Nov. 24, 1992]

§ 30.64 Criminal penalties.

top

(a) Section 223 of the Atomic Energy Act of 1954, as amended, provides for criminal sanctions for willful

violation of, attempted violation of, or conspiracy to violate, any regulation issued under sections 161b, 161i, or 161o of the Act. For purposes of section 223, all the regulations in part 30 are issued under one or more of sections 161b, 161i, or 161o, except for the sections listed in paragraph (b) of this section.

(b) The regulations in part 30 that are not issued under sections 161b, 161i, or 161o for the purposes of section 223 are as follows: §§30.1, 30.2, 30.4, 30.5, 30.6, 30.8, 30.11, 30.12, 30.13, 30.15, 30.31, 30.32, 30.33, 30.37, 30.38, 30.39, 30.61, 30.62, 30.63, 30.64, 30.70, 30.71, and 30.72.

[57 FR 55072, Nov. 24, 1992, as amended at 73 FR 42673, July 23, 2008]

Schedules

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§ 30.70 Schedule A—Exempt concentrations.

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[See footnotes at end of this table]

Element (atomic number)	Isotope	Col. I Gas concentration μCi/ml[1]	Col. II Liquid and solid concentration μCi/ml[2]
Antimony (51)	Sb 122		3×10^{-4}
	Sb 124		2×10^{-4}
	Sb 125		1×10^{-3}
Argon (18)	A 37	1×10^{-3}	
	A 41	4×10^{-7}	
Arsenic (33)	As 73		5×10^{-3}
	As 74		5×10^{-4}
	As 76		2×10^{-4}
	As 77		8×10^{-4}
Barium (56)	Ba 131		2×10^{-3}
	Ba 140		3×10^{-4}
Beryllium (4)	Be 7		2×10^{-2}
Bismuth (83)	Bi 206		4×10^{-4}
Bromine (35)	Br 82	4×10^{-7}	3×10^{-3}
Cadmium (48)	Cd 109		2×10^{-3}
	Cd 115m		3×10^{-4}
	Cd 115		3×10^{-4}
Calcium (20)	Ca 45		9×10^{-5}
	Ca 47		5×10^{-4}
Carbon (6)	C 14	1×10^{-6}	8×10^{-3}

Cerium (58)	Ce 141		9×10^{-4}
	Ce 143		4×10^{-4}
	Ce 144		1×10^{-4}
Cesium (55)	Cs 131		2×10^{-2}
	Cs 134m		6×10^{-2}
	Cs 134		9×10^{-5}
Chlorine (17)	Cl 38	9×10^{-7}	4×10^{-3}
Chromium (24)	Cr 51		2×10^{-2}
Cobalt (27)	Co 57		5×10^{-3}
	Co 58		1×10^{-3}
	Co 60		5×10^{-4}
Copper (29)	Cu 64		3×10^{-3}
Dysprosium (66)	Dy 165		4×10^{-3}
	Dy 166		4×10^{-4}
Erbium (68)	Er 169		9×10^{-4}
	Er 171		1×10^{-3}
Europium (63)	Eu 152		6×10^{-4}
	(T/2=9.2 Hrs)		
	Eu 155		2×10^{-3}
Fluorine (9)	F 18	2×10^{-6}	8×10^{-3}
Gadolinium (64)	Gd 153		2×10^{-3}
	Gd 159		8×10^{-4}
Gallium (31)	Ga 72		4×10^{-4}
Germanium (32)	Ge 71		2×10^{-2}
Gold (79)	Au 196		2×10^{-3}
	Au 198		5×10^{-4}
	Au 199		2×10^{-3}
Hafnium (72)	Hf 181		7×10^{-4}
Hydrogen (1)	H 3	5×10^{-6}	3×10^{-2}
Indium (49)	In 113m		1×10^{-2}
	In 114m		2×10^{-4}
Iodine (53)	I 126	3×10^{-9}	2×10^{-5}
	I 131	3×10^{-9}	2×10^{-5}
	I 132	8×10^{-8}	6×10^{-4}
	I 133	1×10^{-8}	7×10^{-5}
	I 134	2×10^{-7}	1×10^{-3}

Iridium (77)	Ir 190		2×10^{-3}
	Ir 192		4×10^{-4}
	Ir 194		3×10^{-4}
Iron (26)	Fe 55		8×10^{-3}
	Fe 59		6×10^{-4}
Krypton (36)	Kr 85m	1×10^{-6}	
	Kr 85	3×10^{-6}	
Lanthanum (57)	La 140		2×10^{-4}
Lead (82)	Pb 203		4×10^{-3}
Lutetium (71)	Lu 177		1×10^{-3}
Manganese (25)	Mn 52		3×10^{-4}
	Mn 54		1×10^{-3}
	Mn 56		1×10^{-3}
Mercury (80)	Hg 197m		2×10^{-3}
	Hg 197		3×10^{-3}
	Hg 203		2×10^{-4}
Molybdenum (42)	Mo 99		2×10^{-3}
Neodymium (60)	Nd 147		6×10^{-4}
	Nd 149		3×10^{-3}
Nickel (28)	Ni 65		1×10^{-3}
Niobium (Columbium) (41)	Nb 95		1×10^{-3}
	Nb 97		9×10^{-3}
Osmium (76)	Os 185		7×10^{-4}
	Os 191m		3×10^{-2}
	Os 191		2×10^{-3}
	Os 193		6×10^{-4}
Palladium (46)	Pd 103		3×10^{-3}
	Pd 109		9×10^{-4}
Phosphorus (15)	P 32		2×10^{-4}
Platinum (78)	Pt 191		1×10^{-3}
	Pt 193m		1×10^{-2}
	Pt 197m		1×10^{-2}
	Pt 197		1×10^{-3}
Potassium (19)	K 42		3×10^{-3}
Praseodymium (59)	Pr 142		3×10^{-4}
	Pr 143		5×10^{-4}

Promethium (61)	Pm 147		2×10^{-3}
	Pm 149		4×10^{-4}
Rhenium (75)	Re 183		6×10^{-3}
	Re 186		9×10^{-4}
	Re 188		6×10^{-4}
Rhodium (45)	Rh 103m		1×10^{-1}
	Rh 105		1×10^{-3}
Rubidium (37)	Rb 86		7×10^{-4}
Ruthenium (44)	Ru 97		4×10^{-4}
	Ru 103		8×10^{-4}
	Ru 105		1×10^{-3}
	Ru 106		1×10^{-4}
Samarium (62)	Sm 153		8×10^{-4}
Scandium (21)	Sc 46		4×10^{-4}
	Sc 47		9×10^{-4}
	Sc 48		3×10^{-4}
Selenium (34)	Se 75		3×10^{-3}
Silicon (14)	Si 31		9×10^{-3}
Silver (47)	Ag 105		1×10^{-3}
	Ag 110m		3×10^{-4}
	Ag 111		4×10^{-4}
Sodium (11)	Na 24		2×10^{-3}
Strontium (38)	Sr 85		1×10^{-4}
	Sr 89		1×10^{-4}
	Sr 91		7×10^{-4}
	Sr 92		7×10^{-4}
Sulfur (16)	S 35	9×10^{-8}	6×10^{-4}
Tantalum (73)	Ta 182		4×10^{-4}
Technetium (43)	Tc 96m		1×10^{-1}
	Tc 96		1×10^{-3}
Tellurium (52)	Te 125m		2×10^{-3}
	Te 127m		6×10^{-4}
	Te 127		3×10^{-3}
	Te 129m		3×10^{-4}
	Te 131m		6×10^{-4}
	Te 132		3×10^{-4}

Terbium (65)	Tb 160		4×10^{-4}
Thallium (81)	Tl 200		4×10^{-3}
	Tl 201		3×10^{-3}
	Tl 202		1×10^{-3}
	Tl 204		1×10^{-3}
Thulium (69)	Tm 170		5×10^{-4}
	Tm 171		5×10^{-3}
Tin (50)	Sn 113		9×10^{-4}
	Sn 125		2×10^{-4}
Tungsten (Wolfram) (74)	W 181		4×10^{-3}
	W 187		7×10^{-4}
Vanadium (23)	V 48		3×10^{-4}
Xenon (54)	Xe 131m	4×10^{-6}	
	Xe 133	3×10^{-6}	
	Xe 135	1×10^{-6}	
Ytterbium (70)	Yb 175		1×10^{-3}
Yttrium (39)	Y 90		2×10^{-4}
	Y 91m		3×10^{-2}
	Y 91		3×10^{-4}
	Y 92		6×10^{-4}
	Y 93		3×10^{-4}
Zinc (30)	Zn 65		1×10^{-3}
	Zn 69m		7×10^{-4}
	Zn 69		2×10^{-2}
Zirconium (40)	Zr 95		6×10^{-4}
	Zr 97		2×10^{-4}
Beta and/or gamma emitting byproduct material not listed above with half-life less than 3 years		1×10^{-10}	1×10^{-6}

Footnotes to Schedule A:

[1]Values are given only for those materials normally used as gases.

[2]μCi/gm for solids.

Note 1: Many radioisotopes disintegrate into isotopes which are also radioactive. In expressing the concentrations in Schedule A, the activity stated is that of the parent isotope and takes into account the daughters.

Note 2: For purposes of §30.14 where there is involved a combination of isotopes, the limit for the

combination should be derived as follows:

Determine for each isotope in the product the ratio between the concentration present in the product and the exempt concentration established in Schedule A for the specific isotope when not in combination. The sum of such ratios may not exceed "1" (i.e., unity).

Example:

$$\frac{\text{Concentration of Isotope A in Product}}{\text{Exempt concentration of Isotope A}} + \frac{\text{Concentration of Isotope B in Product}}{\text{Exempt concentration of Isotope B}} \leq 1$$

[30 FR 8185, June 26, 1965, as amended at 35 FR 3982, Mar. 3, 1970; 38 FR 29314, Oct. 24, 1973; 59 FR 5520, Feb. 7, 1994]

§ 30.71 Schedule B.

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Byproduct material	Microcuries
Antimony 122 (Sb 122)	100
Antimony 124 (Sb 124)	10
Antimony 125 (Sb 125)	10
Arsenic 73 (As 73)	100
Arsenic 74 (As 74)	10
Arsenic 76 (As 76)	10
Arsenic 77 (As 77)	100
Barium 131 (Ba 131)	10
Barium 133 (Ba 133)	10
Barium 140 (Ba 140)	10
Bismuth 210 (Bi 210)	1
Bromine 82 (Br 82)	10
Cadmium 109 (Cd 109)	10
Cadmium 115m (Cd 115m)	10
Cadmium 115 (Cd 115)	100
Calcium 45 (Ca 45)	10
Calcium 47 (Ca 47)	10
Carbon 14 (C 14)	100
Cerium 141 (Ce 141)	100
Cerium 143 (Ce 143)	100
Cerium 144 (Ce 144)	1
Cesium 129 (Cs 129)	100
Cesium 131 (Cs 131)	1,000
Cesium 134m (Cs 134m)	100
Cesium 134 (Cs 134)	1
Cesium 135 (Cs 135)	10
Cesium 136 (Cs 136)	10
Cesium 137 (Cs 137)	10

Chlorine 36 (C1 36)	10
Chlorine 38 (Cl 38)	10
Chromium 51 (Cr 51)	1,000
Cobalt 57 (Co 57)	100
Cobalt 58m (Co 58m)	10
Cobalt 58 (Co 58)	10
Cobalt 60 (Co 60)	1
Copper 64 (Cu 64)	100
Dysprosium 165 (Dy 165)	10
Dysprosium 166 (Dy 166)	100
Erbium 169 (Er 169)	100
Erbium 171 (Er 171)	100
Europium 152 9.2 h (Eu 152 9.2 h)	100
Europium 152 13 yr (Eu 152 13 yr)	1
Europium 154 (Eu 154)	1
Europium 155 (Eu 155)	10
Fluorine 18 (F 18)	1,000
Gadolinium 153 (Gd 153)	10
Gadolinium 159 (Gd 159)	100
Gallium 67 (Ga 67)	100
Gallium 72 (Ga 72)	10
Germanium 68 (Ge 68)	10
Germanium 71 (Ge 71)	100
Gold 195 (Au 195)	10
Gold 198 (Au 198)	100
Gold 199 (Au 199)	100
Hafnium 181 (Hf 181)	10
Holmium 166 (Ho 166)	100
Hydrogen 3 (H 3)	1,000
Indium 111 (In 111)	100
Indium 113m (In 113m)	100
Indium 114m (In 114m)	10
Indium 115m (In 115m)	100
Indium 115 (In 115)	10
Iodine 123 (I 123)	100
Iodine 125 (I 125)	1
Iodine 126 (I 126)	1
Iodine 129 (I 129)	0.1
Iodine 131 (I 131)	1
Iodine 132 (I 132)	10
Iodine 133 (I 133)	1
Iodine 134 (I 134)	10
Iodine 135 (I 135)	10

Iridium 192 (Ir 192)	10
Iridium 194 (Ir 194)	100
Iron 52 (Fe 52)	10
Iron 55 (Fe 55)	100
Iron 59 (Fe 59)	10
Krypton 85 (Kr 85)	100
Krypton 87 (Kr 87)	10
Lanthanum 140 (La 140)	10
Lutetium 177 (Lu 177)	100
Manganese 52 (Mn 52)	10
Manganese 54 (Mn 54)	10
Manganese 56 (Mn 56)	10
Mercury 197m (Hg 197m)	100
Mercury 197 (Hg 197)	100
Mercury 203 (Hg 203)	10
Molybdenum 99 (Mo 99)	100
Neodymium 147 (Nd 147)	100
Neodymium 149 (Nd 149)	100
Nickel 59 (Ni 59)	100
Nickel 63 (Ni 63)	10
Nickel 65 (Ni 65)	100
Niobium 93m (Nb 93m)	10
Niobium 95 (Nb 95)	10
Niobium 97 (Nb 97)	10
Osmium 185 (Os 185)	10
Osmium 191m (Os 191m)	100
Osmium 191 (Os 191)	100
Osmium 193 (Os 193)	100
Palladium 103 (Pd 103)	100
Palladium 109 (Pd 109)	100
Phosphorus 32 (P 32)	10
Platinum 191 (Pt 191)	100
Platinum 193m (Pt 193m)	100
Platinum 193 (Pt 193)	100
Platinum 197m (Pt 197m)	100
Platinum 197 (Pt 197)	100
Polonium 210 (Po 210)	0.1
Potassium 42 (K 42)	10
Potassium 43 (K 43)	10
Praseodymium 142 (Pr 142)	100
Praseodymium 143 (Pr 143)	100
Promethium 147 (Pm 147)	10
Promethium 149 (Pm 149)	10

Rhenium 186 (Re 186)	100
Rhenium 188 (Re 188)	100
Rhodium 103m (Rh 103m)	100
Rhodium 105 (Rh 105)	100
Rubidium 81 (Rb 81)	10
Rubidium 86 (Rb 86)	10
Rubidium 87 (Rb 87)	10
Ruthenium 97 (Ru 97)	100
Ruthenium 103 (Ru 103)	10
Ruthenium 105 (Ru 105)	10
Ruthenium 106 (Ru 106)	1
Samarium 151 (Sm 151)	10
Samarium 153 (Sm 153)	100
Scandium 46 (Sc 46)	10
Scandium 47 (Sc 47)	100
Scandium 48 (Sc 48)	10
Selenium 75 (Se 75)	10
Silicon 31 (Si 31)	100
Silver 105 (Ag 105)	10
Silver 110m (Ag 110m)	1
Silver 111 (Ag 111)	100
Sodium 22 (Na 22)	10
Sodium 24 (Na 24)	10
Strontium 85 (Sr 85)	10
Strontium 89 (Sr 89)	1
Strontium 90 (Sr 90)	0.1
Strontium 91 (Sr 91)	10
Strontium 92 (Sr 92)	10
Sulphur 35 (S 35)	100
Tantalum 182 (Ta 182)	10
Technetium 96 (Tc 96)	10
Technetium 97m (Tc 97m)	100
Technetium 97 (Tc 97)	100
Technetium 99m (Tc 99m)	100
Technetium 99 (Tc 99)	10
Tellurium 125m (Te 125m)	10
Tellurium 127m (Te 127m)	10
Tellurium 127 (Te 127)	100
Tellurium 129m (Te 129m)	10
Tellurium 129 (Te 129)	100
Tellurium 131m (Te 131m)	10
Tellurium 132 (Te 132)	10
Terbium 160 (Tb 160)	10

Thallium 200 (Tl 200)	100
Thallium 201 (Tl 201)	100
Thallium 202 (Tl 202)	100
Thallium 204 (Tl 204)	10
Thulium 170 (Tm 170)	10
Thulium 171 (Tm 171)	10
Tin 113 (Sn 113)	10
Tin 125 (Sn 125)	10
Tungsten 181 (W 181)	10
Tungsten 185 (W 185)	10
Tungsten 187 (W 187)	100
Vanadium 48 (V 48)	10
Xenon 131m (Xe 131m)	1,000
Xenon 133 (Xe 133)	100
Xenon 135 (Xe 135)	100
Ytterbium 175 (Yb 175)	100
Yttrium 87 (Y 87)	10
Yttrium 88 (Y 88)	10
Yttrium 90 (Y 90)	10
Yttrium 91 (Y 91)	10
Yttrium 92 (Y 92)	100
Yttrium 93 (Y 93)	100
Zinc 65 (Zn 65)	10
Zinc 69m (Zn 69m)	100
Zinc 69 (Zn 69)	1,000
Zirconium 93 (Zr 93)	10
Zirconium 95 (Zr 95)	10
Zirconium 97 (Zr 97)	10
Any byproduct material not listed above other than alpha emitting byproduct material	0.1

[35 FR 6427, Apr. 22, 1970, as amended at 36 FR 16898, Aug. 26, 1971; 59 FR 5519, Feb. 7, 1994; 72 FR 55926, Oct. 1, 2007]

§ 30.72 Schedule C—Quantities of radioactive materials requiring consideration of the need for an emergency plan for responding to a release.

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Radioactive material[1]	Release fraction	Quantity (curies)
Actinium-228	0.001	4,000
Americium-241	.001	2
Americium-242	.001	2
Americium-243	.001	2
Antimony-124	.01	4,000

Antimony-126	.01	6,000
Barium-133	.01	10,000
Barium-140	.01	30,000
Bismuth-207	.01	5,000
Bismuth-210	.01	600
Cadmium-109	.01	1,000
Cadmium-113	.01	80
Calcium-45	.01	20,000
Californium-252	.001	9 (20 mg)
Carbon-14 (non-carbon dioxide)	.01	50,000
Cerium-141	.01	10,000
Cerium-144	.01	300
Cesium-134	.01	2,000
Cesium-137	.01	3,000
Chlorine-36	.5	100
Chromium-51	.01	300,000
Cobalt-60	.001	5,000
Copper-64	.01	200,000
Curium-242	.001	60
Curium-243	.001	3
Curium-244	.001	4
Curium-245	.001	2
Europium-152	.01	500
Europium-154	.01	400
Europium-155	.01	3,000
Germanium-68	.01	2,000
Gadolinium-153	.01	5,000
Gold-198	.01	30,000
Hafnium-172	.01	400
Hafnium-181	.01	7,000
Holmium-166m	.01	100
Hydrogen-3	.5	20,000
Iodine-125	.5	10
Iodine-131	.5	10
Indium-114m	.01	1,000
Iridium-192	.001	40,000
Iron-55	.01	40,000
Iron-59	.01	7,000
Krypton-85	1.0	6,000,000
Lead-210	.01	8
Manganese-56	.01	60,000
Mercury-203	.01	10,000
Molybdenum-99	.01	30,000

Neptunium-237	.001	2
Nickel-63	.01	20,000
Niobium-94	.01	300
Phosphorus-32	.5	100
Phosphorus-33	.5	1,000
Polonium-210	.01	10
Potassium-42	.01	9,000
Promethium-145	.01	4,000
Promethium-147	.01	4,000
Radium-226	0.001	100
Ruthenium-106	.01	200
Samarium-151	.01	4,000
Scandium-46	.01	3,000
Selenium-75	.01	10,000
Silver-110m	.01	1,000
Sodium-22	.01	9,000
Sodium-24	.01	10,000
Strontium-89	.01	3,000
Strontium-90	.01	90
Sulfur-35	.5	900
Technitium-99	.01	10,000
Technitium-99m	.01	400,000
Tellurium-127m	.01	5,000
Tellurium-129m	.01	5,000
Terbium-160	.01	4,000
Thulium-170	.01	4,000
Tin-113	.01	10,000
Tin-123	.01	3,000
Tin-126	.01	1,000
Titanium-44	.01	100
Vanadium-48	.01	7,000
Xenon-133	1.0	900,000
Yttrium-91	.01	2,000
Zinc-65	.01	5,000
Zirconium-93	.01	400
Zirconium-95	.01	5,000
Any other beta-gamma emitter	.01	10,000
Mixed fission products	.01	1,000
Mixed corrosion products	.01	10,000
Contaminated equipment beta-gamma	.001	10,000
Irradiated material, any form other than solid noncombustible	.01	1,000
Irradiated material, solid noncombustible	.001	10,000

Mixed radioactive waste, beta-gamma	.01	1,000
Packaged mixed waste, beta-gamma[4]	.001	10,000
Any other alpha emitter	.001	2
Contaminated equipment, alpha	.0001	20
Packaged waste, alpha[4]	.0001	20
Combinations of radioactive materials listed above[1]		

[1]For combinations of radioactive materials, consideration of the need for an emergency plan is required if the sum of the ratios of the quantity of each radioactive material authorized to the quantity listed for that material in Schedule C exceeds one.

[2]Waste packaged in Type B containers does not require an emergency plan.

[54 FR 14061, Apr. 7, 1989, as amended at 61 FR 9902, Mar. 12, 1996; 72 FR 55926, Oct. 1, 2007]

Appendix A to Part 30—Criteria Relating to Use of Financial Tests and Parent Company Guarantees for Providing Reasonable Assurance of Funds for Decommissioning

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I. Introduction

An applicant or licensee may provide reasonable assurance of the availability of funds for decommissioning based on obtaining a parent company guarantee that funds will be available for decommissioning costs and on a demonstration that the parent company passes a financial test. This appendix establishes criteria for passing the financial test and for obtaining the parent company guarantee.

II. Financial Test

A. To pass the financial test, the parent company must meet the criteria of either paragraph A.1 or A.2 of this section:

1. The parent company must have:

(i) Two of the following three ratios: A ratio of total liabilities to net worth less than 2.0; a ratio of the sum of net income plus depreciation, depletion, and amortization to total liabilities greater than 0.1; and a ratio of current assets to current liabilities greater than 1.5; and

(ii) Net working capital and tangible net worth each at least six times the current decommissioning cost estimates for the total of all facilities or parts thereof (or prescribed amount if a certification is used), or, for a power reactor licensee, at least six times the amount of decommissioning funds being assured by a parent company guarantee for the total of all reactor units or parts thereof (Tangible net worth shall be calculated to exclude the net book value of the nuclear unit(s)); and

(iii) Tangible net worth of at least $10 million; and

(iv) Assets located in the United States amounting to at least 90 percent of the total assets or at least six times the current decommissioning cost estimates for the total of all facilities or parts thereof (or prescribed amount if a certification is used), or, for a power reactor licensee, at least six times the amount of decommissioning funds being assured by a parent company guarantee for the total of all reactor units or parts thereof.

2. The parent company must have:

(i) A current rating for its most recent bond issuance of AAA, AA, A, or BBB as issued by Standard and

Poor's or Aaa, Aa, A, or Baa as issued by Moody's; and

(ii) Tangible net worth each at least six times the current decommissioning cost estimates for the total of all facilities or parts thereof (or prescribed amount if a certification is used), or, for a power reactor licensee, at least six times the amount of decommissioning funds being assured by a parent company guarantee for the total of all reactor units or parts thereof (Tangible net worth shall be calculated to exclude the net book value of the nuclear unit(s)); and

(iii) Tangible net worth of at least $10 million; and

(iv) Assets located in the United States amounting to at least 90 percent of the total assets or at least six times the current decommissioning cost estimates for the total of all facilities or parts thereof (or prescribed amount if a certification is used), or, for a power reactor licensee, at least six times the amount of decommissioning funds being assured by a parent company guarantee for the total of all reactor units or parts thereof.

B. The parent company's independent certified public accountant must have compared the data used by the parent company in the financial test, which is derived from the independently audited, year end financial statements for the latest fiscal year, with the amounts in such financial statement. In connection with that procedure the licensee shall inform NRC within 90 days of any matters coming to the auditor's attention which cause the auditor to believe that the data specified in the financial test should be adjusted and that the company no longer passes the test.

C. 1. After the initial financial test, the parent company must repeat the passage of the test within 90 days after the close of each succeeding fiscal year.

2. If the parent company no longer meets the requirements of paragraph A of this section, the licensee must send notice to the Commission of intent to establish alternate financial assurance as specified in the Commission's regulations. The notice must be sent by certified mail within 90 days after the end of the fiscal year for which the year end financial data show that the parent company no longer meets the financial test requirements. The licensee must provide alternate financial assurance within 120 days after the end of such fiscal year.

III. Parent Company Guarantee

The terms of a parent company guarantee which an applicant or licensee obtains must provide that:

A. The parent company guarantee will remain in force unless the guarantor sends notice of cancellation by certified mail to the licensee and the Commission. Cancellation may not occur, however, during the 120 days beginning on the date of receipt of the notice of cancellation by both the licensee and the Commission, as evidenced by the return receipts.

B. If the licensee fails to provide alternate financial assurance as specified in the Commission's regulations within 90 days after receipt by the licensee and Commission of a notice of cancellation of the parent company guarantee from the guarantor, the guarantor will provide such alternative financial assurance in the name of the licensee.

C. The parent company guarantee and financial test provisions must remain in effect until the Commission has terminated the license.

D. If a trust is established for decommissioning costs, the trustee and trust must be acceptable to the Commission. An acceptable trustee includes an appropriate State or Federal Government agency or an entity which has the authority to act as a trustee and whose trust operations are regulated and examined by a Federal or State agency.

[53 FR 24046, June 27, 1988, as amended at 63 FR 50479, Sept. 22, 1998]

Appendix B to Part 30—Quantities[1] of Licensed Material Requiring Labeling

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Material	Microcuries

Americium-241	.01
Antimony-122	100
Antimony-124	10
Antimony-125	10
Arsenic-73	100
Arsenic-74	10
Arsenic-76	10
Arsenic-77	100
Barium-131	10
Barium-133	10
Barium-140	10
Bismuth-210	1
Bromine-82	10
Cadmium-109	10
Cadmium-115m	10
Cadmium-115	100
Calcium-45	10
Calcium-47	10
Carbon-14	100
Cerium-141	100
Cerium-143	100
Cerium-144	1
Cesium-131	1,000
Cesium-134m	100
Cesium-134	1
Cesium-135	10
Cesium-136	10
Cesium-137	10
Chlorine-36	10
Chlorine-38	10
Chromium-51	1,000
Cobalt-58m	10
Cobalt-58	10
Cobalt-60	1
Copper-64	100
Dysprosium-165	10
Dysprosium-166	100
Erbium-169	100
Erbium-171	100
Europium-152 9.2 h	100
Europium-152 13 yr	1
Europium-154	1
Europium-155	10

Fluorine-18	1,000
Gadolinium-153	10
Gadolinium-159	100
Gallium-72	10
Germanium-71	100
Gold-198	100
Gold-199	100
Hafnium-181	10
Holmium-166	100
Hydrogen-3	1,000
Indium-113m	100
Indium-114m	10
Indium-115m	100
Indium-115	10
Iodine-125	1
Iodine-126	1
Iodine-129	0.1
Iodine-131	1
Iodine-132	10
Iodine-133	1
Iodine-134	10
Iodine-135	10
Iridium-192	10
Iridium-194	100
Iron-55	100
Iron-59	10
Krypton-85	100
Krypton-87	10
Lanthanum-140	10
Lutetium-177	100
Manganese-52	10
Manganese-54	10
Manganese-56	10
Mercury-197m	100
Mercury-197	100
Mercury-203	10
Molybdenum-99	100
Neodymium-147	100
Neodymium-149	100
Nickel-59	100
Nickel-63	10
Nickel-65	100
Niobium-93m	10

Niobium-95	10
Niobium-97	10
Osmium-185	10
Osmium-191m	100
Osmium-191	100
Osmium-193	100
Palladium-103	100
Palladium-109	100
Phosphorus-32	10
Platinum-191	100
Platinum-193m	100
Platinum-193	100
Platinum-197m	100
Platinum-197	100
Plutonium-239	.01
Polonium-210	0.1
Potassium-42	10
Praseodymium-142	100
Praseodymium-143	100
Promethium-147	10
Promethium-149	10
Radium-226	.01
Rhenium-186	100
Rhenium-188	100
Rhodium-103m	100
Rhodium-105	100
Rubidium-86	10
Rubidium-87	10
Ruthenium-97	100
Ruthenium-103	10
Ruthenium-105	10
Ruthenium-106	1
Samarium-151	10
Samarium-153	100
Scandium-46	10
Scandium-47	100
Scandium-48	10
Selenium-75	10
Silicon-31	100
Silver-105	10
Silver-110m	1
Silver-111	100
Sodium-24	10

Strontium-85	10
Strontium-89	1
Strontium-90	0.1
Strontium-91	10
Strontium-92	10
Sulphur-35	100
Tantalum-182	10
Technetium-96	10
Technetium-97m	100
Technetium-97	100
Technetium-99m	100
Technetium-99	10
Tellurium-125m	10
Tellurium-127m	10
Tellurium-127	100
Tellurium-129m	10
Tellurium-129	100
Tellurium-131m	10
Tellurium-132	10
Terbium-160	10
Thallium-200	100
Thallium-201	100
Thallium-202	100
Thallium-204	10
Thorium (natural)[1]	100
Thulium-170	10
Thulium-171	10
Tin-113	10
Tin-125	10
Tungsten-181	10
Tungsten-185	10
Tungsten-187	100
Uranium (natural)[2]	100
Uranium-233	.01
Uranium-234—Uranium-235	.01
Vanadium-48	10
Xenon-131m	1,000
Xenon-133	100
Xenon-135	100
Ytterbium-175	100
Yttrium-90	10
Yttrium-91	10

Yttrium-92	100
Yttrium-93	100
Zinc-65	10
Zinc-69m	100
Zinc-69	1,000
Zirconium-93	10
Zirconium-95	10
Zirconium-97	10
Any alpha emitting radionuclide not listed above or mixtures of alpha emitters of unknown composition	.01
Any radionuclide other than alpha emitting radionuclides, not listed above or mixtures of beta emitters of unknown composition	.1

[1]Based on alpha disintegration rate of Th-232, Th-230 and their daughter products.

[2]Based on alpha disintegration rate of U-238, U-234, and U-235.

Note: For purposes of §20.303, where there is involved a combination of isotopes in known amounts, the limit for the combination should be derived as follows: Determine, for each isotope in the combination, the ratio between the quantity present in the combination and the limit otherwise established for the specific isotope when not in combination. The sum of such ratios for all the isotopes in the combination may not exceed "1" (i.e., "unity").

[35 FR 6425, Apr. 22, 1970, as amended at 36 FR 16898, Aug. 26, 1971; 38 FR 29314, Oct. 24, 1973; 39 FR 23991, June 28, 1974; 45 FR 71763, Oct. 30, 1980. Redesignated at 56 FR 23391, May 21, 1991, and further redesignated at 58 FR 67659, Dec. 22, 1993]

Appendix C to Part 30—Criteria Relating to Use of Financial Tests and Self Guarantees for Providing Reasonable Assurance of Funds for Decommissioning

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I. Introduction

An applicant or licensee may provide reasonable assurance of the availability of funds for decommissioning based on furnishing its own guarantee that funds will be available for decommissioning costs and on a demonstration that the company passes the financial test of Section II of this appendix. The terms of the self-guarantee are in Section III of this appendix. This appendix establishes criteria for passing the financial test for the self guarantee and establishes the terms for a self-guarantee.

II. Financial Test

A. To pass the financial test, a company must meet all of the following criteria:

(1) Tangible net worth at least 10 times the total current decommissioning cost estimate for the total of all facilities or parts thereof (or the current amount required if certification is used), or, for a power reactor licensee, at least 10 times the amount of decommissioning funds being assured by a self guarantee, for all decommissioning activities for which the company is responsible as self-guaranteeing licensee and as parent-guarantor for the total of all reactor units or parts thereof (Tangible net worth shall be calculated to exclude the net book value of the nuclear unit(s)).

(2) Assets located in the United States amounting to at least 90 percent of total assets or at least 10 times the total current decommissioning cost estimate for the total of all facilities or parts thereof (or the

current amount required if certification is used), or, for a power reactor licensee, at least 10 times the amount of decommissioning funds being assured by a self guarantee, for all decommissioning activities for which the company is responsible as self-guaranteeing licensee and as parent-guarantor for the total of all reactor units or parts thereof.

(3) A current rating for its most recent bond issuance of AAA, AA, or A as issued by Standard and Poors (S&P), or Aaa, Aa, or A as issued by Moodys.

B. To pass the financial test, a company must meet all of the following additional requirements:

(1) The company must have at least one class of equity securities registered under the Securities Exchange Act of 1934.

(2) The company's independent certified public accountant must have compared the data used by the company in the financial test which is derived from the independently audited, yearend financial statements for the latest fiscal year, with the amounts in such financial statement. In connection with that procedure, the licensee shall inform NRC within 90 days of any matters coming to the attention of the auditor that cause the auditor to believe that the data specified in the financial test should be adjusted and that the company no longer passes the test.

(3) After the initial financial test, the company must repeat passage of the test within 90 days after the close of each succeeding fiscal year.

C. If the licensee no longer meets the requirements of Section II.A. of this appendix, the licensee must send immediate notice to the Commission of its intent to establish alternate financial assurance as specified in the Commission's regulations within 120 days of such notice.

III. Company Self-Guarantee

The terms of a self-guarantee which an applicant or licensee furnishes must provide that:

A. The guarantee will remain in force unless the licensee sends notice of cancellation by certified mail to the Commission. Cancellation may not occur, however, during the 120 days beginning on the date of receipt of the notice of cancellation by the Commission, as evidenced by the return receipt.

B. The licensee shall provide alternative financial assurance as specified in the Commission's regulations within 90 days following receipt by the Commission of a notice of cancellation of the guarantee.

C. The guarantee and financial test provisions must remain in effect until the Commission has terminated the license or until another financial assurance method acceptable to the Commission has been put in effect by the licensee.

D. The licensee will promptly forward to the Commission and the licensee's independent auditor all reports covering the latest fiscal year filed by the licensee with the Securities and Exchange Commission pursuant to the requirements of section 13 of the Securities and Exchange Act of 1934.

E. If, at any time, the licensee's most recent bond issuance ceases to be rated in any category of "A" or above by either Standard and Poors or Moodys, the licensee will provide notice in writing of such fact to the Commission within 20 days after publication of the change by the rating service. If the licensee's most recent bond issuance ceases to be rated in any category of A or above by both Standard and Poors and Moodys, the licensee no longer meets the requirements of Section II.A. of this appendix.

F. The applicant or licensee must provide to the Commission a written guarantee (a written commitment by a corporate officer) which states that the licensee will fund and carry out the required decommissioning activities or, upon issuance of an order by the Commission, the licensee will set up and fund a trust in the amount of the current cost estimates for decommissioning.

[58 FR 68730, Dec. 29, 1993; 59 FR 1618, Jan. 12, 1994, as amended at 63 FR 50479, Sept. 22, 1998]

Appendix D to Part 30—Criteria Relating to Use of Financial Tests and Self-Guarantee for Providing Reasonable Assurance of Funds for Decommissioning by Commercial Companies That Have No Outstanding Rated Bonds

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I. Introduction

An applicant or licensee may provide reasonable assurance of the availability of funds for decommissioning based on furnishing its own guarantee that funds will be available for decommissioning costs and on a demonstration that the company passes the financial test of Section II of this appendix. The terms of the self-guarantee are in Section III of this appendix. This appendix establishes criteria for passing the financial test for the self-guarantee and establishes the terms for a self-guarantee.

II. Financial Test

A. To pass the financial test a company must meet the following criteria:

(1) Tangible net worth greater than $10 million, or at least 10 times the total current decommissioning cost estimate (or the current amount required if certification is used), whichever is greater, for all decommissioning activities for which the company is responsible as self-guaranteeing licensee and as parent-guarantor.

(2) Assets located in the United States amounting to at least 90 percent of total assets or at least 10 times the total current decommissioning cost estimate (or the current amount required if certification is used) for all decommissioning activities for which the company is responsible as self-guaranteeing licensee and as parent-guarantor.

(3) A ratio of cash flow divided by total liabilities greater than 0.15 and a ratio of total liabilities divided by net worth less than 1.5.

B. In addition, to pass the financial test, a company must meet all of the following requirements:

(1) The company's independent certified public accountant must have compared the data used by the company in the financial test, which is required to be derived from the independently audited year end financial statement based on United States generally accepted accounting practices for the latest fiscal year, with the amounts in such financial statement. In connection with that procedure, the licensee shall inform NRC within 90 days of any matters that may cause the auditor to believe that the data specified in the financial test should be adjusted and that the company no longer passes the test.

(2) After the initial financial test, the company must repeat passage of the test within 90 days after the close of each succeeding fiscal year.

(3) If the licensee no longer meets the requirements of paragraph II.A of this appendix, the licensee must send notice to the NRC of intent to establish alternative financial assurance as specified in NRC regulations. The notice must be sent by certified mail, return receipt requested, within 90 days after the end of the fiscal year for which the year end financial data show that the licensee no longer meets the financial test requirements. The licensee must provide alternative financial assurance within 120 days after the end of such fiscal year.

III. Company Self-Guarantee

The terms of a self-guarantee which an applicant or licensee furnishes must provide that:

A. The guarantee shall remain in force unless the licensee sends notice of cancellation by certified mail, return receipt requested, to the NRC. Cancellation may not occur until an alternative financial assurance mechanism is in place.

B. The licensee shall provide alternative financial assurance as specified in the regulations within 90 days following receipt by the NRC of a notice of cancellation of the guarantee.

C. The guarantee and financial test provisions must remain in effect until the Commission has terminated the license or until another financial assurance method acceptable to the Commission has been put in effect by the licensee.

D. The applicant or licensee must provide to the Commission a written guarantee (a written commitment by a corporate officer) which states that the licensee will fund and carry out the required decommissioning activities or, upon issuance of an order by the Commission, the licensee will set up and fund a trust in the amount of the current cost estimates for decommissioning.

[63 FR 29542, June 1, 1998]

Appendix E to Part 30—Criteria Relating to Use of Financial Tests and Self-Guarantee For Providing Reasonable Assurance of Funds For Decommissioning by Nonprofit Colleges, Universities, and Hospitals

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I. Introduction

An applicant or licensee may provide reasonable assurance of the availability of funds for decommissioning based on furnishing its own guarantee that funds will be available for decommissioning costs and on a demonstration that the applicant or licensee passes the financial test of Section II of this appendix. The terms of the self-guarantee are in Section III of this appendix. This appendix establishes criteria for passing the financial test for the self-guarantee and establishes the terms for a self-guarantee.

II. Financial Test

A. For colleges and universities, to pass the financial test a college or university must meet either the criteria in Paragraph II.A.(1) or the criteria in Paragraph II.A.(2) of this appendix.

(1) For applicants or licensees that issue bonds, a current rating for its most recent uninsured, uncollateralized, and unencumbered bond issuance of AAA, AA, or A as issued by Standard and Poors (S&P) or Aaa, Aa, or A as issued by Moodys.

(2) For applicants or licensees that do not issue bonds, unrestricted endowment consisting of assets located in the United States of at least $50 million, or at least 30 times the total current decommissioning cost estimate (or the current amount required if certification is used), whichever is greater, for all decommissioning activities for which the college or university is responsible as a self-guaranteeing licensee.

B. For hospitals, to pass the financial test a hospital must meet either the criteria in Paragraph II.B.(1) or the criteria in Paragraph II.B.(2) of this appendix:

(1) For applicants or licensees that issue bonds, a current rating for its most recent uninsured, uncollateralized, and unencumbered bond issuance of AAA, AA, or A as issued by Standard and Poors (S&P) or Aaa, Aa, or A as issued by Moodys.

(2) For applicants or licensees that do not issue bonds, all the following tests must be met:

(a) (Total Revenues less total expenditures) divided by total revenues must be equal to or greater than 0.04.

(b) Long term debt divided by net fixed assets must be less than or equal to 0.67.

(c) (Current assets and depreciation fund) divided by current liabilities must be greater than or equal to 2.55.

(d) Operating revenues must be at least 100 times the total current decommissioning cost estimate (or the current amount required if certification is used) for all decommissioning activities for which the hospital is responsible as a self-guaranteeing license.

C. In addition, to pass the financial test, a licensee must meet all the following requirements:

(1) The licensee's independent certified public accountant must have compared the data used by the

licensee in the financial test, which is required to be derived from the independently audited year end financial statements, based on United States generally accepted accounting practices, for the latest fiscal year, with the amounts in such financial statement. In connection with that procedure, the licensee shall inform NRC within 90 days of any matters coming to the attention of the auditor that cause the auditor to believe that the data specified in the financial test should be adjusted and that the licensee no longer passes the test.

(2) After the initial financial test, the licensee must repeat passage of the test within 90 days after the close of each succeeding fiscal year.

(3) If the licensee no longer meets the requirements of Section I of this appendix, the licensee must send notice to the NRC of its intent to establish alternative financial assurance as specified in NRC regulations. The notice must be sent by certified mail, return receipt requested, within 90 days after the end of the fiscal year for which the year end financial data show that the licensee no longer meets the financial test requirements. The licensee must provide alternate financial assurance within 120 days after the end of such fiscal year.

III. Self-Guarantee

The terms of a self-guarantee which an applicant or licensee furnishes must provide that—

A. The guarantee shall remain in force unless the licensee sends notice of cancellation by certified mail, and/or return receipt requested, to the Commission. Cancellation may not occur unless an alternative financial assurance mechanism is in place.

B. The licensee shall provide alternative financial assurance as specified in the Commission's regulations within 90 days following receipt by the Commission of a notice of cancellation of the guarantee.

C. The guarantee and financial test provisions must remain in effect until the Commission has terminated the license or until another financial assurance method acceptable to the Commission has been put in effect by the licensee.

D. The applicant or licensee must provide to the Commission a written guarantee (a written commitment by a corporate officer or officer of the institution) which states that the licensee will fund and carry out the required decommissioning activities or, upon issuance of an order by the Commission, the licensee will set up and fund a trust in the amount of the current cost estimates for decommissioning.

E. If, at any time, the licensee's most recent bond issuance ceases to be rated in any category of "A" or above by either Standard and Poors or Moodys, the licensee shall provide notice in writing of such fact to the Commission within 20 days after publication of the change by the rating service.

[63 FR 29542, June 1, 1998]

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PART 31—GENERAL DOMESTIC LICENSES FOR BYPRODUCT MATERIAL

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§ 31.22 Violations.
§ 31.23 Criminal penalties.

Authority: Secs. 81, 161, 183, 68 Stat. 935, 948, 954, as amended (42 U.S.C. 2111, 2201, 2233); secs. 201, as amended, 202, 88 Stat. 1242, as amended, 1244 (42 U.S.C. 5841, 5842); sec. 1704, 112 Stat. 2750 (44 U.S.C. 3504 note); sec. 651(e), P. Law 109–58, 119 Stat. 806–810 (42 U.S.C. 2014, 2021, 2021b, 2111).

§ 31.1 Purpose and scope.

top

This part establishes general licenses for the possession and use of byproduct material and a general license for ownership of byproduct material. Specific provisions of 10 CFR Part 30 are applicable to general licenses established by this part. These provisions are specified in §31.2 or in the particular general license.

[65 FR 79187, Dec. 18, 2000]

§ 31.2 Terms and conditions.

top

The general licenses provided in this part are subject to the general provisions of Part 30 of this chapter (§§30.1 through 30.10), the provisions of §§30.14(d), 30.34(a) to (e), 30.41, 30.50 to 30.53, 30.61 to 30.63, and Parts 19, 20, and 21, of this chapter[1] unless indicated otherwise in the specific provision of the general license.

[1] Attention is directed particularly to the provisions of Part 20 of this chapter concerning labeling of containers.

[65 FR 79187, Dec. 18, 2000]

§ 31.3 Certain devices and equipment.

top

A general license is hereby issued to transfer, receive, acquire, own, possess and use byproduct material incorporated in the following devices or equipment which have been manufactured, tested and labeled by the manufacturer in accordance with the specifications contained in a specific license issued to him by the Commission.

(a) *Static elimination device.* Devices designed for use as static eliminators which contain, as a sealed source or sources, byproduct material consisting of a total of not more than 500 microcuries of polonium 210 per device.

(b)–(c) [Reserved]

(d) *Ion generating tube.* Devices designed for ionization of air which contain, as a sealed source or sources, byproduct material consisting of a total of not more than 500 microcuries of polonium 210 per device or of a total of not more than 50 millicuries of hydrogen 3 (tritium) per device.

[30 FR 8189, June 26, 1965, as amended at 34 FR 6652, Apr. 18, 1969; 35 FR 3982, Mar. 3, 1970]

§ 31.4 Information collection requirements: OMB approval.

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(a) The Nuclear Regulatory Commission has submitted the information collection requirements contained in this part to the Office of Management and Budget (OMB) for approval as required by the Paperwork Reduction Act (44 U.S.C. 3501 et seq.). The NRC may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. OMB has approved the information collection requirements contained in this part under control number 3150–0016.

(b) The approved information collection requirements contained in this part appear in §§31.5, 31.8, 31.11, and 31.12.

(c) This part contains information collection requirements in addition to those approved under the control number specified in paragraph (a) of this section. These information collection requirements and the control numbers under which they are approved are as follows:

(1) In §31.11. NRC Form 483 is approved under control number 3150–0038.

(2) [Reserved]

[62 FR 52186, Oct. 6, 1997, as amended at 67 FR 67099, Nov. 4, 2002; 72 FR 55926, Oct. 1, 2007]

§ 31.5 Certain detecting, measuring, gauging, or controlling devices and certain devices for producing light or an ionized atmosphere.[2]

top

[2] Persons possessing byproduct material in devices under a general license in §31.5 before January 15, 1975, may continue to possess, use, or transfer that material in accordance with the labeling requirements of §31.5 in effect on January 14, 1975.

(a) A general license is hereby issued to commercial and industrial firms and research, educational and medical institutions, individuals in the conduct of their business, and Federal, State or local government agencies to acquire, receive, possess, use or transfer, in accordance with the provisions of paragraphs (b), (c) and (d) of this section, byproduct material contained in devices designed and manufactured for the purpose of detecting, measuring, gauging or controlling thickness, density, level, interface location, radiation, leakage, or qualitative or quantitative chemical composition, or for producing light or an ionized atmosphere.

(b)(1) The general license in paragraph (a) of this section applies only to byproduct material contained in devices which have been manufactured or initially transferred and labeled in accordance with the specifications contained in—

(i) A specific license issued under §32.51 of this chapter; or

(ii) An equivalent specific license issued by an Agreement State; or

(iii) An equivalent specific license issued by a State with provisions comparable to §32.51 of this chapter.

(2) The devices must have been received from one of the specific licensees described in paragraph (b)(1) of this section or through a transfer made under paragraph (c)(9) of this section.

(c) Any person who acquires, receives, possesses, uses or transfers byproduct material in a device pursuant to the general license in paragraph (a) of this section:

(1) Shall assure that all labels affixed to the device at the time of receipt and bearing a statement that removal of the label is prohibited are maintained thereon and shall comply with all instructions and precautions provided by such labels;

(2) Shall assure that the device is tested for leakage of radioactive material and proper operation of the on-off mechanism and indicator, if any, at no longer than six-month intervals or at such other intervals as are specified in the label; however:

(i) Devices containing only krypton need not be tested for leakage of radioactive material, and

(ii) Devices containing only tritium or not more than 100 microcuries of other beta and/or gamma emitting material or 10 microcuries of alpha emitting material and devices held in storage in the original shipping container prior to initial installation need not be tested for any purpose;

(3) Shall assure that the tests required by paragraph (c)(2) of this section and other testing, installation, servicing, and removal from installation involving the radioactive materials, its shielding or containment, are performed:

(i) In accordance with the instructions provided by the labels; or

(ii) By a person holding a specific license pursuant to parts 30 and 32 of this chapter or from an Agreement State to perform such activities;

(4) Shall maintain records showing compliance with the requirements of paragraphs (c)(2) and (c)(3) of this section. The records must show the results of tests. The records also must show the dates of performance of, and the names of persons performing, testing, installing, servicing, and removing from the installation radioactive material and its shielding or containment. The licensee shall retain these records as follows:

(i) Each record of a test for leakage or radioactive material required by paragraph (c)(2) of this section must be retained for three years after the next required leak test is performed or until the sealed source is transferred or disposed of.

(ii) Each record of a test of the on-off mechanism and indicator required by paragraph (c)(2) of this section must be retained for three years after the next required test of the on-off mechanism and indicator is performed or until the sealed source is transferred or disposed of.

(iii) Each record that is required by paragraph (c)(3) of this section must be retained for three years from the date of the recorded event or until the device is transferred or disposed of.

(5) Shall immediately suspend operation of the device if there is a failure of, or damage to, or any indication of a possible failure of or damage to, the shielding of the radioactive material or the on-off mechanism or indicator, or upon the detection of 185 bequerel (0.005 microcurie) or more removable radioactive material. The device may not be operated until it has been repaired by the manufacturer or other person holding a specific license to repair such devices that was issued under parts 30 and 32 of this chapter or by an Agreement State. The device and any radioactive material from the device may only be disposed of by transfer to a person authorized by a specific license to receive the byproduct material in the device or as otherwise approved by the Commission. A report containing a brief description of the event and the remedial action taken; and, in the case of detection of 0.005 microcurie or more removable radioactive material or failure of or damage to a source likely to result in contamination of the premises or the environs, a plan for ensuring that the premises and environs are acceptable for unrestricted use, must be furnished to the Director, Office of Federal and State Materials and Environmental Management Programs, ATTN: GLTS, U.S. Nuclear Regulatory Commission, Washington, DC 20555--0001 within 30 days. Under these circumstances, the criteria set out in §20.1402 of this chapter, "Radiological criteria for unrestricted use," may be applicable, as determined by the Commission on a case-by-case basis;

(6) Shall not abandon the device containing byproduct material;

(7) Shall not export the device containing byproduct material except in accordance with part 110 of this chapter;

(8)(i) Shall transfer or dispose of the device containing byproduct material only by export as provided by paragraph (c)(7) of this section, by transfer to another general licensee as authorized in paragraph (c)(9) of this section, or to a person authorized to receive the device by a specific license issued under parts 30 and 32 of this chapter, or part 30 of this chapter that authorizes waste collection, or equivalent regulations of an Agreement State, or as otherwise approved under paragraph (c)(8)(iii) of this section.

(ii) Shall, within 30 days after the transfer of a device to a specific licensee or export, furnish a report to the Director, Office of Federal and State Materials and Environmental Management Programs, ATTN: Document Control Desk/GLTS, using an appropriate method listed in §30.6(a) of this chapter. The report must contain—

(A) The identification of the device by manufacturer's (or initial transferor's) name, model number, and serial number;

(B) The name, address, and license number of the person receiving the device (license number not applicable if exported); and

(C) The date of the transfer.

(iii) Shall obtain written NRC approval before transferring the device to any other specific licensee not specifically identified in paragraph (c)(8)(i) of this section; however, a holder of a specific license may transfer a device for possession and use under its own specific license without prior approval, if, the holder:

(A) Verifies that the specific license authorizes the possession and use, or applies for and obtains an amendment to the license authorizing the possession and use;

(B) Removes, alters, covers, or clearly and unambiguously augments the existing label (otherwise required by paragraph (c)(1) of this section) so that the device is labeled in compliance with §20.1904 of this chapter; however the manufacturer, model number, and serial number must be retained;

(C) Obtains the manufacturer's or initial transferor's information concerning maintenance that would be applicable under the specific license (such as leak testing procedures); and

(D) Reports the transfer under paragraph (c)(8)(ii) of this section.

(9) Shall transfer the device to another general licensee only if—

(i) The device remains in use at a particular location. In this case, the transferor shall give the transferee a copy of this section, a copy of §31.2, 30.51, 20.2201, and 20.2202 of this chapter, and any safety documents identified in the label of the device. Within 30 days of the transfer, the transferor shall report to the Director, Office of Federal and State Materials and Environmental Management Programs, ATTN: Document Control Desk/GLTS, using an appropriate method listed in §30.6(a) of this chapter—

(A) The manufacturer's (or initial transferor's) name;

(B) The model number and the serial number of the device transferred;

(C) The transferee's name and mailing address for the location of use; and

(D) The name, title, and phone number of the responsible individual identified by the transferee in accordance with paragraph (c)(12) of this section to have knowledge of and authority to take actions to ensure compliance with the appropriate regulations and requirements; or

(ii) The device is held in storage by an intermediate person in the original shipping container at its intended location of use prior to initial use by a general licensee.

(10) Shall comply with the provisions of §§20.2201, and 20.2202 of this chapter for reporting radiation incidents, theft or loss of licensed material, but shall be exempt from the other requirements of parts 19, 20, and 21, of this chapter.

(11) Shall respond to written requests from the Nuclear Regulatory Commission to provide information relating to the general license within 30 calendar days of the date of the request, or other time specified in the request. If the general licensee cannot provide the requested information within the allotted time, it shall, within that same time period, request a longer period to supply the information by providing the Director, Office of Federal and State Materials and Environmental Management Programs, by an appropriate method listed in §30.6(a) of this chapter, a written justification for the request.

(12) Shall appoint an individual responsible for having knowledge of the appropriate regulations and requirements and the authority for taking required actions to comply with appropriate regulations and requirements. The general licensee, through this individual, shall ensure the day-to-day compliance with appropriate regulations and requirements. This appointment does not relieve the general licensee of any of its responsibility in this regard.

(13)(i) Shall register, in accordance with paragraphs (c)(13)(ii) and (iii) of this section, devices containing at least 370 megabecquerels (10 millicuries) of cesium-137, 3.7 megabecquerels (0.1 millicurie) of strontium-90, 37 megabecquerels (1 millicurie) of cobalt-60, 3.7 megabecquerels (0.1 millicurie) of radium-226, or 37 megabecquerels (1 millicurie) of americium-241 or any other transuranic (i.e., element with atomic number greater than uranium (92)), based on the activity indicated on the label. Each address for a location of use, as described under paragraph (c)(13)(iii)(D) of this section, represents a separate general licensee and requires a separate registration and fee.

(ii) If in possession of a device meeting the criteria of paragraph (c)(13)(i) of this section, shall register these devices annually with the Commission and shall pay the fee required by §170.31 of this chapter. Registration must be done by verifying, correcting, and/or adding to the information provided in a request for registration received from the Commission. The registration information must be submitted to the NRC within 30 days of the date of the request for registration or as otherwise indicated in the request. In addition, a general licensee holding devices meeting the criteria of paragraph (c)(13)(i) of this section is subject to the bankruptcy notification requirement in §30.34(h) of this chapter.

(iii) In registering devices, the general licensee shall furnish the following information and any other information specifically requested by the Commission—

(A) Name and mailing address of the general licensee.

(B) Information about each device: the manufacturer (or initial transferor), model number, serial number, the radioisotope and activity (as indicated on the label).

(C) Name, title, and telephone number of the responsible person designated as a representative of the general licensee under paragraph (c)(12) of this section.

(D) Address or location at which the device(s) are used and/or stored. For portable devices, the address of the primary place of storage.

(E) Certification by the responsible representative of the general licensee that the information concerning the device(s) has been verified through a physical inventory and checking of label information.

(F) Certification by the responsible representative of the general licensee that they are aware of the requirements of the general license.

(iv) Persons generally licensed by an Agreement State with respect to devices meeting the criteria in paragraph (c)(13)(i) of this section are not subject to registration requirements if the devices are used in areas subject to NRC jurisdiction for a period less than 180 days in any calendar year. The Commission will not request registration information from such licensees.

(14) Shall report changes to the mailing address for the location of use (including change in name of general licensee) to the Director, Office of Federal and State Materials and Environmental Management Programs, ATTN: GLTS, U.S. Nuclear Regulatory Commission, Washington, DC 20555–0001 within 30 days of the effective date of the change. For a portable device, a report of address change is only required for a change in the device's primary place of storage.

(15) May not hold devices that are not in use for longer than 2 years. If devices with shutters are not being used, the shutter must be locked in the closed position. The testing required by paragraph (c)(2) of this section need not be performed during the period of storage only. However, when devices are put back into service or transferred to another person, and have not been tested within the required test interval, they must be tested for leakage before use or transfer and the shutter tested before use. Devices kept in standby for future use are excluded from the two-year time limit if the general licensee performs quarterly physical inventories of these devices while they are in standby.

(d) The general license in paragraph (a) of this section does not authorize the manufacture or import of devices containing byproduct material.

[39 FR 43532, Dec. 16, 1974, as amended at 40 FR 8785, Mar. 3, 1975; 40 FR 14085, Mar. 28, 1975; 42 FR 25721, May 19, 1977; 42 FR 28896, June 6, 1977; 43 FR 6922, Feb. 17, 1978; 53 FR 19246, May 27, 1988; 56 FR 23471, May 21, 1991; 56 FR 61352, Dec. 3, 1991; 58 FR 67659, Dec. 22, 1993; 64 FR 42275, Aug. 4, 1999; 65 FR 79188, Dec. 18, 2000; 68 FR 58804, Oct. 10, 2003; 72 FR 55926, Oct. 1, 2007; 72 FR 58486, Oct. 16, 2007; 73 FR 5718, Jan. 31, 2008; 73 FR 42673, July 23, 2008]

§ 31.6 General license to install devices generally licensed in §31.5.

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Any person who holds a specific license issued by an Agreement State authorizing the holder to manufacture, install, or service a device described in §31.5 within such Agreement State is hereby granted a general license to install and service such device in any non-Agreement State and a general license to install and service such device in offshore waters, as defined in §150.3(f) of this chapter: *Provided,* That:

(a) [Reserved]

(b) The device has been manufactured, labeled, installed, and serviced in accordance with applicable provisions of the specific license issued to such person by the Agreement State.

(c) Such person assures that any labels required to be affixed to the device under regulations of the Agreement State which licensed manufacture of the device bear a statement that removal of the label is prohibited.

[30 FR 8189, June 26, 1965, as amended at 30 FR 10947, Aug. 24, 1965; 39 FR 43533, Dec. 16, 1974; 46 FR 44151, Sept. 3, 1981]

§ 31.7 Luminous safety devices for use in aircraft.

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(a) A general license is hereby issued to own, receive, acquire, possess, and use tritium or promethium-147 contained in luminous safety devices for use in aircraft, provided each device contains not more than 10 curies of tritium or 300 millicuries of promethium-147 and that each device has been manufactured, assembled or initially transferred in accordance with a license issued under the provisions of §32.53 of this chapter or manufactured or assembled in accordance with a specific license issued by an Agreement State which authorizes manufacture or assembly of the device for distribution to persons generally licensed by the Agreement State.

(b) Persons who own, receive, acquire, possess or use luminous safety devices pursuant to the general license in this section are exempt from the requirements of parts 19, 20, and 21, of this chapter, except that they shall comply with the provisions of §§20.2201, and 20.2202 of this chapter.

(c) This general license does not authorize the manufacture, assembly, repair or import of luminous safety devices containing tritium or promethium-147.

(d) This general license does not authorize the export of luminous safety devices containing tritium or promethium-147.

(e) This general license does not authorize the ownership, receipt, acquisition, possession or use of promethium-147 contained in instrument dials.

[30 FR 8189, June 26, 1965, as amended at 33 FR 6463, Apr. 27, 1968; 38 FR 22220, Aug. 17, 1973; 42 FR 28896, June 6, 1977; 43 FR 6922, Feb. 17, 1978; 56 FR 23471, May 21, 1991; 56 FR 61352, Dec. 3, 1991; 58 FR 67659, Dec. 22, 1993]

§ 31.8 Americium-241 and radium-226 in the form of calibration or reference sources.

top

(a) A general license is issued to those persons listed in this section to own, receive, acquire, possess, use, and transfer, in accordance with the provisions of paragraphs (b) and (c) of this section, americium-241 or radium-226 in the form of calibration or reference sources:

(1) Any person in a non-Agreement State who holds a specific license issued under this chapter which authorizes receipt, possession, use, and transfer of byproduct material, source material, or special nuclear material; and

(2) Any Government agency, as defined in §30.4 of this chapter, which holds a specific license issued under this chapter which authorizes it to receive, possess, use, and transfer byproduct material, source material, or special nuclear material.

(b) The general license in paragraph (a) of this section applies only to calibration or reference sources which have been manufactured or initially transferred in accordance with the specifications contained in a specific license issued under §32.57 of this chapter or in accordance with the specifications contained in a specific license issued to the manufacturer by an Agreement State which authorizes manufacture of the sources for distribution to persons generally licensed by the Agreement State, or in accordance with a specific license issued by a State with comparable provisions to §32.57.

(c) The general license in paragraph (a) of this section is subject to the provisions of §§30.14(d), 30.34 (a) to (e), and 30.50 to 30.63 of this chapter, and to the provisions of parts 19, 20, and 21, of this chapter. In addition, persons who own, receive, acquire, possess, use, and transfer one or more calibration or reference sources under this general license:

(1) Shall not possess at any one time, at any one location of storage or use, more than 0.185 megabecquerel (5 microcuries) of americium-241 or 0.185 megabecquerel (5 microcuries) of radium-226 in such sources;

(2) Shall not receive, possess, use, or transfer a source unless the source, or the storage container, bears a label which includes the following statement or a substantially similar statement which contains the information called for in the following statement:[1]

[1] Sources generally licensed under this section before January 19, 1975, may bear labels

authorized by the regulations in effect on January 1, 1975. Sources containing radium-226 generally licensed under this section and manufactured before November 30, 2007 shall be labeled in accordance with the applicable State regulations at the time of manufacture or import.

The receipt, possession, use, and transfer of this source, Model XX, Serial No. XX, are subject to a general license and the regulations of the United States Nuclear Regulatory Commission or of a State with which the Commission has entered into an agreement for the exercise of regulatory authority. Do not remove this label.

CAUTION—RADIOACTIVE MATERIAL—THIS SOURCE CONTAINS AMERICIUM–241 [or RADIUM–226, as appropriate]. DO NOT TOUCH RADIOACTIVE PORTION OF THIS SOURCE.

_____

(Name of manufacturer or initial transferor)

(3) Shall not transfer, abandon, or dispose of a source except by transfer to a person authorized by a license issued under this chapter or by an Agreement State to receive the source.

(4) Shall store a source, except when the source is being used, in a closed container adequately designed and constructed to contain americium-241 or radium-226 which might otherwise escape during storage.

(5) Shall not use a source for any purpose other than the calibration of radiation detectors or the standardization of other sources.

(d) This general license does not authorize the manufacture or import of calibration or reference sources containing americium-241 or radium-226.

(e) This general license does not authorize the export of calibration or reference sources containing americium-241 or radium-226.

[72 FR 55927, Oct. 1, 2007]

§ 31.9 General license to own byproduct material.

top

A general license is hereby issued to own byproduct material without regard to quantity. Notwithstanding any other provision of this chapter, a general licensee under this paragraph is not authorized to manufacture, produce, transfer, receive, possess, use, import or export byproduct material, except as authorized in a specific license.

[30 FR 8189, June 26, 1965]

§ 31.10 General license for strontium 90 in ice detection devices.

top

(a) A general license is hereby issued to own, receive, acquire, possess, use, and transfer strontium 90 contained in ice detection devices, provided each device contains not more than fifty microcuries of strontium 90 and each device has been manufactured or initially transferred in accordance with the specifications contained in a license issued pursuant to §32.61 of this chapter or in accordance with the specifications contained in a specific license issued to the manufacturer by an Agreement State which authorizes manufacture of the ice detection devices for distribution to persons generally licensed by the Agreement State.

(b) Persons who own, receive, acquire, possess, use, or transfer strontium 90 contained in ice detection devices pursuant to the general license in paragraph (a) of this section:

(1) Shall, upon occurrence of visually observable damage, such as a bend or crack or discoloration from overheating, to the device, discontinue use of the device until it has been inspected, tested for leakage and repaired by a person holding a specific license pursuant to part 30 or 32 of this chapter or from an Agreement State to manufacture or service such devices; or shall dispose of the device pursuant to the provisions of §20.2001.

(2) Shall assure that all labels affixed to the device at the time of receipt, and which bear a statement which prohibits removal of the labels, are maintained thereon;

(3) Are exempt from the requirements of parts 19, 20, and 21, of this chapter except that such persons shall comply with the provisions of §§20.2001, 20.2201, and 20.2202 of this chapter.

(c) The general license does not authorize the manufacture, assembly, disassembly, repair, or import of strontium 90 in ice detection devices.

[30 FR 9905, Aug. 10, 1965, as amended at 38 FR 22220, Aug. 17, 1973; 40 FR 8785, Mar. 3, 1975; 42 FR 28896, June 6, 1977; 43 FR 6922, Feb. 17, 1978; 56 FR 23471, May 21, 1991; 56 FR 61352, Dec. 3, 1991; 58 FR 67659, Dec. 22, 1993]

§ 31.11 General license for use of byproduct material for certain in vitro clinical or laboratory testing.

top

(a) A general license is hereby issued to any physician, veterinarian in the practice of veterinary medicine, clinical laboratory or hospital to receive, acquire, possess, transfer, or use, for any of the following stated tests, in accordance with the provisions of paragraphs (b), (c), (d), (e), and (f) of this section, the following byproduct materials in prepackaged units:

(1) Iodine-125, in units not exceeding 10 microcuries each for use in in vitro clinical or laboratory tests not involving internal or external administration of byproduct material, or the radiation therefrom, to human beings or animals.

(2) Iodine-131, in units not exceeding 10 microcuries each for use in in vitro clinical or laboratory tests not involving internal or external administration of byproduct material, or the radiation therefrom, to human beings or animals.

(3) Carbon-14, in units not exceeding 10 microcuries each for use in in vitro clinical or laboratory tests not involving internal or external administration of byproduct material, or the radiation therefrom, to human beings or animals.

(4) Hydrogen-3 (tritium), in units not exceeding 50 microcuries each for use in in vitro clinical or laboratory tests not involving internal or external administration of byproduct material, or the radiation therefrom, to human beings or animals.

(5) Iron-59, in units not exceeding 20 microcuries each for use in in vitro clinical or laboratory tests not involving internal or external administration of byproduct material, or the radiation therefrom, to human beings, or animals.

(6) Selenium-75, in units not exceeding 10 microcuries each for use in in vitro clinical or laboratory tests not involving internal or external administration of byproduct material, or the radiation therefrom, to human beings or animals.

(7) Mock Iodine-125 reference or calibration sources, in units not exceeding 0.05 microcurie of iodine-129 and 0.005 microcurie of americium-241 each for use in in vitro clinical or laboratory tests not involving internal or external administration of byproduct material, or the radiation therefrom, to human beings or animals.

(8) Cobalt-57, in units not exceeding 0.37 megabecquerel (10 microcuries) each for use in in vitro clinical

or laboratory tests not involving internal or external administration of byproduct material, or the radiation therefrom, to human beings or animals.

(b) A person shall not receive, acquire, possess, use, or transfer byproduct material under the general license established by paragraph (a) of this section unless that person:

(1) Has filed NRC Form 483, "Registration Certificate—In Vitro Testing with Byproduct Material Under General License," with the Director, Office of Federal and State Materials and Environmental Management Programs, by an appropriate method listed in §30.6(a) of this chapter, and has received from the Commission a validated copy of NRC Form 483 with a registration number assigned; or

(2) Has a license that authorizes the medical use of byproduct material that was issued under part 35 of this chapter.

(c) A person who receives, acquires, possesses, or uses byproduct material pursuant to the general license established by paragraph (a) of this section shall comply with the following:

(1) The general licensee shall not possess at any one time, under the general license in paragraph (a) of this section, at any one location of storage or use, a total amount of iodine-125, iodine-131, selenium-75, cobalt-57 and/or iron-59 in excess of 7.4 megabecquerels (200 microcuries).

(2) The general licensee shall store the byproduct material, until used, in the original shipping container or in a container providing equivalent radiation protection.

(3) The general licensee shall use the byproduct material only for the uses authorized by paragraph (a) of this section.

(4) The general licensee shall not transfer the byproduct material except by transfer to a person authorized to receive it by a license pursuant to this chapter or from an Agreement State, nor transfer the byproduct material in any manner other than in the unopened, labeled shipping container as received from the supplier.

(5) The general licensee shall dispose of the Mock Iodine-125 reference or calibration sources described in paragraph (a)(7) of this section as required by §20.2001.

(d) The general licensee shall not receive, acquire, possess, or use byproduct material pursuant to paragraph (a) of this section:

(1) Except as prepackaged units which are labeled in accordance with the provisions of a specific license issued under the provisions of §32.71 of this chapter or in accordance with the provisions of a specific license issued by an Agreement State, or before November 30, 2007, and the provisions of a specific license issued by a State with comparable provisions to §32.71 that authorize manufacture and distribution of iodine-125, iodine-131, carbon-14, hydrogen-3 (tritium), selenium-75, iron-59, cobalt-57, or Mock Iodine-125 for distribution to persons generally licensed by the Agreement State or the State with comparable provisions to §32.71.

(2) Unless the following statement, or a substantially similar statement which contains the information called for in the following statement, appears on a label affixed to each prepackaged unit or appears in a leaflet or brochure which accompanies the package:[1]

[1] Labels authorized by the regulations in effect on September 26, 1979, may be used until one year from September 27, 1979.

This radioactive material may be received, acquired, possessed, and used only by physicians, veterinarians in the practice of veterinary medicine, clinical laboratories or hospitals and only for in vitro clinical or laboratory tests not involving internal or external administration of the material, or the radiation therefrom, to human beings or animals. Its receipt, acquisition, possession, use, and transfer are subject to the regulations and a general license of the U.S. Nuclear Regulatory Commission or of a State with which the Commission has entered into an agreement for the exercise of regulatory authority.

(Name of Manufacturer)

(e) The registrant possessing or using byproduct materials under the general license of paragraph (a) of this section shall report in writing to the Director, Office of Federal and State Materials and Environmental Management Programs, any changes in the information furnished by him in the "Registration Certificate—In Vitro Testing With Byproduct Material Under General License." Form NRC–483. The report shall be furnished within 30 days after the effective date of such change.

(f) Any person using byproduct material pursuant to the general license of paragraph (a) of this section is exempt from the requirements of parts 19, 20, and 21, of this chapter with respect to byproduct materials covered by that general license, except that such persons using the Mock Iodine-125 described in paragraph (a)(7) of this section shall comply with the provisions of §§20.2001, 20.2201, and 20.2202.

[33 FR 16553, Nov. 14, 1968]

Editorial Note: ForFederal Registercitations affecting §31.11, see the List of CFR Sections Affected, which appears in the Finding Aids section of the printed volume and on GPO Access.

§ 31.12 General license for certain items and self-luminous products containing radium-226.

top

(a) A general license is hereby issued to any person to acquire, receive, possess, use, or transfer, in accordance with the provisions of paragraphs (b), (c), and (d) of this section, radium-226 contained in the following products manufactured prior to November 30, 2007.

(1) Antiquities originally intended for use by the general public. For the purposes of this paragraph, antiquities mean products originally intended for use by the general public and distributed in the late 19th and early 20th centuries, such as radium emanator jars, revigators, radium water jars, radon generators, refrigerator cards, radium bath salts, and healing pads.

(2) Intact timepieces containing greater than 0.037 megabecquerel (1 microcurie), nonintact timepieces, and timepiece hands and dials no longer installed in timepieces.

(3) Luminous items installed in air, marine, or land vehicles.

(4) All other luminous products, provided that no more than 100 items are used or stored at the same location at any one time.

(5) Small radium sources containing no more than 0.037 megabecquerel (1 microcurie) of radium-226. For the purposes of this paragraph, "small radium sources" means discrete survey instrument check sources, sources contained in radiation measuring instruments, sources used in educational demonstrations (such as cloud chambers and spinthariscopes), electron tubes, lightning rods, ionization sources, static eliminators, or as designated by the NRC.

(b) Persons who acquire, receive, possess, use, or transfer byproduct material under the general license issued in paragraph (a) of this section are exempt from the provisions of 10 CFR parts 19, 20, and 21, and §30.50 and 30.51 of this chapter, to the extent that the receipt, possession, use, or transfer of byproduct material is within the terms of the general license; provided, however, that this exemption shall not be deemed to apply to any such person specifically licensed under this chapter.

(c) Any person who acquires, receives, possesses, uses, or transfers byproduct material in accordance with the general license in paragraph (a) of this section:

(1) Shall notify the NRC should there be any indication of possible damage to the product so that it appears it could result in a loss of the radioactive material. A report containing a brief description of the event, and the remedial action taken, must be furnished to the Director of the Office of Federal and State Materials and Environmental Management Programs, U.S. Nuclear Regulatory Commission, Washington, DC 20555–0001 within 30 days.

(2) Shall not abandon products containing radium-226. The product, and any radioactive material from

the product, may only be disposed of according to §20.2008 of this chapter or by transfer to a person authorized by a specific license to receive the radium-226 in the product or as otherwise approved by the NRC.

(3) Shall not export products containing radium-226 except in accordance with part 110 of this chapter.

(4) Shall dispose of products containing radium-226 at a disposal facility authorized to dispose of radioactive material in accordance with any Federal or State solid or hazardous waste law, including the Solid Waste Disposal Act, as authorized under the Energy Policy Act of 2005, by transfer to a person authorized to receive radium-226 by a specific license issued under part 30 of this chapter, or equivalent regulations of an Agreement State, or as otherwise approved by the NRC.

(5) Shall respond to written requests from the NRC to provide information relating to the general license within 30 calendar days of the date of the request, or other time specified in the request. If the general licensee cannot provide the requested information within the allotted time, it shall, within that same time period, request a longer period to supply the information by providing the Director of the Office of Federal and State Materials and Environmental Management Programs, by an appropriate method listed in §30.6(a) of this chapter, a written justification for the request.

(d) The general license in paragraph (a) of this section does not authorize the manufacture, assembly, disassembly, repair, or import of products containing radium-226, except that timepieces may be disassembled and repaired.

[72 FR 55927, Oct. 1, 2007]

§§ 31.13-31.20 [Reserved]

top

§ 31.21 Maintenance of records.

top

Each record required by this part must be legible throughout the retention period specified by each Commission regulation. The record may be the original or a reproduced copy or a microform provided that the copy or microform is authenticated by authorized personnel and that the microform is capable of producing a clear copy throughout the required retention period. The record may also be stored in electronic media with the capability for producing legible, accurate, and complete records during the required retention period. Records such as letters, drawings, specifications, must include all pertinent information such as letters, stamps, initials, and signatures. The licensee shall maintain adequate safeguards against tampering with and loss of records.

[53 FR 19246, May 27, 1988. Redesignated at 72 FR 55927, Oct. 1, 2007]

§ 31.22 Violations.

top

(a) The Commission may obtain an injunction or other court order to prevent a violation of the provisions of—

(1) The Atomic Energy Act of 1954, as amended;

(2) Title II of the Energy Reorganization Act of 1974, as amended; or

(3) A regulation or order issued pursuant to those Acts.

(b) The Commission may obtain a court order for the payment of a civil penalty imposed under section 234 of the Atomic Energy Act:

(1) For violations of—

(i) Sections 53, 57, 62, 63, 81, 82, 101, 103, 104, 107, or 109 of the Atomic Energy Act of 1954, as amended;

(ii) Section 206 of the Energy Reorganization Act;

(iii) Any rule, regulation, or order issued pursuant to the sections specified in paragraph (b)(1)(i) of this section;

(iv) Any term, condition, or limitation of any license issued under the sections specified in paragraph (b)(1)(i) of this section.

(2) For any violation for which a license may be revoked under section 186 of the Atomic Energy Act of 1954, as amended.

[57 FR 55072, Nov. 24, 1992. Redesignated at 72 FR 55927, Oct. 1, 2007]

§ 31.23 Criminal penalties.

top

(a) Section 223 of the Atomic Energy Act of 1954, as amended, provides for criminal sanctions for willful violation of, attempted violation of, or conspiracy to violate, any regulation issued under sections 161b, 161i, or 161o of the Act. For purposes of section 223, all the regulations in part 31 are issued under one or more of sections 161b, 161i, or 161o, except for the sections listed in paragraph (b) of this section.

(b) The regulations in part 31 that are not issued under sections 161b, 161i, or 161o for the purposes of section 223 are as follows: §§31.1, 31.2, 31.3, 31.4, 31.9, 31.13, and 31.14.

[57 FR 55073, Nov. 24, 1992. Redesignated at 72 FR 55927, Oct. 1, 2007]

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For questions concerning e-CFR programming and delivery issues, email webteam@gpo.gov.

Section 508 / Accessibility

NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

November 30, 2009

TO: All New, Current, or Previous Users of Devices Subject to General License Registration

PURPOSE: To Track and Account for Certain Generally Licensed Devices For Public Protection

SUBJECT: ANNUAL REGISTRATION OF GENERALLY LICENSED DEVICES

The U.S. Nuclear Regulatory Commission (NRC) requires annual registration of certain devices that are possessed under the general license issued in Section 31.5 of Title 10 U.S. Code of Federal Regulations (10 CFR 31.5). Devices subject to registration include those containing the radioactive material and activity listed in Table 1. You are receiving this notice because NRC records indicate that you have one or more such devices. Information about the general license registration program is available on the Internet at http://www.nrc.gov/materials/miau/miau-reg-initiatives/gen-license.html

Mail the registration fee (check or money order payable to the USNRC) or credit card authorization and a copy of completed SECTION 1, PAGE 1 of 2, in the small enclosed envelope to:

U. S. Bank
Accounts Receivable Team
U. S. Nuclear Regulatory Commission
P. O. Box 979051
St. Louis, MO 63197-9000

IMPORTANT

YOUR PAYMENT WILL NOT BE CREDITED TO YOUR ACCOUNT UNLESS YOU PUT YOUR GENERAL LICENSE NUMBER (GL-XXXXX-X) ON THE CHECK OR OTHER PAYMENT METHOD. THE GL NUMBER CAN BE FOUND ON SECTION 1, PAGE 1 of 2, IN THE UPPER LEFT CORNER

Note that under 10 CFR 31.5(c)(11), the attached General Licensee Registration Package must be completed, signed, and returned to the NRC within 30 days from the date of this letter. READ ALL OF THE INSTRUCTIONS PRIOR TO COMPLETING THE PACKAGE. Mail the completed package in the large enclosed envelope to:

ATTN: Document Control Desk/GLTS
Director, Office of Federal and State Materials
and Environmental Management Programs
U.S. Nuclear Regulatory Commission
11545 Rockville Pike
Rockville, MD 20852-2738

Registration Fee: Commission regulations (10 CFR 170.31, Category 3Q) require that you submit a registration fee with each registration on an annual basis. The registration fee is subject to change yearly, and you are required to submit the fee that is in effect as of the date of this letter. If you wish to pay by credit card, you need to complete NRC Form-629, Authorization for Payment by Credit Card. You can obtain Form-629 by accessing the NRC website at http://www.nrc.gov/who-we-are/license-fees.html, select "Current Payment Options" and then select "Payment by Credit Card" (NRC Form-629). If you are unable to access this information on our website, or if you have any questions about the fee or payment options, call 301-415-7554.

The REGISTRATION FEE is $310.00

NRC amended 10 CFR Parts 170.11 and 170.31 to provide that 10 CFR Part 170 fees be assessed to Federal agencies, where applicable, in accordance with the Energy Policy Act of 2005. Therefore, those Federal facilities required to register certain generally licensed devices in their possession will be required to pay the annual registration fee.

Attachment: NRC Form 664 -- General Licensee Registration and Instructions

INSTRUCTIONS FOR COMPLETING NRC FORM 664
"GENERAL LICENSEE REGISTRATION"

Review all six sections of this registration form. If any information is incorrect or missing, make corrections in the applicable boxes. If you have more devices than space provided in the form, **copy the form before starting, as needed.** Use black ink and print in **CAPITAL LETTERS.** Start information in the first box provided. If the information contains a number with a dash (-) or a decimal point (.), include the dash or decimal point as an individual character. Use the "ø" character to represent the number 0 (zero).

Verify information about the devices by reviewing the label on the outside of the device. **For safety reasons, DO NOT TRY TO TAKE APART any device to verify this information.** If you are uncertain how to identify the device's label, contact the device's manufacturer or an authorized service agent for this information. Also, contact the manufacturer for any additional information about NRC requirements. You may also review 10 CFR 31.5 and other applicable regulations on the NRC web site at http://www.nrc.gov/reading-rm/doc-collections/cfr/, or review specific information about the general licensee project at http://www.nrc.gov/materials/miau/miau-reg-initiatives/gen-license.html

Note to specific licensees: If you believe the device(s) listed on the registration form are possessed under your specific license, then verify the device label does not state the device is subject to a general license. If the labels indicate the device is subject to a general license, then complete the registration form as instructed below. If not, complete the registration as instructed below, however, in Section 2, follow the instructions for "not in possession of device" and complete one Section 4 page per device transferred to your specific license.

Section 1 - General Licensee Information. Provide the requested information about you, the general licensee.

On Page 1, provide the street address/location where your device(s) are used. For portable devices, provide the storage location. P.O. Box addresses are not allowed.

Do not write in the box marked **For NRC Use Only**.

On Page 2, provide the name, telephone number, and title of the individual responsible for your device(s), and a mailing address where correspondence about your device(s) can be sent. The mailing address should be specific to the physical location where the devices are used and/or stored (P.O. boxes may be used if this is the only available mailing address). The individual indicated in this section as responsible for your device(s) must also verify and sign the form in Section 5.

Section 2 - Devices Subject to Registration. This section lists each device subject to registration and in your possession, according to NRC records. Devices subject to registration include those containing at least one of the radionuclides listed in Table 1, with the activity indicated, at the time of manufacture.

Table 1. Criteria for Registration

Radionuclide	Activity greater than or equal to:
Strontium-90, Radium-226	3.7 megabecquerel (0.1 millicurie)
Cobalt-60, Curium-244, Americium-241, and Californium-252	37 megabecquerel (1 millicurie)
Cesium-137	370 megabecquerel (10 millicurie)

Use the codes from Table 2 when correcting isotope information for devices in this section. If you do not possess a device on this list, blacken the "not in possession of device" circle, and provide the relevant information in Section 4. Note that each device is assigned a unique six-digit number called the NRC Device Key.

Table 2. Isotope Codes for Sections 2 and 3

Radionuclide	Code for form	Radionuclide	Code for form
Americium-241	AM241	Curium-244	CM244
Californium-252	CF252	Strontium-90	SR90
Cesium-137	CS137	Radium-226	RA226
Cobalt-60	CO60		

Section 3 - Additional Devices. If you have other generally licensed devices (not listed in Section 2) that meet the conditions for registration listed in Table 1, provide information about each additional device. **Before starting, copy this section as needed for your additional devices.** Also indicate how you acquired each device by blackening the proper circle.

When entering isotope and unit information for your device(s), use the codes listed in Table 2 of Section 2 for isotope information, and use the codes from Table 3 for unit information:

Table 3. Unit Codes for Section 3

Unit	Code for form	Unit	Code for form
picocurie	PCI	becquerel	BQ
nanocurie	NCI	kilobecquerel	KBQ
microcurie	UCI	megabecquerel	MBQ
millicurie	MCI	gigabecquerel	GBQ
curie	CI	terabecquerel	TBQ
pound	LB	microgram	UG
		milligram	MG
kilogram	KG	gram	G

Section 4 - Not in Possession of Device. Use this section to report any devices that are listed in Sections 2 or 6, but that you no longer possess. **Before starting, copy this section as needed for additional devices that are not in your possession.** Enter the NRC Device Key, as listed in Section 2 or 6. Blacken the circle (choose only one) that best describes the disposition of the device and complete the rest of the section as appropriate.

Section 5 - Certification and Signature. The responsible individual must certify, sign, and date Section 5.

Section 6 - Devices Not Subject to Registration. This list contains information about devices that NRC records indicate are in your possession, but **are not subject to registration**. If you no longer have one or more of the listed devices, you are required to make a transfer report to NRC in accordance with 10 CFR 31.5(c)(8) or (9), as applicable. You may use Section 4 for this purpose. This section does not list any static eliminators containing polonium-210 (Po-210), or luminous exit signs containing tritium (H-3). These devices are not subject to registration, and are not included in this section in an effort to reduce the length of this form.

RETURN THE COMPLETED FORM IN THE ENCLOSED ENVELOPE WITH PROPER POSTAGE.

GL-705439-14
11/09/2009
NRC FORM 664
02 - 2004
10 CFR 31.5

U.S. NUCLEAR REGULATORY COMMISSION

GENERAL LICENSEE REGISTRATION

APPROVED BY OMB: NO. 3150-0198 **EXPIRES: 03/31/2010**

Estimated burden per response to comply with this mandatory collection request: 20 minutes. NRC will use this information to track general licensees and their devices to ensure a higher level of device accountability. 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 to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0000), 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.

Complete all six sections of this registration form. If any of the preprinted information is incorrect, provide the changes in the applicable boxes. USE CAPITAL LETTERS.

General License Registration Number
GL-705439-14

SECTION 1 - GENERAL LICENSEE INFORMATION

Enter the company name and the street address/physical location of use for your device(s). For portable devices, specify the primary storage location. Do not use a P.O. Box address.

Company Name: METRO ST LOUIS SEWER

Department: BISSELL POINT TREATMENT

Address Line 1: 10 EAST GRAND AVENUE

Address Line 2:

City: SAINT LOUIS

State: MO Zip Code: 63147 - 2913

For NRC Use Only
(Do not write here)
Category:
Packet Receipt Date (MMDDYYYY):
Accession Number:

SECTION 1 - GENERAL LICENSEE INFORMATION (Continued)

Enter the name, telelphone number and title of the person who is the responsible individual for the device(s).

Last Name: COPE JR. OR

First Name: EDWIN

Middle Initial: R

Telephone: (314) 436-8749

Extension:

Title: OPERATIONS DIV MANAGER

Enter the mailing address where correspondence regarding your device(s) should be sent. This address should be specific to the use or storage location of your device(s).

Department: BISSELL POINT TREATMENT

Address Line 1: 10 EAST GRAND AVENUE

Address Line 2:

City: SAINT LOUIS

State: MO

Zip Code: 63147 - 2913

GL-705439-14
11/09/2009

SECTION 2 - DEVICES SUBJECT TO REGISTRATION

Our records indicate that you have these devices. Please update the information as necessary.

NRC Device Key **663341** **(Internal Control Number)**

Distributor/Distributed By: TN TECHNOLOGIES, INC.

Distributor License Number: L01105 .

Manufacturer Name: TN TECHNOLOGIES, INC.

Device Model (Not Source Model): 5201

Device Serial Number: B1867

Transfer Date (Receipt Date): 05/15/1992

MM DD YYYY

☐ **Not in possession of device (Also complete Section 4.)**

	Isotope (e.g. AM241)	Activity (e.g. 100)	Unit (e.g. mCi)
1	CS137	100.000000000	mCi
2			
3			
4			
5			
6			

GL-705439-14
11/09/2009

SECTION 2 - DEVICES SUBJECT TO REGISTRATION

Our records indicate that you have these devices. Please update the information as necessary.

NRC Device Key **663342** **(Internal Control Number)**

Distributor/Distributed By: TN TECHNOLOGIES, INC.

Distributor License Number: L01105

Manufacturer Name: TN TECHNOLOGIES, INC.

Device Model (Not Source Model): 5201

Device Serial Number: B1868

Transfer Date (Receipt Date): 05/15/1992

MM DD YYYY

☐ **Not in possession of device (Also complete Section 4.)**

	Isotope (e.g. AM241)	Activity (e.g. 100)	Unit (e.g. mCi)
1	CS137	100.000000000	mCi
2			
3			
4			
5			
6			

GL-705439-14
11/09/2009

SECTION 2 - DEVICES SUBJECT TO REGISTRATION

Our records indicate that you have these devices. Please update the information as necessary.

NRC Device Key **349410** **(Internal Control Number)**

Distributor/Distributed By: TN TECHNOLOGIES, INC.

Distributor License Number: L01105

Manufacturer Name: TN TECHNOLOGIES, INC.

Device Model (Not Source Model): 5203

Device Serial Number: B215

Transfer Date (Receipt Date): 11/15/1987

MM DD YYYY

☐ **Not in possession of device (Also complete Section 4.)**

	Isotope (e.g. AM241)	Activity (e.g. 100)	Unit (e.g. mCi)
1	CS137	2000.000000000	mCi
2			
3			
4			
5			
6			

SECTION 3 - ADDITIONAL DEVICES SUBJECT TO REGISTRATION

Provide information about other devices you have that are subject to registration. Do not report specifically licensed devices.

Manufacturer Name

Initial Transferor Name

Initial Transferor License Number (if known)

Device Model Number (Not Source Model)

Device Serial Number

How acquired and date (e.g., from a distributor/manufacturer, other licensee, other source)?

- ○ Manufacturer/Initial Transferor listed above
- ○ Other General Licensee
- ○ Other Source

Date Transferred: (Received) MM DD YYYY

	Isotope (e.g. AM241)	Activity (e.g. 100)	Unit (e.g. mCi)
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			

GL-705439-14
11/09/2009

SECTION 4 - NOT IN POSSESSION OF DEVICE

Provide information about devices listed in Section 2 or 6, but no longer in your possession.

Part 1

NRC Device Key:
(from Section 2 or 6)

Transfer Date:
MM DD YYYY

Location of the Device:

- ○ Whereabouts Unknown (complete Part 1 only)
- ○ Never Possessed the Device (complete Part 1 only)
- ○ Returned to Manufacturer (complete Part 1 only)
- ○ Transferred to another general licensee (complete Parts 2 and 3)
- ○ Transferred to a Specific Licensee (Not the manufacturer) (complete Part 2)

Part 2 License Number of Recipient (if transferred to a specific licensee):

Company Name:

Department:

Address Line 1:

Address Line 2:

City:

State: Zip Code: -

Part 3 **Enter the name of the individual responsible for this device:**

Last Name:

First Name: Middle Initial:

Telephone Number: Extension:

Title:

SECTION 5 - CERTIFICATION

I hereby certify that:

A. All information contained in this registration is true and complete to the best of my knowledge and belief.

B. A physical inventory of the devices subject to registration has been completed, and the device information on this form has been checked against the device labeling.

C. I am aware of the requirements of the general license, provided in 10 CFR 31.5.
(Copies of applicable regulations may be viewed at the NRC website at:
http://www.nrc.gov/reading-rm/doc-collections/cfr)

SIGNATURE - RESPONSIBLE INDIVIDUAL (Listed in Section 1) **DATE**

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

SECTION 6 - DEVICES NOT SUBJECT TO REGISTRATION

NRC Device Key: 706910 Manufacturer License No: 07-28762-02G

Manufacturer Name: AGILENT TECHNOLOGIES, INC.

Model Number: G153369576 Serial #: YA646 Transfer Date: 12/15/2003

Isotope: NI63 Activity: 15.000000000 Unit: mCi

NRC Device Key: 772108 Manufacturer License No: 07-28762-02G

Manufacturer Name: AGILENT TECHNOLOGIES, INC.

Model Number: G153369576 Serial #: K2751-0 Transfer Date: 5/15/1996 C

Isotope: NI63 Activity: 15.000000000 Unit: mCi

Buffy Santel

From: Buffy Santel

Sent: Friday, November 13, 2009 8:15 AM

To: Bret A. Berthold

Cc: Mike Townley

Subject: NRC Notice Regarding Gauge Shutter Failures

Bret,
A while back you forwarded me a notice from the NRC regarding reported incidents where gauge shutters were failing during tests. The notice itself does not require any action on our part. You indicated we do not perform the six month check the notice referenced. That is because the regulations allow for following the recommendation on the label affixed to the device. The labels on our devices recommend testing every three years. That is the schedule we are on. I attempted to verify that the shutters are being checked during this testing but the PM did not make that clear. We should ensure that the Instrument Tech is documenting proper function of the shutter. It is my assumption it has been or the previous leak tests could not have been performed. A note should be added to the PM to notify management if the shutter is not functioning properly because we would need to report such incidents to the NRC.

Let me know if you have any additional questions.

Buffy C. Santel, P. E.
Metropolitan St. Louis Sewer District
Environmental Compliance
(314) 436-8759

Buffy,

Please review and give me your recommendation. Bissell does not currently perform the 6-month shutter closure test. Looks like I need to establish this as a PM.

Bret

UNITED STATES
NUCLEAR REGULATORY COMMISSION
OFFICE OF FEDERAL AND STATE MATERIALS
AND ENVIRONMENTAL MANAGEMENT PROGRAMS
WASHINGTON, DC 20555

NRC INFORMATION NOTICE 2009-18: PERFORMANCE OF REQUIRED SHUTTER CHECKS AND REPORTING OF GAUGE SHUTTER FAILURES

ADDRESSEES

All U.S. Nuclear Regulatory Commission (NRC) specific and renewal fixed gauge materials licensees. All Agreement State Radiation Control Program Directors and State Liaison Officers.

PURPOSE

The NRC is issuing this Information Notice to alert fixed gauge specific and general licensees about the potential for the failure of shutter closure mechanisms on fixed gauges and the requirements for reporting these events to the NRC. It is expected that recipients will review the information for applicability to their facilities and consider actions, as appropriate, to avoid similar incidents. Recommendations contained in this Information Notice are not new NRC requirements; therefore, neither specific action nor written response is required. Information herein is based upon an Information Notice issued by the State of Ohio in December 2008. NRC is providing this Information Notice to the Agreement States for their information, and for distribution to their licensees as appropriate.

DESCRIPTION OF CIRCUMSTANCES

Since 1990, NRC received numerous reports of fixed gauge shutter closure failures occurring during shutter closure checks performed by licensees. The initial reports indicated that the failures of the shutter open/close mechanisms were sudden and unexpected and most resulted in the inability of the licensee to close the shutter on the device. In addition, most of these reports indicated a breakage of some part of the shutter closure mechanism. An investigation of the circumstances surrounding these events indicated several contributing factors:

1. The devices were typically operating in harsh environments with the presence of grit, dust, and other foreign materials which could get into the shutter operating mechanism or otherwise interfere with the movement of the shutter during operation.

2. Previous shutter checks performed prior to the reported failure may have indicated "sticking" or "binding" of the shutter during closure, although the licensee was eventually able to get the shutter closed and reopened.

ML091890514

3. Periodic shutter mechanism checks were not always conducted by licensees as required, were sometimes neglected over a prolonged period of time, and the result was a buildup of foreign material or corrosion within the device and a stuck or frozen shutter which could not be closed.

During the investigation of the reported shutter failures, it was also noted that additional mechanical means, such as a pry-bar or hammer, were sometimes used to attempt to move a stuck shutter operating mechanism. Furthermore, Ohio's investigation revealed that many additional similar events had occurred involving fixed gauges, but were not reported as required. These incidents were identified through service and maintenance reports from manufacturers and service providers.

DISCUSSION

Fixed gauges containing licensed radioactive materials are used by specific and general licensees in a wide variety of manufacturing and processing operations to measure parameters such as flow rates, thickness, density, or volume. The shutter on a fixed gauge is a safety feature designed to eliminate or significantly reduce the radiation levels at the opening of a fixed gauge when the shutter is in the closed position. Additionally, shutter closure is necessary to allow licensee or service personnel to perform certain operations or maintenance activities on or near the gauge. Therefore, the inability to close the shutter, due to the presence of corrosion or foreign materials, breakage of the closure mechanism, or some other cause, is considered by NRC to be a failure of equipment to operate as designed and for which there is no redundant equipment to perform the required safety function. As such, an NRC licensee which possesses a fixed gauge with a shutter that cannot be closed is required to notify NRC within twenty-four hours of any such incident, in accordance with 10 CFR 30.50(b)(2). In addition, the licensee is required to follow-up the initial report within 30 days with a written report describing the circumstances which led to the shutter failure and the corrective actions taken. The 30-day follow-up report is required by 10 CFR 30.50(c)(2).

Fixed gauges routinely operate in a continuous mode with the shutter open, exposing the radioactive source inside. A shutter closure check is a periodic maintenance activity to be performed by licensees possessing fixed gauges in accordance with the procedures included in the manufacturer's instructions. The requirement for NRC fixed gauge licensees to conduct these checks is found in 10 CFR 31.5 (c)(2) for general licensees, and by license condition for specific licensees. Licensees are required to document that the checks have been performed. The typical timeframe for conducting a shutter check is every six months.

Licensees should promptly contact the manufacturer or other licensed service provider for guidance on necessary maintenance or service and whenever the gauge requires repair. At no time should the licensee attempt to apply additional force or pressure to the closure mechanism through the use of pry bars, hammers, or other mechanical means. Use of such methods is prohibited and may cause damage to or breakage of the operating handle or the bolts used in assembly of the device.

NRC fixed gauge licensees are advised that NRC will place additional emphasis during future inspections on licensee performance of required shutter checks, documentation of the checks, and reporting of equipment failures such as those described in this Information Notice.

CONTACTS

This Information Notice requires no specific licensee action or response. If you have any questions about the information in this notice, please contact one of the technical contacts below, or the appropriate regional office.

Robert J. Lewis, Director
Division of Materials Safety
and State Agreements
Office of Federal and State Materials
and Environmental Management Programs

Technical Contacts: J. Bruce Carrico, FSME
(301) 415-7826
E-mail: Jbruce.Carrico@nrc.gov

Jim Lynch, Region III
(630) 829-9661
E-mail: james.lynch@nrc.gov

Enclosure: List of Recently Issued FSME
Generic Communications

List of Recently Issued Office of Federal and State Material and Environmental Management Programs Generic Communications

Date	GC No.	Subject	Addressees
03/30/09	IN-2009-07	Withholding of Proprietary Information from Public Disclosure	All current holders of and potential applicants for licenses, certificates of compliance, permits, or standard design certifications, as well as any other persons submitting a request that information be withheld from public disclosure under the provisions of Title 10 of the *Code of Federal Regulations* (10 CFR) Section 2.390, "Public inspections, exemptions, requests for withholding.
07/27/09	IN-2009-12	Exempt Distribution Licensing Requirements For Irradiated Gemstones	All holders of NRC exempt distribution licenses authorized to distribute irradiated gemstones. Organizations associated with importing, distributing or selling irradiated gemstones or jewelry containing irradiated gemstones. All Radiation Control Program Directors and State Liaison Officers.
07/29/09	IN-2003-22, Supplement 1	Heightened Awareness for Patients Containing Detectable Amounts of Radiation from Medical Administrations	All U.S. Nuclear Regulatory Commission (NRC) medical-use licensees and NRC master material licensees; all Agreement State Radiation Control Program Directors and State Liaison Officers.
04/29/09	RIS-2009-05	Uranium Recovery Policy Regarding: (1) The Process for Scheduling Licensing Reviews of Applications for New Uranium Recovery Facilities and (2) The Restoration of Groundwater at Licensed Uranium In-Situ Recovery Facilities	All holders of operating licenses for uranium recovery facilities and all companies who have submitted applications to construct new uranium recovery facilities of all types (conventional mills, heap leach operations, and in-situ recovery facilities) or letters of intent to submit such applications.
05/07/09	RIS-2009-07	Status Update for the Implementation of NRC Regulatory Authority for Certain Naturally Occurring and Accelerator-Produced Radioactive Material	All U.S. Nuclear Regulatory Commission material and fuel cycle licensees. All Radiation Control Program Directors and State Liaison Officers.
07/13/09	RIS-2009-09	Use Of Multiple Dosimetry and Compartment Factors in Determining Effective Dose Equivalent from External Radiation Exposures	All U.S. Nuclear Regulatory Commission licensees, Agreement State Radiation Control Program Directors, and State Liaison Officers.

Note: This list contains the six most recently issued generic communications, issued by the Office of Federal and State Materials and Environmental Management Programs (FSME). A full listing of all generic communications may be viewed at the NRC public website at the following address: http://www.nrc.gov/reading-rm/doc-collections/gen-comm/index.html

MSD

ThermoFisher
SCIENTIFIC

Rec'd
2-2-09
M Townley

January 10, 2009

Dear Valued Customer,

I am enclosing the results from your recent leak tests. Please keep these certificates in a permanent file for inspection by the regulatory agency.

Thank you for using ThermoFisher Scientific's leak test service. If we can be of further assistance, please call us at (800) 437-7979 or send an email to angelica.guidry@thermofisher.com.

Sincerely,

Angelica Guidry

Angelica R. Guidry
Services Support Specialist
ThermoFisher Scientific
1410 Gillingham Lane
Sugar Land, Texas 77478
Phone: 800-437-7979 or 713-272-2181
Fax: 713-272-2273
angelica.guidry@thermofisher.com

BT_OTHER_2009_01_RPT_NRC

ThermoFisher
SCIENTIFIC

The world leader
in serving science

LEAK TEST CERTIFICATION

This is to certify that the product identified below was tested for removable contamination in accordance with Texas Radioactive Material License Number L03524, Condition 19.

Customer: 121800
METROPOLITAN ST. LOUIS SEWER DIST.
Bissell Point Treatment Plant
10 E. Grand Avenue
St. Louis, MO 63147

Device ID:

Product: TN

Model: 5201 Serial No B1868

Isotope: Cs-137 Activity: 100 mCi

Source Serial: GV-4602

Location: GBT THICKENER/SLUDGE PUMP FLOOR

Test Type: Lab Counting

Result: ☐ Positive ☑ Negative < 2.5E-5 uCi

Analyzed on: January 10, 2009

This certificate should be maintained as a permanent record of the leak test of this product.

Michael Fontenot

Process Instruments 1410 Gillingham Lane Sugar Land, TX 77478-2890 (713) 272-0404 (713) 272-2272 fax www.thermofisher.com

ThermoFisher
SCIENTIFIC

The world leader
in serving science

LEAK TEST CERTIFICATION

This is to certify that the product identified below was tested for removable contamination in accordance with Texas Radioactive Material License Number L03524, Condition 19.

Customer: 121800
METROPOLITAN ST. LOUIS SEWER DIST.
Bissell Point Treatment Plant
10 E. Grand Avenue
St. Louis, MO 63147

Device ID:

Product: TN

Model: 5203 Serial No B215

Isotope: Cs-137 Activity: 2000 mCi

Source Serial: MB-611

Location: Bissell Treatment- Influent Tunel

Test Type: Lab Counting

Result: ☐ Positive ☑ Negative < 2.5E-5 uCi

Analyzed on: January 10, 2009

This certificate should be maintained as a permanent record of the leak test of this product.

Michael Fontenot

Process Instruments 1410 Gillingham Lane Sugar Land, TX 77478-2890 (713) 272-0404 (713) 272-2272 fax www.thermofisher.com

UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

MSD

February 05, 2009

METRO ST LOUIS SEWER
ATTN: EDWIN COPE JR. OR
BISSELL POINT TREATMENT
10 EAST GRAND AVENUE
SAINT LOUIS, MO 63147-2913

SUBJECT: ACKNOWLEDGMENT LETTER (REFERENCE NO.: GLTS-A-705439)

This letter is to confirm that we have received your response to the registration package for GL-705439-13.

We have completed processing your application request related to the annual registration of certain general licensed devices and have registered your devices. Please note that no further action is required from you at this time. But if you transfer any general licensed device, change address and/or ownership you must notify the NRC in writing within 30 days of any transfer of general licensed device transfer, change in address and/or ownership.

You may wish to refer to the Code of Federal Regulations (CFR), 10 CFR 31.5 or 31.7 as applicable, to find out if there are additional regulatory requirements that you must meet as a General Licensee. If you have any questions regarding your submittal or your responsibilities as a General Licensee please call (301) 415-7894 or visit *www.nrc.gov/materials/medical.html.*

You may submit your device transfer and change notifications to:

Attention: GLTS Project Manager
US Nuclear Regulatory Commission
Office of Federal and State Materials
and Environmental Management Programs
Division of Materials Safety and State Agreements
Washington, DC 20555-001

Rec'd
2-17-09
M Townley

RT_OTHER 2009_02_RMT_NRC 01

MSD

GL-705439-13
11/17/2008
NRC FORM 664
02 - 2004
10 CFR 31.5

U.S. NUCLEAR REGULATORY COMMISSION

GENERAL LICENSEE REGISTRATION

APPROVED BY OMB: NO. 3150-0198 **EXPIRES: 03/31/2010**

Estimated burden per response to comply with this mandatory collection request: 20 minutes. NRC will use this information to track general licensees and their devices to ensure a higher level of device accountability. 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 to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0000). 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.

Complete all six sections of this registration form. If any of the preprinted information is incorrect, provide the changes in the applicable boxes. USE CAPITAL LETTERS.

General License Registration Number GL-705439-13

SECTION 1 - GENERAL LICENSEE INFORMATION

Enter the company name and the street address/physical location of use for your device(s). For portable devices, specify the primary storage location. Do not use a P.O. Box address.

Company Name: METRO ST LOUIS SEWER

Department: BISSELL POINT TREATMENT

Address Line 1: 10 EAST GRAND AVENUE

Address Line 2:

City: SAINT LOUIS

State: MO

Zip Code: 63147 - 2913 -

For NRC Use Only
(Do not write here)

Category:

Packet Receipt Date (MMDDYYYY):

Accession Number:

BT_OTHER_2008_12_APP_NRC GL

GL-705439-13
11/17/2008

SECTION 1 - GENERAL LICENSEE INFORMATION (Continued)

Enter the name, telelphone number and title of the person who is the responsible individual for the device(s).

Last Name: COPE JR. OR

First Name: EDWIN

Middle Initial: R

Telephone: (314) 436-8749

Extension:

Title: OPERATIONS DIV MANAGER

Enter the mailing address where correspondence regarding your device(s) should be sent. This address should be specific to the use or storage location of your device(s).

Department: BISSELL POINT TREATMENT

Address Line 1: 10 EAST GRAND AVENUE

Address Line 2:

City: SAINT LOUIS

State: MO

Zip Code: 63147 - 2913

GL-705439-13

11/17/2008

SECTION 2 - DEVICES SUBJECT TO REGISTRATION

Our records indicate that you have these devices. Please update the information as necessary.

NRC Device Key **663341** **(Internal Control Number)**

Distributor/Distributed By: TN TECHNOLOGIES, INC.

Distributor License Number: L01105

Manufacturer Name: TN TECHNOLOGIES, INC.

Device Model (Not Source Model): 5201

Device Serial Number: B1867

Transfer Date (Receipt Date): 05/15/1992

MM DD YYYY

☐ **Not in possession of device (Also complete Section 4.)**

	Isotope (e.g. AM241)	Activity (e.g. 100)	Unit (e.g. mCi)
1	CS137	100.000000000	mCi
2			
3			
4			
5			
6			

GL-705439-13

11/17/2008

SECTION 2 - DEVICES SUBJECT TO REGISTRATION

Our records indicate that you have these devices. Please update the information as necessary.

NRC Device Key **663342** **(Internal Control Number)**

Distributor/Distributed By: TN TECHNOLOGIES, INC.

Distributor License Number: L01105

Manufacturer Name: TN TECHNOLOGIES, INC.

Device Model (Not Source Model): 5201

Device Serial Number: B1868

Transfer Date (Receipt Date): 05/15/1992

MM DD YYYY

☐ **Not in possession of device (Also complete Section 4.)**

	Isotope (e.g. AM241)	Activity (e.g. 100)	Unit (e.g. mCi)
1	CS137	100.000000000	mCi
2			
3			
4			
5			
6			

GL-705439-13

11/17/2008

SECTION 2 - DEVICES SUBJECT TO REGISTRATION

Our records indicate that you have these devices. Please update the information as necessary.

NRC Device Key **349410** **(Internal Control Number)**

Distributor/Distributed By: TN TECHNOLOGIES, INC.

Distributor License Number: L01105

Manufacturer Name: TN TECHNOLOGIES, INC.

Device Model (Not Source Model): 5203

Device Serial Number: B215

Transfer Date (Receipt Date): 11/15/1987

MM DD YYYY

☐ **Not in possession of device (Also complete Section 4.)**

	Isotope (e.g. AM241)	Activity (e.g. 100)	Unit (e.g. mCi)
1	CS137	2000.000000000	mCi
2			
3			
4			
5			
6			

GL-705439-13
11/17/2008

SECTION 3 - ADDITIONAL DEVICES SUBJECT TO REGISTRATION

Provide information about other devices you have that are subject to registration. Do not report specifically licensed devices.

Manufacturer Name

Initial Transferor Name

Initial Transferor License Number (if known)

Device Model Number (Not Source Model)

Device Serial Number

How acquired and date (e.g., from a distributor/manufacturer, other licensee, other source)?

- ○ Manufacturer/Initial Transferor listed above
- ○ Other General Licensee
- ○ Other Source

Date Transferred: (Received) MM DD YYYY

	Isotope (e.g. AM241)	Activity (e.g. 100)	Unit (e.g. mCi)
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			

GL-705439-13
11/17/2008

SECTION 4 - NOT IN POSSESSION OF DEVICE

Provide information about devices listed in Section 2 or 6, but no longer in your possession.

Part 1

NRC Device Key:
(from Section 2 or 6)

Transfer Date:
MM DD YYYY

Location of the Device:

- ○ Whereabouts Unknown (complete Part 1 only)
- ○ Never Possessed the Device (complete Part 1 only)
- ○ Returned to Manufacturer (complete Part 1 only)
- ○ Transferred to another general licensee (complete Parts 2 and 3)
- ○ Transferred to a Specific Licensee (Not the manufacturer) (complete Part 2)

Part 2 License Number of Recipient (if transferred to a specific licensee):

Company Name:

Department:

Address Line 1:

Address Line 2:

City:

State: Zip Code: -

Part 3 **Enter the name of the individual responsible for this device:**

Last Name:

First Name:

Middle Initial:

Telephone Number:

Extension:

Title:

SECTION 5 - CERTIFICATION

I hereby certify that:

A. All information contained in this registration is true and complete to the best of my knowledge and belief.

B. A physical inventory of the devices subject to registration has been completed, and the device information on this form has been checked against the device labeling.

C. I am aware of the requirements of the general license, provided in 10 CFR 31.5.
(Copies of applicable regulations may be viewed at the NRC website at:
http://www.nrc.gov/reading-rm/doc-collections/cfr)

SIGNATURE - RESPONSIBLE INDIVIDUAL (Listed in Section 1) **DATE**

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

SECTION 6 - DEVICES NOT SUBJECT TO REGISTRATION

NRC Device Key: 706910 Manufacturer License No: 07-28762-02G

Manufacturer Name: AGILENT TECHNOLOGIES, INC.

Model Number: G153369576 Serial #: YA646 Transfer Date: 12/15/2003

Isotope: NI63 Activity: 15.000000000 Unit: mCi

NRC Device Key: 772108 Manufacturer License No: 07-28762-02G

Manufacturer Name: AGILENT TECHNOLOGIES, INC.

Model Number: G153369576 Serial #: K2751-0 Transfer Date: 05/15/1996

Isotope: NI63 Activity: 15.000000000 Unit: mCi

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

ATTN: Document Control Desk/GLTS
Director, Office of Federal + State Materials + Envirn. Mgmt.
U.S. Nuclear Regulatory Commission
11545 Rockville Pike
Rockville, MD 20852-2738

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X [signature] ☐ Agent ☐ Addressee

B. Received by (Printed Name) Jim Hilliard
C. Date of Delivery 12-22-08

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☐ Certified Mail ☐ Express Mail
☐ Registered ☒ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee) ☐ Yes

2. Article Number (Transfer from service label) 7004 2890 0000 9602 9446

PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540

Rec'd 12/29/08

BT_OTHER_2008_12_APP_NRC GL

→ BUFFY

7004 2890 0000 9602 9446

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com®

OFFICIAL USE

Postage	$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	$

Postmark Here

Sent To: US Nuclear Regulatory Commission
Street, Apt. No.; or PO Box No. 11545 Rockville Pike
City, State, ZIP+4 Rockville, MD 20852-2738

PS Form 3800, June 2002 See Reverse for Instructions

Rec'd 12/21/08 M. Townley

MSD 001518

Buffy Santel

From: Buffy Santel
Sent: Tuesday, December 16, 2008 12:57 PM
To: Ed Cope
Subject: nuclear device registration

Ed,
I've reviewed the nuclear device registration package you sent me and found there are no necessary changes required. You will need to sign Section 5 prior to submitting. As a reminder, the check and Section 1, Page 1 of 2 are to be sent separately in the small envelope provided with the registration packet. The entire registration should be sent in the large envelope provided with the registration packet.

If you have any additional questions, please let me know.

Buffy C. Santel, P. E.
Metropolitan St. Louis Sewer District
Environmental Compliance
(314) 436-8759

NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

November 26, 2008

TO: All New, Current, or Previous Users of Devices Subject to General License Registration

PURPOSE: To Track and Account for Certain Generally Licensed Devices For Public Protection

SUBJECT: ANNUAL REGISTRATION OF GENERALLY LICENSED DEVICES

The U.S. Nuclear Regulatory Commission (NRC) requires annual registration of certain devices that are possessed under the general license issued in Section 31.5 of Title 10 U.S. Code of Federal Regulations (10 CFR 31.5). Devices subject to registration include those containing the radioactive material and activity listed in Table 1. You are receiving this notice because NRC records indicate that you have one or more such devices. Information about the general license registration program is available on the Internet at http://www.nrc.gov/materials/miau/miau-reg-initiatives/gen-license.html

Mail the registration fee (check or money order payable to the USNRC) or credit card authorization and a copy of completed SECTION 1, PAGE 1 of 2, in the small enclosed envelope to:

U. S. Bank
Accounts Receivable Team
U. S. Nuclear Regulatory Commission
P. O. Box 979051
St. Louis, MO 63197-9000

IMPORTANT

YOUR PAYMENT WILL NOT BE CREDITED TO YOUR ACCOUNT UNLESS YOU PUT YOUR GENERAL LICENSE NUMBER (GL-XXXXX-X) ON THE CHECK OR OTHER PAYMENT METHOD. THE GL NUMBER CAN BE FOUND ON SECTION 1, PAGE 1 of 2, IN THE UPPER LEFT CORNER.

Note that under 10 CFR 31.5(c)(11), the attached General Licensee Registration Package must be completed, signed, and returned to the NRC within 30 days from the date of this letter. READ ALL OF THE INSTRUCTIONS PRIOR TO COMPLETING THE PACKAGE. Mail the completed package in the large enclosed envelope to:

ATTN: Document Control Desk/GLTS
Director, Office of Federal and State Materials
and Environmental Management Programs
U.S. Nuclear Regulatory Commission
11545 Rockville Pike
Rockville, MD 20852-2738

Registration Fee: Commission regulations (10 CFR 170.31, Category 3Q) require that you submit a registration fee with each registration on an annual basis. The registration fee is subject to change yearly, and you are required to submit the fee that is in effect as of the date of this letter. If you wish to pay by credit card, you need to complete NRC Form-629, Authorization for Payment by Credit Card. You can obtain Form-629 by accessing the NRC website at http://www.nrc.gov/who-we-are/license-fees.html, select "Current Payment Options" and then select "Payment by Credit Card" (NRC Form-629). If you are unable to access this information on our website, or if you have any questions about the fee or payment options, call 301-415-7554.

The REGISTRATION FEE is $270.00

NRC amended 10 CFR Parts 170.11 and 170.31 to provide that 10 CFR Part 170 fees be assessed to Federal agencies, where applicable, in accordance with the Energy Policy Act of 2005. Therefore, those Federal facilities required to register certain generally licensed devices in their possession will be required to pay the annual registration fee.

Attachment: NRC Form 664 -- General Licensee Registration and Instructions

INSTRUCTIONS FOR COMPLETING NRC FORM 664
"GENERAL LICENSEE REGISTRATION"

Review all six sections of this registration form. If any information is incorrect or missing, make corrections in the applicable boxes. If you have more devices than space provided in the form, **copy the form before starting, as needed.** Use black ink and print in **CAPITAL LETTERS**. Start information in the first box provided. If the information contains a number with a dash (-) or a decimal point (.), include the dash or decimal point as an individual character. Use the "ø" character to represent the number 0 (zero).

Verify information about the devices by reviewing the label on the outside of the device. **For safety reasons, DO NOT TRY TO TAKE APART any device to verify this information.** If you are uncertain how to identify the device's label, contact the device's manufacturer or an authorized service agent for this information. Also, contact the manufacturer for any additional information about NRC requirements. You may also review 10 CFR 31.5 and other applicable regulations on the NRC web site at http://www.nrc.gov/reading-rm/doc-collections/cfr/, or review specific information about the general licensee project at http://www.nrc.gov/materials/miau/miau-reg-initiatives/gen-license.html

Note to specific licensees: If you believe the device(s) listed on the registration form are possessed under your specific license, then verify the device label does not state the device is subject to a general license. If the labels indicate the device is subject to a general license, then complete the registration form as instructed below. If not, complete the registration as instructed below, however, in Section 2, follow the instructions for "not in possession of device" and complete one Section 4 page per device transferred to your specific license.

Section 1 - General Licensee Information. Provide the requested information about you, the general licensee.

On Page 1, provide the street address/location where your device(s) are used. For portable devices, provide the storage location. P.O. Box addresses are not allowed.

Do not write in the box marked **For NRC Use Only**.

On Page 2, provide the name, telephone number, and title of the individual responsible for your device(s), and a mailing address where correspondence about your device(s) can be sent. The mailing address should be specific to the physical location where the devices are used and/or stored (P.O. boxes may be used if this is the only available mailing address). The individual indicated in this section as responsible for your device(s) must also verify and sign the form in Section 5.

Section 2 - Devices Subject to Registration. This section lists each device subject to registration and in your possession, according to NRC records. Devices subject to registration include those containing at least one of the radionuclides listed in Table 1, with the activity indicated, at the time of manufacture.

Table 1. Criteria for Registration

Radionuclide	Activity greater than or equal to:
Strontium-90, Radium-226	3.7 megabecquerel (0.1 millicurie)
Cobalt-60, Curium-244, Americium-241, and Californium-252	37 megabecquerel (1 millicurie)
Cesium-137	370 megabecquerel (10 millicurie)

Use the codes from Table 2 when correcting isotope information for devices in this section. If you do not possess a device on this list, blacken the "not in possession of device" circle, and provide the relevant information in Section 4. Note that each device is assigned a unique six-digit number called the NRC Device Key.

Table 2. Isotope Codes for Sections 2 and 3

Radionuclide	Code for form	Radionuclide	Code for form
Americium-241	AM241	Curium-244	CM244
Californium-252	CF252	Strontium-90	SR90
Cesium-137	CS137	Radium-226	RA226
Cobalt-60	CO60		

Section 3 - Additional Devices. If you have other generally licensed devices (not listed in Section 2) that meet the conditions for registration listed in Table 1, provide information about each additional device. **Before starting, copy this section as needed for your additional devices.** Also indicate how you acquired each device by blackening the proper circle.

When entering isotope and unit information for your device(s), use the codes listed in Table 2 of Section 2 for isotope information, and use the codes from Table 3 for unit information:

Table 3. Unit Codes for Section 3

Unit	Code for form	Unit	Code for form
picocurie	PCI	becquerel	BQ
nanocurie	NCI	kilobecquerel	KBQ
microcurie	UCI	megabecquerel	MBQ
millicurie	MCI	gigabecquerel	GBQ
curie	CI	terabecquerel	TBQ
pound	LB	microgram	UG
		milligram	MG
kilogram	KG	gram	G

Section 4 - Not in Possession of Device. Use this section to report any devices that are listed in Sections 2 or 6, but that you no longer possess. **Before starting, copy this section as needed for additional devices that are not in your possession.** Enter the NRC Device Key, as listed in Section 2 or 6. Blacken the circle (choose only one) that best describes the disposition of the device and complete the rest of the section as appropriate.

Section 5 - Certification and Signature. The responsible individual must certify, sign, and date Section 5.

Section 6 - Devices Not Subject to Registration. This list contains information about devices that NRC records indicate are in your possession, but **are not subject to registration**. If you no longer have one or more of the listed devices, you are required to make a transfer report to NRC in accordance with 10 CFR 31.5(c)(8) or (9), as applicable. You may use Section 4 for this purpose. This section does not list any static eliminators containing polonium-210 (Po-210), or luminous exit signs containing tritium (H-3). These devices are not subject to registration, and are not included in this section in an effort to reduce the length of this form.

RETURN THE COMPLETED FORM IN THE ENCLOSED ENVELOPE WITH PROPER POSTAGE.

Metropolitan
St. Louis Sewer
District

Bissell Point Treatment Plant
10 East Grand Avenue
St. Louis, MO 63147-2913

MSD

January 16, 2008

ATTN: Document Control Desk/GLTS
Director, Office of Federal and State Materials
And Environmental Management Programs
U. S. NUCLEAR REGULATORY COMMISSION
11545 Rockville Pike
Rockville, MD 20852-2738

Dear NRC:

Enclosed you will find the required registration renewal forms for GL-705439-9. In 2004 we provided information on the exchange of a device not subject to registration. That information was reflected incorrectly in the 2005 renewal application. We again provided information on this exchange in 2005 and 2006. This information is still incorrectly represented in Section 6. The one device listed is correct with one exception. The transfer date is 5/15/1996, not 12/9/2003. However, we had two devices and still do. Device Model G1533-69576 (Serial #YA646) needs to be added to Section 6. The exchange information from receipt of this device is enclosed.

If you have any questions, please call me at 314-436-8749.

Sincerely,
METROPOLITAN ST. LOUIS SEWER DISTRICT

Ed Cope

Ed Cope
Operations Division Manager

Enclosure

cc: Buffy Santel, MSD Division of Environmental Compliance

BT_OTHER_2008_01 APP_NRC 01

NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

1/16/08
OK to pay
ER Copy

November 30, 2007

TO: All New, Current, or Previous Users of Devices Subject to General License Registration

PURPOSE: To Track and Account for Certain Generally Licensed Devices For Public Protection

SUBJECT: ANNUAL REGISTRATION OF GENERALLY LICENSED DEVICES

The U.S. Nuclear Regulatory Commission (NRC) requires annual registration of certain devices that are possessed under the general license issued in Section 31.5 of Title 10 U.S. Code of Federal Regulations (10 CFR 31.5). Devices subject to registration include those containing the radioactive material and activity listed in Table 1. You are receiving this notice because NRC records indicate that you have one or more such devices. Information about the general license registration program is available on the Internet at http://www.nrc.gov/materials/miau/miau-reg-initiatives/gen-license.html

Mail the registration fee (check or money order payable to the USNRC) or credit card authorization and a copy of completed SECTION 1, PAGE 1 of 2, in the small enclosed envelope to:

U. S. Bank
Accounts Receivable Team
U. S. Nuclear Regulatory Commission
P. O. Box 979051
St. Louis, MO 63197-9000

IMPORTANT

YOUR PAYMENT WILL NOT BE CREDITED TO YOUR ACCOUNT UNLESS YOU PUT YOUR GENERAL LICENSE NUMBER (GL-XXXXX-X) ON THE CHECK OR OTHER PAYMENT METHOD. THE GL NUMBER CAN BE FOUND ON SECTION 1, PAGE 1 of 2, IN THE UPPER LEFT CORNER.

Note that under 10 CFR 31.5(c)(11), the attached General Licensee Registration Package must be completed, signed, and returned to the NRC within 30 days from the date of this letter. READ ALL OF THE INSTRUCTIONS PRIOR TO COMPLETING THE PACKAGE. Mail the completed package in the large enclosed envelope to:

ATTN: Document Control Desk/GLTS
Director, Office of Federal and State Materials
and Environmental Management Programs
U.S. Nuclear Regulatory Commission
11545 Rockville Pike
Rockville, MD 20852-2738

Registration Fee: Commission regulations (10 CFR 170.31, Category 3Q) require that you submit a registration fee with each registration on an annual basis. The registration fee is subject to change yearly, and you are required to submit the fee that is in effect as of the date of this letter. If you wish to pay by credit card, you need to complete NRC Form-629, Authorization for Payment by Credit Card. You can obtain Form-629 by accessing the NRC website at http://www.nrc.gov/who-we-are/license-fees.html, select "Current Payment Options" and then select "Payment by Credit Card" (NRC Form-629). If you are unable to access this information on our website, or if you have any questions about the fee or payment options, call 301-415-7554.

The REGISTRATION FEE is $320.00

NRC amended 10 CFR Parts 170.11 and 170.31 to provide that 10 CFR Part 170 fees be assessed to Federal agencies, where applicable, in accordance with the Energy Policy Act of 2005. Therefore, those Federal facilities required to register certain generally licensed devices in their possession will be required to pay the annual registration fee.

Attachment: NRC Form 664 -- General Licensee Registration and Instructions

NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

November 30, 2007

TO: All New, Current, or Previous Users of Devices Subject to General License Registration

PURPOSE: To Track and Account for Certain Generally Licensed Devices For Public Protection

SUBJECT: ANNUAL REGISTRATION OF GENERALLY LICENSED DEVICES

The U.S. Nuclear Regulatory Commission (NRC) requires annual registration of certain devices that are possessed under the general license issued in Section 31.5 of Title 10 U.S. Code of Federal Regulations (10 CFR 31.5). Devices subject to registration include those containing the radioactive material and activity listed in Table 1. You are receiving this notice because NRC records indicate that you have one or more such devices. Information about the general license registration program is available on the Internet at http://www.nrc.gov/materials/miau/miau-reg-initiatives/gen-license.html

Mail the registration fee (check or money order payable to the USNRC) or credit card authorization and a copy of completed SECTION 1, PAGE 1 of 2, in the small enclosed envelope to:

U. S. Bank
Accounts Receivable Team
U. S. Nuclear Regulatory Commission
P. O. Box 979051
St. Louis, MO 63197-9000

IMPORTANT

YOUR PAYMENT WILL NOT BE CREDITED TO YOUR ACCOUNT UNLESS YOU PUT YOUR GENERAL LICENSE NUMBER (GL-XXXXX-X) ON THE CHECK OR OTHER PAYMENT METHOD. THE GL NUMBER CAN BE FOUND ON SECTION 1, PAGE 1 of 2, IN THE UPPER LEFT CORNER.

Note that under 10 CFR 31.5(c)(11), the attached General Licensee Registration Package must be completed, signed, and returned to the NRC within 30 days from the date of this letter. READ ALL OF THE INSTRUCTIONS PRIOR TO COMPLETING THE PACKAGE. Mail the completed package in the large enclosed envelope to:

ATTN: Document Control Desk/GLTS
Director, Office of Federal and State Materials
and Environmental Management Programs
U.S. Nuclear Regulatory Commission
11545 Rockville Pike
Rockville, MD 20852-2738

Registration Fee: Commission regulations (10 CFR 170.31, Category 3Q) require that you submit a registration fee with each registration on an annual basis. The registration fee is subject to change yearly, and you are required to submit the fee that is in effect as of the date of this letter. If you wish to pay by credit card, you need to complete NRC Form-629, Authorization for Payment by Credit Card. You can obtain Form-629 by accessing the NRC website at http://www.nrc.gov/who-we-are/license-fees.html, select "Current Payment Options" and then select "Payment by Credit Card" (NRC Form-629). If you are unable to access this information on our website, or if you have any questions about the fee or payment options, call 301-415-7554.

The REGISTRATION FEE is $320.00

NRC amended 10 CFR Parts 170.11 and 170.31 to provide that 10 CFR Part 170 fees be assessed to Federal agencies, where applicable, in accordance with the Energy Policy Act of 2005. Therefore, those Federal facilities required to register certain generally licensed devices in their possession will be required to pay the annual registration fee.

Attachment: NRC Form 664 -- General Licensee Registration and Instructions

INSTRUCTIONS FOR COMPLETING NRC FORM 664
"GENERAL LICENSEE REGISTRATION"

Review all six sections of this registration form. If any information is incorrect or missing, make corrections in the applicable boxes. If you have more devices than space provided in the form, **copy the form before starting, as needed.** Use black ink and print in **CAPITAL LETTERS**. Start information in the first box provided. If the information contains a number with a dash (-) or a decimal point (.), include the dash or decimal point as an individual character. Use the "ø" character to represent the number 0 (zero).

Verify information about the devices by reviewing the label on the outside of the device. **For safety reasons, DO NOT TRY TO TAKE APART any device to verify this information.** If you are uncertain how to identify the device's label, contact the device's manufacturer or an authorized service agent for this information. Also, contact the manufacturer for any additional information about NRC requirements. You may also review 10 CFR 31.5 and other applicable regulations on the NRC web site at http://www.nrc.gov/reading-rm/doc-collections/cfr/, or review specific information about the general licensee project at http://www.nrc.gov/materials/miau/miau-reg-initiatives/gen-license.html

Note to specific licensees: If you believe the device(s) listed on the registration form are possessed under your specific license, then verify the device label does not state the device is subject to a general license. If the labels indicate the device is subject to a general license, then complete the registration form as instructed below. If not, complete the registration as instructed below, however, in Section 2, follow the instructions for "not in possession of device" and complete one Section 4 page per device transferred to your specific license.

Section 1 - General Licensee Information. Provide the requested information about you, the general licensee.

On Page 1, provide the street address/location where your device(s) are used. For portable devices, provide the storage location. P.O. Box addresses are not allowed.

Do not write in the box marked **For NRC Use Only**.

On Page 2, provide the name, telephone number, and title of the individual responsible for your device(s), and a mailing address where correspondence about your device(s) can be sent. The mailing address should be specific to the physical location where the devices are used and/or stored (P.O. boxes may be used if this is the only available mailing address). The individual indicated in this section as responsible for your device(s) must also verify and sign the form in Section 5.

Section 2 - Devices Subject to Registration. This section lists each device subject to registration and in your possession, according to NRC records. Devices subject to registration include those containing at least one of the radionuclides listed in Table 1, with the activity indicated, at the time of manufacture.

Table 1. Criteria for Registration

Radionuclide	Activity greater than or equal to:
Strontium-90, Radium-226	3.7 megabecquerel (0.1 millicurie)
Cobalt-60, Curium-244, Americium-241, and Californium-252	37 megabecquerel (1 millicurie)
Cesium-137	370 megabecquerel (10 millicurie)

Use the codes from Table 2 when correcting isotope information for devices in this section. If you do not possess a device on this list, blacken the "not in possession of device" circle, and provide the relevant information in Section 4. Note that each device is assigned a unique six-digit number called the NRC Device Key.

Table 2. Isotope Codes for Sections 2 and 3

Radionuclide	Code for form	Radionuclide	Code for form
Americium-241	AM241	Curium-244	CM244
Californium-252	CF252	Strontium-90	SR90
Cesium-137	CS137	Radium-226	RA226
Cobalt-60	CO60		

Section 3 - Additional Devices. If you have other generally licensed devices (not listed in Section 2) that meet the conditions for registration listed in Table 1, provide information about each additional device. **Before starting, copy this section as needed for your additional devices.** Also indicate how you acquired each device by blackening the proper circle.

When entering isotope and unit information for your device(s), use the codes listed in Table 2 of Section 2 for isotope information, and use the codes from Table 3 for unit information:

Table 3. Unit Codes for Section 3

Unit	Code for form	Unit	Code for form
picocurie	PCI	becquerel	BQ
nanocurie	NCI	kilobecquerel	KBQ
microcurie	UCI	megabecquerel	MBQ
millicurie	MCI	gigabecquerel	GBQ
curie	CI	terabecquerel	TBQ
pound	LB	microgram	UG
		milligram	MG
kilogram	KG	gram	G

Section 4 - Not in Possession of Device. Use this section to report any devices that are listed in Sections 2 or 6, but that you no longer possess. **Before starting, copy this section as needed for additional devices that are not in your possession.** Enter the NRC Device Key, as listed in Section 2 or 6. Blacken the circle (choose only one) that best describes the disposition of the device and complete the rest of the section as appropriate.

Section 5 - Certification and Signature. The responsible individual must certify, sign, and date Section 5.

Section 6 - Devices Not Subject to Registration. This list contains information about devices that NRC records indicate are in your possession, but **are not subject to registration**. If you no longer have one or more of the listed devices, you are required to make a transfer report to NRC in accordance with 10 CFR 31.5(c)(8) or (9), as applicable. You may use Section 4 for this purpose. This section does not list any static eliminators containing polonium-210 (Po-210), or luminous exit signs containing tritium (H-3). These devices are not subject to registration, and are not included in this section in an effort to reduce the length of this form.

RETURN THE COMPLETED FORM IN THE ENCLOSED ENVELOPE WITH PROPER POSTAGE.

GL-705439-12
11/28/2007
NRC FORM 664
02 - 2004
10 CFR 31.5

U.S. NUCLEAR REGULATORY COMMISSION

GENERAL LICENSEE REGISTRATION

APPROVED BY OMB: NO. 3150-0198 **EXPIRES: 03/31/2010**

Estimated burden per response to comply with this mandatory collection request: 20 minutes. NRC will use this information to track general licensees and their devices to ensure a higher level of device accountability. 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 to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0000). 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.

Complete all six sections of this registration form. If any of the preprinted information is incorrect, provide the changes in the applicable boxes. USE CAPITAL LETTERS.

General License Registration Number GL-705439-12

SECTION 1 - GENERAL LICENSEE INFORMATION

Enter the company name and the street address/physical location of use for your device(s). For portable devices, specify the primary storage location. Do not use a P.O. Box address.

Company Name: METRO ST LOUIS SEWER

Department: BISSELL POINT TREATMENT

Address Line 1: 10 EAST GRAND AVENUE

Address Line 2:

City: SAINT LOUIS

State: MO Zip Code: 63147 - 2913 -

For NRC Use Only
(Do not write here)
Category:
Packet Receipt Date (MMDDYYYY):
Accession Number:

GL-705439-12
11/28/2007

SECTION 1 - GENERAL LICENSEE INFORMATION (Continued)

Enter the name, telelphone number and title of the person who is the responsible individual for the device(s).

Last Name: COPE JR. ~~OR~~

First Name: EDWIN

Middle Initial: R

Telephone: (314) 436-8749

Extension:

Title: OPERATIONS DIV MANAGER

Enter the mailing address where correspondence regarding your device(s) should be sent. This address should be specific to the use or storage location of your device(s).

Department: BISSELL POINT TREATMENT

Address Line 1: 10 EAST GRAND AVENUE

Address Line 2:

City: SAINT LOUIS

State: MO

Zip Code: 63147 - 2913

GL-705439-12

11/28/2007

SECTION 2 - DEVICES SUBJECT TO REGISTRATION

Our records indicate that you have these devices. Please update the information as necessary.

NRC Device Key **663341** **(Internal Control Number)**

Distributor/Distributed By: TN TECHNOLOGIES, INC.

Distributor License Number: L01105

Manufacturer Name: TN TECHNOLOGIES, INC.

Device Model (Not Source Model): 5201

Device Serial Number: B1867

Transfer Date (Receipt Date): 05/15/1992

MM DD YYYY

☐ **Not in possession of device (Also complete Section 4.)**

	Isotope (e.g. AM241)	Activity (e.g. 100)	Unit (e.g. mCi)
1	CS137	100.000000000	mCi
2			
3			
4			
5			
6			

GL-705439-12

11/28/2007

SECTION 2 - DEVICES SUBJECT TO REGISTRATION

Our records indicate that you have these devices. Please update the information as necessary.

NRC Device Key **663342** **(Internal Control Number)**

Distributor/Distributed By: TN TECHNOLOGIES, INC.

Distributor License Number: L01105

Manufacturer Name: TN TECHNOLOGIES, INC.

Device Model (Not Source Model): 5201

Device Serial Number: B1868

Transfer Date (Receipt Date): 05/15/1992

MM DD YYYY

☐ **Not in possession of device (Also complete Section 4.)**

	Isotope (e.g. AM241)	Activity (e.g. 100)	Unit (e.g. mCi)
1	CS137	100.000000000	mCi
2			
3			
4			
5			
6			

GL-705439-12
11/28/2007

SECTION 2 - DEVICES SUBJECT TO REGISTRATION

Our records indicate that you have these devices. Please update the information as necessary.

NRC Device Key **349410** **(Internal Control Number)**

Distributor/Distributed By: TN TECHNOLOGIES, INC.

Distributor License Number: L01105

Manufacturer Name: TN TECHNOLOGIES, INC.

Device Model (Not Source Model): 5203

Device Serial Number: B215

Transfer Date (Receipt Date): 11/15/1987

MM DD YYYY

☐ **Not in possession of device (Also complete Section 4.)**

	Isotope (e.g. AM241)	Activity (e.g. 100)	Unit (e.g. mCi)
1	CS137	2000.000000000	mCi
2			
3			
4			
5			
6			

GL-705439-12
11/28/2007

SECTION 3 - ADDITIONAL DEVICES SUBJECT TO REGISTRATION

Provide information about other devices you have that are subject to registration. Do not report specifically licensed devices.

Manufacturer Name

Initial Transferor Name

Initial Transferor License Number (if known)

Device Model Number (Not Source Model)

Device Serial Number

How acquired and date (e.g., from a distributor/manufacturer, other licensee, other source)?

- ○ Manufacturer/Initial Transferor listed above
- ○ Other General Licensee
- ○ Other Source

Date Transferred: (Received) MM DD YYYY

	Isotope (e.g. AM241)	Activity (e.g. 100)	Unit (e.g. mCi)
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			

GL-705439-12
11/28/2007

SECTION 4 - NOT IN POSSESSION OF DEVICE

Provide information about devices listed in Section 2 or 6, but no longer in your possession.

Part 1

NRC Device Key:
(from Section 2 or 6)

Transfer Date:
MM DD YYYY

Location of the Device:

- ○ Whereabouts Unknown (complete Part 1 only)
- ○ Never Possessed the Device (complete Part 1 only)
- ○ Returned to Manufacturer (complete Part 1 only)
- ○ Transferred to another general licensee (complete Parts 2 and 3)
- ○ Transferred to a Specific Licensee (Not the manufacturer) (complete Part 2)

Part 2 License Number of Recipient (if transferred to a specific licensee):

Company Name:

Department:

Address Line 1:

Address Line 2:

City:

State: Zip Code: -

Part 3 **Enter the name of the individual responsible for this device:**

Last Name:

First Name:

Middle Initial:

Telephone Number:

Extension:

Title:

SECTION 5 - CERTIFICATION

I hereby certify that:

A. All information contained in this registration is true and complete to the best of my knowledge and belief.

B. A physical inventory of the devices subject to registration has been completed, and the device information on this form has been checked against the device labeling.

C. I am aware of the requirements of the general license, provided in 10 CFR 31.5.
(Copies of applicable regulations may be viewed at the NRC website at:
http://www.nrc.gov/reading-rm/doc-collections/cfr)

1/16/08

SIGNATURE - RESPONSIBLE INDIVIDUAL (Listed in Section 1) **DATE**

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

GL-705439-12
11/28/2007

SECTION 6 - DEVICES NOT SUBJECT TO REGISTRATION

NRC Device Key: 712544 Manufacturer License No: 07-28762-02G

Manufacturer Name: AGILENT TECHNOLOGIES, INC.

Model Number: G153369576 Serial #: K2751 Transfer Date: 12/09/2003

Isotope: NI63 Activity: 15.000000000 Unit: mCi

Agilent Technologies
Innovating the HP Way

Electron Capture Detector Exchange

Please find enclosed the following rebuilt electron capture detector:

Model No.: G1533-69576

and Serial No.: YA646

Which is being returned to you in exchange for electron capture detector:

Model No.: G1533-69576

and Serial No.: K2750

Date received: 12-09-03

Agilent Technologies
Electron Capture Detector Exchange Program
Little Falls Site
2850 Centerville Road
Wilmington, DE 19808-1610

Signature: Brenda Coy

Attention: Do not discard this document. You may be required to verify disposal of the electron capture detector, originally in your possession, prior to this exchange.

White Copy – Customer Copy
Yellow Copy – Agilent Copy

19233-90235

Installed 12/15/03
mtmidcliff

Agilent Technologies
Little Falls Site
2850 Centerville Road
Wilmington, DE 19808-1610
USA

Agilent Technologies

Certificate for Sealed Radioactive Source
Serial No. YA646
Detector Model No. G1535-69576

Characteristics of the Sealed Source

Identification

Radioelement - $^{63}_{28}Ni$

Source Plated by :
AEA Technology, plc,
Oxfordshire, England-UK
Or
Isotope Products Laboratory,
Valencia, CA - USA

ANSI N542 Classification 77C32211 (Equivalent to ISO 2919 Classification, C32211
TYPICAL ACTIVITY: 500 MBq or 13.2 millicuries.

Nominal dimensions of the active part of the detector: Inside diameter: 1.2 cm, Height: 1cm
Maximum activity (not to exceed): 555 MBq or 15 millicuries.
Tested and suitable for use up to 400°C.

Verification Tests

Pressurization Leak Test:

The ECD was pressurized to 16 psi and the leak rate was less than 0.6 psi per minute.

Date of test: 11-26-03 Analyst's Signature [signature]

Final Wipe Test:

The ECD was tested for surface contamination by means of a wipe test followed by liquid scintillation counting, and the value obtained did not exceed 20 Bq (0.54nCi).

Date of test: 12-1-03 Analyst's Signature [signature]

We certify that this sealed source complies with requirements of ANSI N542 and that the above information is correct.

Name & Function: David S. Bennett
Radiation Program Manager
(Radiation Safety Officer, US)

Date: 12-1-03

Signature: [signature]

Attention: Do not discard this document!

Revision J
Part No. 5955-9036

Buffy Santel

From: Buffy Santel
Sent: Wednesday, January 16, 2008 10:05 AM
To: Ed Cope
Subject: Nuclear device registration

Ed,
I've put in interoffice mail the completed nuclear device registration forms. I've attached a cover letter you will need to submit with the registration. Along with the registration there is two pages that need to be attached documenting exchange of a device in the lab. Be sure to sign Section 5 of the registration form.

If you need anything else, let me know.

Buffy C. Santel, P.E.
Environmental Compliance
Metropolitan St. Louis Sewer District
314-436-8759

January 16, 2008

ATTN: Document Control Desk/GLTS
Director, Office of Federal and State Materials
And Environmental Management Programs
U. S. NUCLEAR REGULATORY COMMISSION
11545 Rockville Pike
Rockville, MD 20852-2738

Dear NRC:

Enclosed you will find the required registration renewal forms for GL-705439-9. In 2004 we provided information on the exchange of a device not subject to registration. That information was reflected incorrectly in the 2005 renewal application. We again provided information on this exchange in 2005 and 2006. This information is still incorrectly represented in Section 6. The one device listed is correct with one exception. The transfer date is 5/15/1996, not 12/9/2003. However, we had two devices and still do. Device Model G1533-69576 (Serial #YA646) needs to be added to Section 6. The exchange information from receipt of this device is enclosed.

If you have any questions, please call me at 314-436-8749.

Sincerely,
METROPOLITAN ST. LOUIS SEWER DISTRICT

Ed Cope
Operations Division Manager

Enclosure

cc: Buffy Santel, MSD Division of Environmental Compliance

NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

November 30, 2007

TO: All New, Current, or Previous Users of Devices Subject to General License Registration

PURPOSE: To Track and Account for Certain Generally Licensed Devices For Public Protection

SUBJECT: ANNUAL REGISTRATION OF GENERALLY LICENSED DEVICES

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U. S. Bank
Accounts Receivable Team
U. S. Nuclear Regulatory Commission
P. O. Box 979051
St. Louis, MO 63197-9000

IMPORTANT

YOUR PAYMENT WILL NOT BE CREDITED TO YOUR ACCOUNT UNLESS YOU PUT YOUR GENERAL LICENSE NUMBER (GL-XXXXX-X) ON THE CHECK OR OTHER PAYMENT METHOD. THE GL NUMBER CAN BE FOUND ON SECTION 1, PAGE 1 of 2, IN THE UPPER LEFT CORNER.

Note that under 10 CFR 31.5(c)(11), the attached General Licensee Registration Package must be completed, signed, and returned to the NRC within 30 days from the date of this letter. READ ALL OF THE INSTRUCTIONS PRIOR TO COMPLETING THE PACKAGE. Mail the completed package in the large enclosed envelope to:

ATTN: Document Control Desk/GLTS
Director, Office of Federal and State Materials
and Environmental Management Programs
U.S. Nuclear Regulatory Commission
11545 Rockville Pike
Rockville, MD 20852-2738

Registration Fee: Commission regulations (10 CFR 170.31, Category 3Q) require that you submit a registration fee with each registration on an annual basis. The registration fee is subject to change yearly, and you are required to submit the fee that is in effect as of the date of this letter. If you wish to pay by credit card, you need to complete NRC Form-629, Authorization for Payment by Credit Card. You can obtain Form-629 by accessing the NRC website at http://www.nrc.gov/who-we-are/license-fees.html, select "Current Payment Options" and then select "Payment by Credit Card" (NRC Form-629). If you are unable to access this information on our website, or if you have any questions about the fee or payment options, call 301-415-7554.

The REGISTRATION FEE is $320.00

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Verify information about the devices by reviewing the label on the outside of the device. **For safety reasons, DO NOT TRY TO TAKE APART any device to verify this information.** If you are uncertain how to identify the device's label, contact the device's manufacturer or an authorized service agent for this information. Also, contact the manufacturer for any additional information about NRC requirements. You may also review 10 CFR 31.5 and other applicable regulations on the NRC web site at http://www.nrc.gov/reading-rm/doc-collections/cfr/, or review specific information about the general licensee project at http://www.nrc.gov/materials/miau/miau-reg-initiatives/gen-license.html

Note to specific licensees: If you believe the device(s) listed on the registration form are possessed under your specific license, then verify the device label does not state the device is subject to a general license. If the labels indicate the device is subject to a general license, then complete the registration form as instructed below. If not, complete the registration as instructed below, however, in Section 2, follow the instructions for "not in possession of device" and complete one Section 4 page per device transferred to your specific license.

Section 1 - General Licensee Information. Provide the requested information about you, the general licensee.

On Page 1, provide the street address/location where your device(s) are used. For portable devices, provide the storage location. P.O. Box addresses are not allowed.

Do not write in the box marked **For NRC Use Only**.

On Page 2, provide the name, telephone number, and title of the individual responsible for your device(s), and a mailing address where correspondence about your device(s) can be sent. The mailing address should be specific to the physical location where the devices are used and/or stored (P.O. boxes may be used if this is the only available mailing address). The individual indicated in this section as responsible for your device(s) must also verify and sign the form in Section 5.

Section 2 - Devices Subject to Registration. This section lists each device subject to registration and in your possession, according to NRC records. Devices subject to registration include those containing at least one of the radionuclides listed in Table 1, with the activity indicated, at the time of manufacture.

Table 1. Criteria for Registration

Radionuclide	Activity greater than or equal to:
Strontium-90, Radium-226	3.7 megabecquerel (0.1 millicurie)
Cobalt-60, Curium-244, Americium-241, and Californium-252	37 megabecquerel (1 millicurie)
Cesium-137	370 megabecquerel (10 millicurie)

Use the codes from Table 2 when correcting isotope information for devices in this section. If you do not possess a device on this list, blacken the "not in possession of device" circle, and provide the relevant information in Section 4. Note that each device is assigned a unique six-digit number called the NRC Device Key.

Table 2. Isotope Codes for Sections 2 and 3

Radionuclide	Code for form	Radionuclide	Code for form
Americium-241	AM241	Curium-244	CM244
Californium-252	CF252	Strontium-90	SR90
Cesium-137	CS137	Radium-226	RA226
Cobalt-60	CO60		

Section 3 - Additional Devices. If you have other generally licensed devices (not listed in Section 2) that meet the conditions for registration listed in Table 1, provide information about each additional device. **Before starting, copy this section as needed for your additional devices.** Also indicate how you acquired each device by blackening the proper circle.

When entering isotope and unit information for your device(s), use the codes listed in Table 2 of Section 2 for isotope information, and use the codes from Table 3 for unit information:

Table 3. Unit Codes for Section 3

Unit	Code for form	Unit	Code for form
picocurie	PCI	becquerel	BQ
nanocurie	NCI	kilobecquerel	KBQ
microcurie	UCI	megabecquerel	MBQ
millicurie	MCI	gigabecquerel	GBQ
curie	CI	terabecquerel	TBQ
pound	LB	microgram	UG
		milligram	MG
kilogram	KG	gram	G

Section 4 - Not in Possession of Device. Use this section to report any devices that are listed in Sections 2 or 6, but that you no longer possess. **Before starting, copy this section as needed for additional devices that are not in your possession.** Enter the NRC Device Key, as listed in Section 2 or 6. Blacken the circle (choose only one) that best describes the disposition of the device and complete the rest of the section as appropriate.

Section 5 - Certification and Signature. The responsible individual must certify, sign, and date Section 5.

Section 6 - Devices Not Subject to Registration. This list contains information about devices that NRC records indicate are in your possession, but **are not subject to registration**. If you no longer have one or more of the listed devices, you are required to make a transfer report to NRC in accordance with 10 CFR 31.5(c)(8) or (9), as applicable. You may use Section 4 for this purpose. This section does not list any static eliminators containing polonium-210 (Po-210), or luminous exit signs containing tritium (H-3). These devices are not subject to registration, and are not included in this section in an effort to reduce the length of this form.

RETURN THE COMPLETED FORM IN THE ENCLOSED ENVELOPE WITH PROPER POSTAGE.

GL-705439-12
11/28/2007
NRC FORM 664
02 - 2004
10 CFR 31.5

U.S. NUCLEAR REGULATORY COMMISSION

GENERAL LICENSEE REGISTRATION

APPROVED BY OMB: NO. 3150-0198 **EXPIRES: 03/31/2010**

Estimated burden per response to comply with this mandatory collection request: 20 minutes. NRC will use this information to track general licensees and their devices to ensure a higher level of device accountability. 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 to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0000). 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.

Complete all six sections of this registration form. If any of the preprinted information is incorrect, provide the changes in the applicable boxes. USE CAPITAL LETTERS.

General License Registration Number GL-705439-12

SECTION 1 - GENERAL LICENSEE INFORMATION

Enter the company name and the street address/physical location of use for your device(s). For portable devices, specify the primary storage location. Do not use a P.O. Box address.

Company Name: METRO ST LOUIS SEWER

Department: BISSELL POINT TREATMENT

Address Line 1: 10 EAST GRAND AVENUE

Address Line 2:

City: SAINT LOUIS

State: MO

Zip Code: 63147 - 2913

For NRC Use Only
(Do not write here)

Category:

Packet Receipt Date (MMDDYYYY):

Accession Number:

SECTION 1 - GENERAL LICENSEE INFORMATION (Continued)

Enter the name, telelphone number and title of the person who is the responsible individual for the device(s).

Last Name: COPE JR. ~~OR~~

First Name: EDWIN

Middle Initial: R

Telephone: (314) 436-8749

Extension:

Title: OPERATIONS DIV MANAGER

Enter the mailing address where correspondence regarding your device(s) should be sent. This address should be specific to the use or storage location of your device(s).

Department: BISSELL POINT TREATMENT

Address Line 1: 10 EAST GRAND AVENUE

Address Line 2:

City: SAINT LOUIS

State: MO

Zip Code: 63147 - 2913

GL-705439-12

11/28/2007

SECTION 2 - DEVICES SUBJECT TO REGISTRATION

Our records indicate that you have these devices. Please update the information as necessary.

NRC Device Key **663341** **(Internal Control Number)**

Distributor/Distributed By: TN TECHNOLOGIES, INC.

Distributor License Number: L01105

Manufacturer Name: TN TECHNOLOGIES, INC.

Device Model (Not Source Model): 5201

Device Serial Number: B1867

Transfer Date (Receipt Date): 05/15/1992

MM DD YYYY

☐ **Not in possession of device (Also complete Section 4.)**

	Isotope (e.g. AM241)	Activity (e.g. 100)	Unit (e.g. mCi)
1	CS137	100.000000000	mCi
2			
3			
4			
5			
6			

GL-705439-12

11/28/2007

SECTION 2 - DEVICES SUBJECT TO REGISTRATION

Our records indicate that you have these devices. Please update the information as necessary.

NRC Device Key **663342** **(Internal Control Number)**

Distributor/Distributed By: TN TECHNOLOGIES, INC.

Distributor License Number: L01105

Manufacturer Name: TN TECHNOLOGIES, INC.

Device Model (Not Source Model): 5201

Device Serial Number: B1868

Transfer Date (Receipt Date): 05/15/1992

MM DD YYYY

☐ **Not in possession of device (Also complete Section 4.)**

	Isotope (e.g. AM241)	Activity (e.g. 100)	Unit (e.g. mCi)
1	CS137	100.000000000	mCi
2			
3			
4			
5			
6			

GL-705439-12

11/28/2007

SECTION 2 - DEVICES SUBJECT TO REGISTRATION

Our records indicate that you have these devices. Please update the information as necessary.

NRC Device Key **349410** **(Internal Control Number)**

Distributor/Distributed By: TN TECHNOLOGIES, INC.

Distributor License Number: L01105

Manufacturer Name: TN TECHNOLOGIES, INC.

Device Model (Not Source Model): 5203

Device Serial Number: B215

Transfer Date (Receipt Date): 11/15/1987

MM DD YYYY

☐ **Not in possession of device (Also complete Section 4.)**

	Isotope (e.g. AM241)	Activity (e.g. 100)	Unit (e.g. mCi)
1	CS137	2000.000000000	mCi
2			
3			
4			
5			
6			

GL-705439-12
11/28/2007

SECTION 3 - ADDITIONAL DEVICES SUBJECT TO REGISTRATION

Provide information about other devices you have that are subject to registration. Do not report specifically licensed devices.

Manufacturer Name

Initial Transferor Name

Initial Transferor License Number (if known)

Device Model Number (Not Source Model)

Device Serial Number

How acquired and date (e.g., from a distributor/manufacturer, other licensee, other source)?

- ○ Manufacturer/Initial Transferor listed above
- ○ Other General Licensee
- ○ Other Source

Date Transferred: (Received) MM DD YYYY

	Isotope (e.g. AM241)	Activity (e.g. 100)	Unit (e.g. mCi)
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			

GL-705439-12
11/28/2007

SECTION 4 - NOT IN POSSESSION OF DEVICE

Provide information about devices listed in Section 2 or 6, but no longer in your possession.

Part 1

NRC Device Key:
(from Section 2 or 6)

Transfer Date:
MM DD YYYY

Location of the Device:

- ○ Whereabouts Unknown (complete Part 1 only)
- ○ Never Possessed the Device (complete Part 1 only)
- ○ Returned to Manufacturer (complete Part 1 only)
- ○ Transferred to another general licensee (complete Parts 2 and 3)
- ○ Transferred to a Specific Licensee (Not the manufacturer) (complete Part 2)

Part 2 License Number of Recipient (if transferred to a specific licensee):

Company Name:

Department:

Address Line 1:

Address Line 2:

City:

State: Zip Code: -

Part 3 **Enter the name of the individual responsible for this device:**

Last Name:

First Name:

Middle Initial:

Telephone Number: Extension:

Title:

SECTION 5 - CERTIFICATION

I hereby certify that:

A. All information contained in this registration is true and complete to the best of my knowledge and belief.

B. A physical inventory of the devices subject to registration has been completed, and the device information on this form has been checked against the device labeling.

C. I am aware of the requirements of the general license, provided in 10 CFR 31.5.
(Copies of applicable regulations may be viewed at the NRC website at:
http://www.nrc.gov/reading-rm/doc-collections/cfr)

SIGNATURE - RESPONSIBLE INDIVIDUAL (Listed in Section 1) **DATE**

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

GL-705439-12
11/28/2007

SECTION 6 - DEVICES NOT SUBJECT TO REGISTRATION

NRC Device Key: 712544 Manufacturer License No: 07-28762-02G

Manufacturer Name: AGILENT TECHNOLOGIES, INC.

Model Number: G153369576 Serial #: K2751 Transfer Date: 12/09/2003

Isotope: NI63 Activity: 15.000000000 Unit: mCi

MSD

UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

05/24/2007

METRO ST LOUIS SEWER
Attn: EDWIN COPE JR. OR
BISSELL POINT TREATMENT
10 EAST GRAND AVENUE

SAINT LOUIS, MO 63147-2913

SUBJECT: ACKNOWLEDGMENT LETTER(REFERENCE NO.: GLTS-A-705439)

We have received your response to the registration package for GL-705439-9

We have processed the application and have registered your devices. As a reminder, you are responsible to notify the NRC of any device transfers (must file report within 30 days of the transfer) and changes in address.

For additional requirements that you are subject to as a General Licensee, please refer to the Code of Federal Regulations (CFR), 10 CFR 31.5.

If you have any questions regarding your submittal or your responsibilities as a General Licensee call (301) 415-7231 or visit *www.nrc.gov/materials/medical.html.*

BT_OTHER_2007_05_PMT_NRC GL

Metropolitan
St. Louis Sewer
District

Bissell Point Treatment Plant
10 East Grand Avenue
St. Louis, MO 63147-2913

File ~~MSD~~
Nuclear
Devices

April 16, 2007

U. S. Nuclear Regulatory Agency
ATTN: Accounts Receivable Team,
OCFO, Mail Stop T-9 E10
11555 Rockville Pike
Rockville, MD 20852-2738

Dear NRC:

Enclosed you will find the required registration renewal forms for GL-705439-9. In 2004 we provided information on the exchange of a device not subject to registration. That information was reflected incorrectly in the 2005 renewal application. We again provided information on this exchange in 2005. This information is still incorrectly represented in Section 6. The one device listed is correct with one exception. The transfer date is 5/15/1996, not 12/9/2003. However, we had two devices and still do. Device Model G1533-69576 (Serial #YA646) needs to be added to Section 6. The exchange information from receipt of this device is enclosed.

If you have any questions, please call me at 314-436-8749.

Sincerely,
METROPOLITAN ST. LOUIS SEWER DISTRICT

Edwin R Cope Jr.

Ed Cope
Operations Division Manager

Enclosure

ST_OTHER_2007_04_APP_NRC GL

NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

February 15, 2007

TO: All New, Current, or Previous Users of Devices Subject to General License Registration

PURPOSE: To Track and Account for Certain Generally Licensed Devices For Public Protection

SUBJECT: ANNUAL REGISTRATION OF GENERALLY LICENSED DEVICES

The U.S. Nuclear Regulatory Commission (NRC) requires annual registration of certain devices that are possessed under the general license issued in Section 31.5 of Title 10 U.S. Code of Federal Regulations (10 CFR 31.5). Devices subject to registration include those containing the radioactive material and activity listed in Table 1. You are receiving this notice because NRC records indicate that you have one or more such devices. Information about the general license registration program is available on the Internet at http://www.nrc.gov/materials/miau/miau-reg-initiatives/gen-license.html

Mail the registration fee (check or money order payable to the USNRC) or credit card authorization and a copy of completed SECTION 1, PAGE 1 of 2, in the small enclosed envelope to:

U. S. Bank
Accounts Receivable Team
U. S. Nuclear Regulatory Commission
P. O. Box 74514
St. Louis, MO 63195-4514

IMPORTANT

YOUR PAYMENT WILL NOT BE CREDITED TO YOUR ACCOUNT UNLESS YOU PUT YOUR GENERAL LICENSE NUMBER (GL-XXXXX-X) ON THE CHECK OR OTHER PAYMENT METHOD. THE GL NUMBER CAN BE FOUND ON SECTION 1, PAGE 1 of 2, IN THE UPPER LEFT CORNER.

Note that under 10 CFR 31.5(c)(11), the attached General Licensee Registration Package must be completed, signed, and returned to the NRC within 30 days from the date of this letter. READ ALL OF THE INSTRUCTIONS PRIOR TO COMPLETING THE PACKAGE. Mail the completed package in the large enclosed envelope to:

U.S. Nuclear Regulatory Commission
ATTN: Accounts Receivable Team
OCFO, Mail Stop T-9 E10
11555 Rockville Pike
Rockville, MD 20852-2738

Registration Fee: Commission regulations (10 CFR 170.31, Category 3Q) require that you submit a registration fee with each registration on an annual basis. The registration fee is subject to change yearly, and you are required to submit the fee that is in effect as of the date of this letter. If you wish to pay by credit card, you need to complete NRC Form-629, Authorization for Payment by Credit Card. You can obtain Form-629 by accessing the NRC website at http://www.nrc.gov/who-we-are/license-fees.html, select "Current Payment Options" and then select "Payment by Credit Card" (NRC Form-629). If you are unable to access this information on our website, or if you have any questions about the fee or payment options, call 301-415-7554.

The REGISTRATION FEE is $730.00

NRC amended 10 CFR Parts 170.11 and 170.31 to provide that 10 CFR Part 170 fees be assessed to Federal agencies, where applicable, in accordance with the Energy Policy Act of 2005. Therefore, those Federal facilities required to register certain generally licensed devices in their possession will be required to pay the annual registration fee.

Attachment: NRC Form 664 -- General Licensee Registration and Instructions

INSTRUCTIONS FOR COMPLETING NRC FORM 664
"GENERAL LICENSEE REGISTRATION"

Review all six sections of this registration form. If any information is incorrect or missing, make corrections in the applicable boxes. If you have more devices than space provided in the form, **copy the form before starting, as needed.** Use black ink and print in **CAPITAL LETTERS**. Start information in the first box provided. If the information contains a number with a dash (-) or a decimal point (.), include the dash or decimal point as an individual character. Use the "ø" character to represent the number 0 (zero).

Verify information about the devices by reviewing the label on the outside of the device. **For safety reasons, DO NOT TRY TO TAKE APART any device to verify this information.** If you are uncertain how to identify the device's label, contact the device's manufacturer or an authorized service agent for this information. Also, contact the manufacturer for any additional information about NRC requirements. You may also review 10 CFR 31.5 and other applicable regulations on the NRC web site at http://www.nrc.gov/reading-rm/doc-collections/cfr/, or review specific information about the general licensee project at http://www.nrc.gov/materials/miau/miau-reg-initiatives/gen-license.html

Note to specific licensees: If you believe the device(s) listed on the registration form are possessed under your specific license, then verify the device label does not state the device is subject to a general license. If the labels indicate the device is subject to a general license, then complete the registration form as instructed below. If not, complete the registration as instructed below, however, in Section 2, follow the instructions for "not in possession of device" and complete one Section 4 page per device transferred to your specific license.

Section 1 - General Licensee Information. Provide the requested information about you, the general licensee.

On Page 1, provide the street address/location where your device(s) are used. For portable devices, provide the storage location. P.O. Box addresses are not allowed.

Do not write in the box marked **For NRC Use Only**.

On Page 2, provide the name, telephone number, and title of the individual responsible for your device(s), and a mailing address where correspondence about your device(s) can be sent. The mailing address should be specific to the physical location where the devices are used and/or stored (P.O. boxes may be used if this is the only available mailing address). The individual indicated in this section as responsible for your device(s) must also verify and sign the form in Section 5.

Section 2 - Devices Subject to Registration. This section lists each device subject to registration and in your possession, according to NRC records. Devices subject to registration include those containing at least one of the radionuclides listed in Table 1, with the activity indicated, at the time of manufacture.

Table 1. Criteria for Registration

Radionuclide	Activity greater than or equal to:
Strontium-90	3.7 megabecquerel (0.1 millicurie)
Cobalt-60, Curium-244, Americium-241, and Californium-252	37 megabecquerel (1 millicurie)
Cesium-137	370 megabecquerel (10 millicurie)

Use the codes from Table 2 when correcting isotope information for devices in this section. If you do not possess a device on this list, blacken the "not in possession of device" circle, and provide the relevant information in Section 4. Note that each device is assigned a unique six-digit number called the NRC Device Key.

Table 2. Isotope Codes for Sections 2 and 3

Radionuclide	Code for form	Radionuclide	Code for form
Americium-241	AM241	Curium-244	CM244
Californium-252	CF252	Strontium-90	SR90
Cesium-137	CS137		
Cobalt-60	CO60		

Section 3 - Additional Devices. If you have other generally licensed devices (not listed in Section 2) that meet the conditions for registration listed in Table 1, provide information about each additional device. **Before starting, copy this section as needed for your additional devices.** Also indicate how you acquired each device by blackening the proper circle.

When entering isotope and unit information for your device(s), use the codes listed in Table 2 of Section 2 for isotope information, and use the codes from Table 3 for unit information:

Table 3. Unit Codes for Section 3

Unit	Code for form	Unit	Code for form
picocurie	PCI	becquerel	BQ
nanocurie	NCI	kilobecquerel	KBQ
microcurie	UCI	megabecquerel	MBQ
millicurie	MCI	gigabecquerel	GBQ
curie	CI	terabecquerel	TBQ
pound	LB	microgram	UG
		milligram	MG
kilogram	KG	gram	G

Section 4 - Not in Possession of Device. Use this section to report any devices that are listed in Sections 2 or 6, but that you no longer possess. **Before starting, copy this section as needed for additional devices that are not in your possession.** Enter the NRC Device Key, as listed in Section 2 or 6. Blacken the circle (choose only one) that best describes the disposition of the device and complete the rest of the section as appropriate.

Section 5 - Certification and Signature. The responsible individual must certify, sign, and date Section 5.

Section 6 - Devices Not Subject to Registration. This list contains information about devices that NRC records indicate are in your possession, but **are not subject to registration**. If you no longer have one or more of the listed devices, you are required to make a transfer report to NRC in accordance with 10 CFR 31.5(c)(8) or (9), as applicable. You may use Section 4 for this purpose. This section does not list any static eliminators containing polonium-210 (Po-210), or luminous exit signs containing tritium (H-3). These devices are not subject to registration, and are not included in this section in an effort to reduce the length of this form.

RETURN THE COMPLETED FORM IN THE ENCLOSED ENVELOPE WITH PROPER POSTAGE.

GL-705439-9
02/08/2007
NRC FORM 664
02 - 2004
10 CFR 31.5

U.S. NUCLEAR REGULATORY COMMISSION

GENERAL LICENSEE REGISTRATION

APPROVED BY OMB: NO. 3150-0198 **EXPIRES: 02/28/2007**

Estimated burden per response to comply with this mandatory collection request: 20 minutes. NRC will use this information to track general licensees and their devices to ensure a higher level of device accountability. 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 to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0000). 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.

Complete all six sections of this registration form. If any of the preprinted information is incorrect, provide the changes in the applicable boxes. USE CAPITAL LETTERS.

General License Registration Number GL-705439-9

SECTION 1 - GENERAL LICENSEE INFORMATION

Enter the company name and the street address/physical location of use for your device(s). For portable devices, specify the primary storage location. Do not use a P.O. Box address.

Company Name: METRO ST LOUIS SEWER

Department: BISSELL POINT TREATMENT

Address Line 1: 10 EAST GRAND AVENUE

Address Line 2:

City: SAINT LOUIS

State: MO

Zip Code: 63147 - 2913 -

For NRC Use Only
(Do not write here)

Category:

Packet Receipt Date (MMDDYYYY):

Accession Number:

SECTION 1 - GENERAL LICENSEE INFORMATION (Continued)

Enter the name, telelphone number and title of the person who is the responsible individual for the device(s).

Last Name: COPE JR. ~~OR~~

First Name: EDWIN

Middle Initial: R

Telephone: (314) 436-8749

Extension:

Title: OPERATIONS DIV MANAGER

Enter the mailing address where correspondence regarding your device(s) should be sent. This address should be specific to the use or storage location of your device(s).

Department: BISSELL POINT TREATMENT

Address Line 1: 10 EAST GRAND AVENUE

Address Line 2:

City: SAINT LOUIS

State: MO

Zip Code: 63147 - 2913

GL-705439-9

02/08/2007

SECTION 2 - DEVICES SUBJECT TO REGISTRATION

Our records indicate that you have these devices. Please update the information as necessary.

NRC Device Key **663341** **(Internal Control Number)**

Distributor/Distributed By: TN TECHNOLOGIES, INC.

Distributor License Number: L01105

Manufacturer Name: TN TECHNOLOGIES, INC.

Device Model (Not Source Model): 5201

Device Serial Number: B1867

Transfer Date (Receipt Date): 05/15/1992

MM DD YYYY

☐ **Not in possession of device (Also complete Section 4.)**

	Isotope (e.g. AM241)	Activity (e.g. 100)	Unit (e.g. mCi)
1	CS137	100.000000000	mCi
2			
3			
4			
5			
6			

GL-705439-9

02/08/2007

SECTION 2 - DEVICES SUBJECT TO REGISTRATION

Our records indicate that you have these devices. Please update the information as necessary.

NRC Device Key **663342** **(Internal Control Number)**

Distributor/Distributed By: TN TECHNOLOGIES, INC.

Distributor License Number: L01105

Manufacturer Name: TN TECHNOLOGIES, INC.

Device Model (Not Source Model): 5201

Device Serial Number: B1868

Transfer Date (Receipt Date): 05/15/1992

MM DD YYYY

☐ **Not in possession of device (Also complete Section 4.)**

	Isotope (e.g. AM241)	Activity (e.g. 100)	Unit (e.g. mCi)
1	CS137	100.000000000	mCi
2			
3			
4			
5			
6			

GL-705439-9

02/08/2007

SECTION 2 - DEVICES SUBJECT TO REGISTRATION

Our records indicate that you have these devices. Please update the information as necessary.

NRC Device Key **349410** **(Internal Control Number)**

Distributor/Distributed By: TN TECHNOLOGIES, INC.

Distributor License Number: L01105

Manufacturer Name: TN TECHNOLOGIES, INC.

Device Model (Not Source Model): 5203

Device Serial Number: B215

Transfer Date (Receipt Date): 09/25/2002

11 15 1987

MM DD YYYY

☐ **Not in possession of device (Also complete Section 4.)**

	Isotope (e.g. AM241)	Activity (e.g. 100)	Unit (e.g. mCi)
1	CS137	2000.000000000	mCi
2			
3			
4			
5			
6			

GL-705439-9
02/08/2007

SECTION 3 - ADDITIONAL DEVICES SUBJECT TO REGISTRATION

Provide information about other devices you have that are subject to registration. Do not report specifically licensed devices.

Manufacturer Name

Initial Transferor Name

Initial Transferor License Number (if known)

Device Model Number (Not Source Model)

Device Serial Number

How acquired and date (e.g., from a distributor/manufacturer, other licensee, other source)?

- ○ Manufacturer/Initial Transferor listed above
- ○ Other General Licensee
- ○ Other Source

Date Transferred: (Received) MM DD YYYY

	Isotope (e.g. AM241)	Activity (e.g. 100)	Unit (e.g. mCi)
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			

GL-705439-9
02/08/2007

SECTION 4 - NOT IN POSSESSION OF DEVICE

Provide information about devices listed in Section 2 or 6, but no longer in your possession.

Part 1

NRC Device Key:
(from Section 2 or 6)

Transfer Date:
MM DD YYYY

Location of the Device:

- ○ Whereabouts Unknown (complete Part 1 only)
- ○ Never Possessed the Device (complete Part 1 only)
- ○ Returned to Manufacturer (complete Part 1 only)
- ○ Transferred to another general licensee (complete Parts 2 and
- ○ Transferred to a Specific Licensee (Not the manufacturer) (complete Part 2)

Part 2 License Number of Recipient (if transferred to a specific licensee):

Company Name:

Department:

Address Line 1:

Address Line 2:

City:

State: Zip Code: -

Part 3 **Enter the name of the individual responsible for this device:**

Last Name:

First Name:

Middle Initial:

Telephone Number: Extension:

Title:

GL-705439-9
02/08/2007

SECTION 5 - CERTIFICATION

I hereby certify that:

A. All information contained in this registration is true and complete to the best of my knowledge and belief.

B. A physical inventory of the devices subject to registration has been completed, and the device information on this form has been checked against the device labeling.

C. I am aware of the requirements of the general license, provided in 10 CFR 31.5. (Copies of applicable regulations may be viewed at the NRC website at: http://www.nrc.gov/reading-rm/doc-collections/cfr)

Edwin R Cox Jr — 4/20/07

SIGNATURE - RESPONSIBLE INDIVIDUAL (Listed in Section 1) DATE

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

GL-705439-9
02/08/2007

SECTION 6 - DEVICES NOT SUBJECT TO REGISTRATION

NRC Device Key: 712544 Manufacturer License No: 07-28762-02G

Manufacturer Name: AGILENT TECHNOLOGIES, INC.

Model Number: G153369576 Serial #: K2751 Transfer Date: 12/09/2003

Isotope: NI63 Activity: 15.000000000 Unit: mCi

Agilent Technologies
Innovating the HP Way

Electron Capture Detector Exchange

Please find enclosed the following rebuilt electron capture detector:

Model No.: G1533-69576

and Serial No.: YA646

Which is being returned to you in exchange for electron capture detector:

Model No.: G1533-69576

and Serial No.: K2750

Date received: 12-09-03

Agilent Technologies
Electron Capture Detector Exchange Program
Little Falls Site
2850 Centerville Road
Wilmington, DE 19808-1610

Signature: Brenda Cox

Attention: Do not discard this document. You may be required to verify disposal of the electron capture detector, originally in your possession, prior to this exchange.

White Copy – Customer Copy
Yellow Copy – Agilent Copy

19233-90235

Installed 12/15/03
mtmidcliff

Agilent Technologies
Little Falls Site
2850 Centerville Road
Wilmington, DE 19808-1610
USA

Agilent Technologies

Certificate for Sealed Radioactive Source
Serial No. YA646
Detector Model No. G1533-69576

Characteristics of the Sealed Source

Identification

Radioelement - $^{63}_{28}Ni$

Source Plated by :
AEA Technology, plc,
Oxfordshire, England-UK
Or
Isotope Products Laboratory,
Valencia, CA - USA

ANSI N542 Classification 77C32211 (Equivalent to ISO 2919 Classification, C32211
TYPICAL ACTIVITY: 500 MBq or 13.2 millicuries.

Nominal dimensions of the active part of the detector: Inside diameter: 1.2 cm, Height: 1cm
Maximum activity (not to exceed): 555 MBq or 15 millicuries.
Tested and suitable for use up to 400°C.

Verification Tests

Pressurization Leak Test:

The ECD was pressurized to 16 psi and the leak rate was less than 0.6 psi per minute.

Date of test: 11-26-03 Analyst's Signature [signature]

Final Wipe Test:

The ECD was tested for surface contamination by means of a wipe test followed by liquid scintillation counting, and the value obtained did not exceed 20 Bq (0.54nCi).

Date of test: 12-1-03 Analyst's Signature [signature]

We certify that this sealed source complies with requirements of ANSI N542 and that the above information is correct.

Name & Function: David S. Bennett
Radiation Program Manager
(Radiation Safety Officer, US)

Date: 12-1-03

Signature: [signature]

Attention: Do not discard this document!

Revision J
Part No. 5955-9036

Buffy Santel

From: Buffy Santel
Sent: Friday, April 13, 2007 1:00 PM
To: Ed Cope
Subject: Nuclear Device Registration

Ed,
I've completed the nuclear device registration renewal and put it in interoffice mail to you along with some additional documentation that needs to be sent regarding devices in the lab. Attached is a cover letter for your signature. Don't forget to sign Section 5 of the renewal application.

If you need anything else, let me know.

Buffy C. Santel, P.E.
Environmental Compliance
Metropolitan St. Louis Sewer District
314-436-8759

April 16, 2007

U. S. Nuclear Regulatory Agency
ATTN: Accounts Receivable Team,
OCFO, Mail Stop T-9 E10
11555 Rockville Pike
Rockville, MD 20852-2738

Dear NRC:

Enclosed you will find the required registration renewal forms for GL-705439-9. In 2004 we provided information on the exchange of a device not subject to registration. That information was reflected incorrectly in the 2005 renewal application. We again provided information on this exchange in 2005. This information is still incorrectly represented in Section 6. The one device listed is correct with one exception. The transfer date is 5/15/1996, not 12/9/2003. However, we had two devices and still do. Device Model G1533-69576 (Serial #YA646) needs to be added to Section 6. The exchange information from receipt of this device is enclosed.

If you have any questions, please call me at 314-436-8749.

Sincerely,
METROPOLITAN ST. LOUIS SEWER DISTRICT

Ed Cope
Operations Division Manager

Enclosure

NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

February 15, 2007

TO: All New, Current, or Previous Users of Devices Subject to General License Registration

PURPOSE: To Track and Account for Certain Generally Licensed Devices For Public Protection

SUBJECT: ANNUAL REGISTRATION OF GENERALLY LICENSED DEVICES

The U.S. Nuclear Regulatory Commission (NRC) requires annual registration of certain devices that are possessed under the general license issued in Section 31.5 of Title 10 U.S. Code of Federal Regulations (10 CFR 31.5). Devices subject to registration include those containing the radioactive material and activity listed in Table 1. You are receiving this notice because NRC records indicate that you have one or more such devices. Information about the general license registration program is available on the Internet at http://www.nrc.gov/materials/miau/miau-reg-initiatives/gen-license.html

Mail the registration fee (check or money order payable to the USNRC) or credit card authorization and a copy of completed SECTION 1, PAGE 1 of 2, in the small enclosed envelope to:

U. S. Bank
Accounts Receivable Team
U. S. Nuclear Regulatory Commission
P. O. Box 74514
St. Louis, MO 63195-4514

IMPORTANT

YOUR PAYMENT WILL NOT BE CREDITED TO YOUR ACCOUNT UNLESS YOU PUT YOUR GENERAL LICENSE NUMBER (GL-XXXXX-X) ON THE CHECK OR OTHER PAYMENT METHOD. THE GL NUMBER CAN BE FOUND ON SECTION 1, PAGE 1 of 2, IN THE UPPER LEFT CORNER.

Note that under 10 CFR 31.5(c)(11), the attached General Licensee Registration Package must be completed, signed, and returned to the NRC within 30 days from the date of this letter. READ ALL OF THE INSTRUCTIONS PRIOR TO COMPLETING THE PACKAGE. Mail the completed package in the large enclosed envelope to:

U.S. Nuclear Regulatory Commission
ATTN: Accounts Receivable Team
OCFO, Mail Stop T-9 E10
11555 Rockville Pike
Rockville, MD 20852-2738

Registration Fee: Commission regulations (10 CFR 170.31, Category 3Q) require that you submit a registration fee with each registration on an annual basis. The registration fee is subject to change yearly, and you are required to submit the fee that is in effect as of the date of this letter. If you wish to pay by credit card, you need to complete NRC Form-629, Authorization for Payment by Credit Card. You can obtain Form-629 by accessing the NRC website at http://www.nrc.gov/who-we-are/license-fees.html, select "Current Payment Options" and then select "Payment by Credit Card" (NRC Form-629). If you are unable to access this information on our website, or if you have any questions about the fee or payment options, call 301-415-7554.

The REGISTRATION FEE is $730.00

NRC amended 10 CFR Parts 170.11 and 170.31 to provide that 10 CFR Part 170 fees be assessed to Federal agencies, where applicable, in accordance with the Energy Policy Act of 2005. Therefore, those Federal facilities required to register certain generally licensed devices in their possession will be required to pay the annual registration fee.

Attachment: NRC Form 664 -- General Licensee Registration and Instructions

INSTRUCTIONS FOR COMPLETING NRC FORM 664
"GENERAL LICENSEE REGISTRATION"

Review all six sections of this registration form. If any information is incorrect or missing, make corrections in the applicable boxes. If you have more devices than space provided in the form, **copy the form before starting, as needed.** Use black ink and print in **CAPITAL LETTERS**. Start information in the first box provided. If the information contains a number with a dash (-) or a decimal point (.), include the dash or decimal point as an individual character. Use the "ø" character to represent the number 0 (zero).

Verify information about the devices by reviewing the label on the outside of the device. **For safety reasons, DO NOT TRY TO TAKE APART any device to verify this information.** If you are uncertain how to identify the device's label, contact the device's manufacturer or an authorized service agent for this information. Also, contact the manufacturer for any additional information about NRC requirements. You may also review 10 CFR 31.5 and other applicable regulations on the NRC web site at http://www.nrc.gov/reading-rm/doc-collections/cfr/, or review specific information about the general licensee project at http://www.nrc.gov/materials/miau/miau-reg-initiatives/gen-license.html

Note to specific licensees: If you believe the device(s) listed on the registration form are possessed under your specific license, then verify the device label does not state the device is subject to a general license. If the labels indicate the device is subject to a general license, then complete the registration form as instructed below. If not, complete the registration as instructed below, however, in Section 2, follow the instructions for "not in possession of device" and complete one Section 4 page per device transferred to your specific license.

Section 1 - General Licensee Information. Provide the requested information about you, the general licensee.

On Page 1, provide the street address/location where your device(s) are used. For portable devices, provide the storage location. P.O. Box addresses are not allowed.

Do not write in the box marked **For NRC Use Only**.

On Page 2, provide the name, telephone number, and title of the individual responsible for your device(s), and a mailing address where correspondence about your device(s) can be sent. The mailing address should be specific to the physical location where the devices are used and/or stored (P.O. boxes may be used if this is the only available mailing address). The individual indicated in this section as responsible for your device(s) must also verify and sign the form in Section 5.

Section 2 - Devices Subject to Registration. This section lists each device subject to registration and in your possession, according to NRC records. Devices subject to registration include those containing at least one of the radionuclides listed in Table 1, with the activity indicated, at the time of manufacture.

Table 1. Criteria for Registration

Radionuclide	Activity greater than or equal to:
Strontium-90	3.7 megabecquerel (0.1 millicurie)
Cobalt-60, Curium-244, Americium-241, and Californium-252	37 megabecquerel (1 millicurie)
Cesium-137	370 megabecquerel (10 millicurie)

Use the codes from Table 2 when correcting isotope information for devices in this section. If you do not possess a device on this list, blacken the "not in possession of device" circle, and provide the relevant information in Section 4. Note that each device is assigned a unique six-digit number called the NRC Device Key.

Table 2. Isotope Codes for Sections 2 and 3

Radionuclide	Code for form	Radionuclide	Code for form
Americium-241	AM241	Curium-244	CM244
Californium-252	CF252	Strontium-90	SR90
Cesium-137	CS137		
Cobalt-60	CO60		

Section 3 - Additional Devices. If you have other generally licensed devices (not listed in Section 2) that meet the conditions for registration listed in Table 1, provide information about each additional device. **Before starting, copy this section as needed for your additional devices.** Also indicate how you acquired each device by blackening the proper circle.

When entering isotope and unit information for your device(s), use the codes listed in Table 2 of Section 2 for isotope information, and use the codes from Table 3 for unit information:

Table 3. Unit Codes for Section 3

Unit	Code for form	Unit	Code for form
picocurie	PCI	becquerel	BQ
nanocurie	NCI	kilobecquerel	KBQ
microcurie	UCI	megabecquerel	MBQ
millicurie	MCI	gigabecquerel	GBQ
curie	CI	terabecquerel	TBQ
pound	LB	microgram	UG
		milligram	MG
kilogram	KG	gram	G

Section 4 - Not in Possession of Device. Use this section to report any devices that are listed in Sections 2 or 6, but that you no longer possess. **Before starting, copy this section as needed for additional devices that are not in your possession.** Enter the NRC Device Key, as listed in Section 2 or 6. Blacken the circle (choose only one) that best describes the disposition of the device and complete the rest of the section as appropriate.

Section 5 - Certification and Signature. The responsible individual must certify, sign, and date Section 5.

Section 6 - Devices Not Subject to Registration. This list contains information about devices that NRC records indicate are in your possession, but **are not subject to registration**. If you no longer have one or more of the listed devices, you are required to make a transfer report to NRC in accordance with 10 CFR 31.5(c)(8) or (9), as applicable. You may use Section 4 for this purpose. This section does not list any static eliminators containing polonium-210 (Po-210), or luminous exit signs containing tritium (H-3). These devices are not subject to registration, and are not included in this section in an effort to reduce the length of this form.

RETURN THE COMPLETED FORM IN THE ENCLOSED ENVELOPE WITH PROPER POSTAGE.

GL-705439-9
02/08/2007
NRC FORM 664
02 - 2004
10 CFR 31.5

U.S. NUCLEAR REGULATORY COMMISSION

GENERAL LICENSEE REGISTRATION

APPROVED BY OMB: NO. 3150-0198 EXPIRES: 02/28/2007

Estimated burden per response to comply with this mandatory collection request: 20 minutes. NRC will use this information to track general licensees and their devices to ensure a higher level of device accountability. 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 to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0000). 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.

Complete all six sections of this registration form. If any of the preprinted information is incorrect, provide the changes in the applicable boxes. USE CAPITAL LETTERS.

General License Registration Number
GL-705439-9

SECTION 1 - GENERAL LICENSEE INFORMATION

Enter the company name and the street address/physical location of use for your device(s). For portable devices, specify the primary storage location. Do not use a P.O. Box address.

Company Name: METRO ST LOUIS SEWER

Department: BISSELL POINT TREATMENT

Address Line 1: 10 EAST GRAND AVENUE

Address Line 2:

City: SAINT LOUIS

State: MO Zip Code: 63147 - 2913 -

For NRC Use Only
(Do not write here)

Category:

Packet Receipt Date (MMDDYYYY):

Accession Number:

SECTION 1 - GENERAL LICENSEE INFORMATION (Continued)

Enter the name, telelphone number and title of the person who is the responsible individual for the device(s).

Last Name: COPE JR. OR

First Name: EDWIN

Middle Initial: R

Telephone: (314) 436-8749

Extension:

Title: OPERATIONS DIV MANAGER

Enter the mailing address where correspondence regarding your device(s) should be sent. This address should be specific to the use or storage location of your device(s).

Department: BISSELL POINT TREATMENT

Address Line 1: 10 EAST GRAND AVENUE

Address Line 2:

City: SAINT LOUIS

State: MO

Zip Code: 63147 - 2913

OK

GL-705439-9
02/08/2007

SECTION 2 - DEVICES SUBJECT TO REGISTRATION

Our records indicate that you have these devices. Please update the information as necessary.

NRC Device Key **663341** **(Internal Control Number)**

Distributor/Distributed By: TN TECHNOLOGIES, INC.

Distributor License Number: L01105

Manufacturer Name: TN TECHNOLOGIES, INC.

Device Model (Not Source Model): 5201

Device Serial Number: B1867

Transfer Date (Receipt Date): 05/15/1992

MM DD YYYY

☐ **Not in possession of device (Also complete Section 4.)**

	Isotope (e.g. AM241)	Activity (e.g. 100)	Unit (e.g. mCi)
1	CS137	100.000000000	mCi
2			
3			
4			
5			
6			

GL-705439-9

02/08/2007

SECTION 2 - DEVICES SUBJECT TO REGISTRATION

Our records indicate that you have these devices. Please update the information as necessary.

NRC Device Key **663342** **(Internal Control Number)**

Distributor/Distributed By: TN TECHNOLOGIES, INC.

Distributor License Number: L01105

Manufacturer Name: TN TECHNOLOGIES, INC.

Device Model (Not Source Model): 5201

Device Serial Number: B1868

Transfer Date (Receipt Date): 05/15/1992

MM DD YYYY

☐ **Not in possession of device (Also complete Section 4.)**

	Isotope (e.g. AM241)	Activity (e.g. 100)	Unit (e.g. mCi)
1	CS137	100.000000000	mCi
2			
3			
4			
5			
6			

GL-705439-9

02/08/2007

SECTION 2 - DEVICES SUBJECT TO REGISTRATION

Our records indicate that you have these devices. Please update the information as necessary.

NRC Device Key **349410** **(Internal Control Number)**

Distributor/Distributed By: TN TECHNOLOGIES, INC.

Distributor License Number: L01105

Manufacturer Name: TN TECHNOLOGIES, INC.

Device Model (Not Source Model): 5203

Device Serial Number: B215

Transfer Date (Receipt Date): 09/25/2002

11 15 1987

MM DD YYYY

☐ **Not in possession of device (Also complete Section 4.)**

	Isotope (e.g. AM241)	Activity (e.g. 100)	Unit (e.g. mCi)
1	CS137	2000.000000000	mCi
2			
3			
4			
5			
6			

GL-705439-9
02/08/2007

SECTION 3 - ADDITIONAL DEVICES SUBJECT TO REGISTRATION

Provide information about other devices you have that are subject to registration. Do not report specifically licensed devices.

Manufacturer Name

Initial Transferor Name

Initial Transferor License Number (if known)

Device Model Number (Not Source Model)

Device Serial Number

How acquired and date (e.g., from a distributor/manufacturer, other licensee, other source)?

- ○ Manufacturer/Initial Transferor listed above
- ○ Other General Licensee
- ○ Other Source

Date Transferred: (Received) MM DD YYYY

	Isotope (e.g. AM241)	Activity (e.g. 100)	Unit (e.g. mCi)
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			

GL-705439-9
02/08/2007

SECTION 4 - NOT IN POSSESSION OF DEVICE

Provide information about devices listed in Section 2 or 6, but no longer in your possession.

Part 1

NRC Device Key:
(from Section 2 or 6)

Transfer Date:
MM DD YYYY

Location of the Device:

- ○ Whereabouts Unknown (complete Part 1 only)
- ○ Never Possessed the Device (complete Part 1 only)
- ○ Returned to Manufacturer (complete Part 1 only)
- ○ Transferred to another general licensee (complete Parts 2 and 3)
- ○ Transferred to a Specific Licensee (Not the manufacturer) (complete Part 2)

Part 2 License Number of Recipient (if transferred to a specific licensee):

Company Name:

Department:

Address Line 1:

Address Line 2:

City:

State: Zip Code: -

Part 3 **Enter the name of the individual responsible for this device:**

Last Name:

First Name:

Middle Initial:

Telephone Number: Extension:

Title:

SECTION 5 - CERTIFICATION

I hereby certify that:

A. All information contained in this registration is true and complete to the best of my knowledge and belief.

B. A physical inventory of the devices subject to registration has been completed, and the device information on this form has been checked against the device labeling.

C. I am aware of the requirements of the general license, provided in 10 CFR 31.5.
(Copies of applicable regulations may be viewed at the NRC website at:
http://www.nrc.gov/reading-rm/doc-collections/cfr)

SIGNATURE - RESPONSIBLE INDIVIDUAL (Listed in Section 1) DATE

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

SECTION 6 - DEVICES NOT SUBJECT TO REGISTRATION

NRC Device Key: 712544 Manufacturer License No: 07-28762-02G

Manufacturer Name: AGILENT TECHNOLOGIES, INC.

Model Number: G153369576 Serial #: K2751 Transfer Date: 12/09/2003

Isotope: NI63 Activity: 15.000000000 Unit: mCi

JOB PLAN NUMBER: BT-3346
JOB PLAN DESCRIPTION: BT I/E YR NUCLEAR METER LEAK CHECK REG.

SUPERVISOR: 02375
CREW.....:
LEAD CRAFT: C7736

INTERRUPTABLE[?]....: N
DOWNTIME REQUIRED[?]:
EST. DURATION: 1.00

JOB PLAN OPERATIONS

STEP	DESCRIPTION	DURATION
10	FOLLOW ALL KIT INSTRUCTIONS	0
15	BRING TOOLS TO JOBSITE	0
20	OPEN AREA TO BE WIPED	0
30	PERFORM WIPE AND SECURE WIPE IN CONTAINER	0
40	SHUTTER AND CLOSE METER	0
50	DELIVER SAMPLE TO SUPERVISOR FOR DELIVERY TO LAB	0
60	PAPERWORK	0

JOB PLAN MATERIALS

STEP	STK#	DESCRIPTION	QUANTITY
0	14589	KIT, TEST , NUCLEAR LEAK	1.00

JOB PLAN CRAFTS/LABOR

STEP	CRAFT	QUANTITY	DURATION
0	C7736	1	1

JOB PLAN TOOLS

STEP	TOOLNUM	DESCRIPTION	QUANTITY

Job Plans List

4/3/2007

Job Plan	Description
BT-3346	BT I/E YR NUCLEAR METER LEAK CHECK REG.
LT-3008	NIUXXXXXXXXSEMIANNUAL CALIBRATION, NUCLEAR
LT-3709	LT 6MON I/E REG NUCLEAR DENSITY METERS
LT-3717	LT 3YR I/E REG NUCLEAR DENSITY METERS

Job Plans Selected: 4

PM	BT-3346	BT I/E 3Y DENSITY METER LEAK CHECK .REG.	Master PM? N
Location			
Equipment	E4716	PRIMARY INFLUENT TUNNEL MAIN SLUDGE LINE NUCLEAR DENSITY METER	
Route		Primary Element B215	

Details

Next Job Plan	BT-3346	BT I/E YR NUCLEAR METER LEAK CHECK REG.			
Supervisor	02375	Work Order Status	APPR	Storeroom	BT-STORES
Crew		WO Priority	4	Lead Time Active?	Y
GL Account	1010600220	Work Type	PM	Lead Time (Days)	0
Interruptible?		Regulatory?	Y	Authorizer	

Source

Master PM		
Override Master PM Updates?	N	

PM	BT-3348	BT I/E 3Y DENSITY METER LEAK CHECK .REG.	Master PM? N
Location			
Equipment	E4692	THK BLDG FL2 THICKENED SLUDGE NUCLEAR DENSITY METER #2	
Route		Primary Element B1867	

Details

Next Job Plan	BT-3346	BT I/E YR NUCLEAR METER LEAK CHECK REG.			
Supervisor	02375	Work Order Status	APPR	Storeroom	BT-STORES
Crew		WO Priority	4	Lead Time Active?	Y
GL Account	1010600220	Work Type	PM	Lead Time (Days)	0
Interruptible?		Regulatory?	Y	Authorizer	

Source

Master PM		
Override Master PM Updates?	N	

PM	BT-3347	BT I/E 3Y DENSITY METER LEAK CHECK .REG.	Master PM? N

Location		
Equipment	E4690	THK BLDG THICKENED SLUDGE NUCLEAR DENSITY METER #1
Route		Primary Element B1868

Details

Next Job Plan	BT-3346	BT I/E YR NUCLEAR METER LEAK CHECK REG.			
Supervisor	02375	Work Order Status	APPR	Storeroom	BT-STORES
Crew		WO Priority	4	Lead Time Active?	Y
GL Account	1010600220	Work Type	PM	Lead Time (Days)	0
Interruptible?		Regulatory?	Y	Authorizer	

Source

Master PM		
Override Master PM Updates?	N	

UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

MSD

10/30/2006

METRO ST LOUIS SEWER
Attn: EDWIN COPE JR. OR
BISSELL POINT TREATMENT
10 EAST GRAND AVENUE

SAINT LOUIS, MO 63147-2913

SUBJECT: ACKNOWLEDGMENT LETTER(REFERENCE NO.: GLTS-A-705439)

We have received your response to the registration package for GL-705439-7

We have processed the application and have registered your devices. As a reminder, you are responsible to notify the NRC of any device transfers (must file report within 30 days of the transfer) and changes in address.

For additional requirements that you are subject to as a General Licensee, please refer to the Code of Federal Regulations (CFR), 10 CFR 31.5.

If you have any questions regarding your submittal or your responsibilities as a General Licensee call (301) 415-7231 or visit *www.nrc.gov/materials/medical.html.*

11/8/06
XC: Buffy Santel

BT_OTHER_2006_10_PMT_NRC GL

GL-705439-7
06/21/2006
NRC FORM 664
02 - 2004
10 CFR 31.5

MSD

U.S. NUCLEAR REGULATORY COMMISSION

GENERAL LICENSEE REGISTRATION

APPROVED BY OMB: NO. 3150-0198 **EXPIRES: 02/28/2007**

Estimated burden per response to comply with this mandatory collection request: 20 minutes. NRC will use this information to track general licensees and their devices to ensure a higher level of device accountability. 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 to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0000). 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.

Complete all six sections of this registration form. If any of the preprinted information is incorrect, provide the changes in the applicable boxes. USE CAPITAL LETTERS.

General License Registration Number GL-705439-7

SECTION 1 - GENERAL LICENSEE INFORMATION

Enter the company name and the street address/physical location of use for your device(s). For portable devices, specify the primary storage location. Do not use a P.O. Box address.

Company Name: METRO ST LOUIS SEWER

Department: BISSELL POINT TREATMENT

Address Line 1: 10 EAST GRAND AVENUE

Address Line 2:

City: SAINT LOUIS

State: MO

Zip Code: 63147 - - 2913

For NRC Use Only
(Do not write here)

Category:

Packet Receipt Date (MMDDYYYY):

Accession Number:

GL-705439-7
06/21/2006

SECTION 1 - GENERAL LICENSEE INFORMATION (Continued)

Enter the name, telelphone number and title of the person who is the responsible individual for the device(s).

Last Name: COPE JR. OR

First Name: EDWIN

Middle Initial: R

Telephone: (314) 436-8749

Extension:

Title: OPERATIONS DIV MANAGER

Enter the mailing address where correspondence regarding your device(s) should be sent. This address should be specific to the use or storage location of your device(s).

Department: BISSELL POINT TREATMENT

Address Line 1: 10 EAST GRAND AVENUE

Address Line 2:

City: SAINT LOUIS

State: MO

Zip Code: 63147 - 2913

GL-705439-7

06/21/2006

SECTION 2 - DEVICES SUBJECT TO REGISTRATION

Our records indicate that you have these devices. Please update the information as necessary.

NRC Device Key **663341** **(Internal Control Number)**

Distributor/Distributed By: TN TECHNOLOGIES, INC.

Distributor License Number: L01105

Manufacturer Name: TN TECHNOLOGIES, INC.

Device Model (Not Source Model): 5201

Device Serial Number: B1867

Transfer Date (Receipt Date): 05/15/1992

MM DD YYYY

☐ **Not in possession of device (Also complete Section 4.)**

	Isotope (e.g. AM241)	Activity (e.g. 100)	Unit (e.g. mCi)
1	CS137	200.000000000	mCi
		100	MCI
2			
3			
4			
5			
6			

GL-705439-7

06/21/2006

SECTION 2 - DEVICES SUBJECT TO REGISTRATION

Our records indicate that you have these devices. Please update the information as necessary.

NRC Device Key **663342** **(Internal Control Number)**

Distributor/Distributed By: TN TECHNOLOGIES, INC.

Distributor License Number: L01105

Manufacturer Name: TN TECHNOLOGIES, INC.

Device Model (Not Source Model): 5201

Device Serial Number: B1868

Transfer Date (Receipt Date): 05/15/1992

MM DD YYYY

☐ **Not in possession of device (Also complete Section 4.)**

	Isotope (e.g. AM241)	Activity (e.g. 100)	Unit (e.g. mCi)
1	CS137	200.000000000	mCi
		100	MCI
2			
3			
4			
5			
6			

GL-705439-7

06/21/2006

SECTION 2 - DEVICES SUBJECT TO REGISTRATION

Our records indicate that you have these devices. Please update the information as necessary.

NRC Device Key **349410** **(Internal Control Number)**

Distributor/Distributed By: TN TECHNOLOGIES, INC.

Distributor License Number: L01105

Manufacturer Name: TN TECHNOLOGIES, INC.

Device Model (Not Source Model): 5203

Device Serial Number: B215

Transfer Date (Receipt Date): 09/25/2002

MM DD YYYY

☐ **Not in possession of device (Also complete Section 4.)**

	Isotope (e.g. AM241)	Activity (e.g. 100)	Unit (e.g. mCi)
1	CS137	2000.000000000	Ci
		2000	MCI
2			
3			
4			
5			
6			

GL-705439-7
06/21/2006

SECTION 3 - ADDITIONAL DEVICES SUBJECT TO REGISTRATION

Provide information about other devices you have that are subject to registration. Do not report specifically licensed devices.

Manufacturer Name

Initial Transferor Name

Initial Transferor License Number (if known)

Device Model Number (Not Source Model)

Device Serial Number

How acquired and date (e.g., from a distributor/manufacturer, other licensee, other source)?

- ○ Manufacturer/Initial Transferor listed above
- ○ Other General Licensee
- ○ Other Source

Date Transferred: (Received) MM DD YYYY

	Isotope (e.g. AM241)	Activity (e.g. 100)	Unit (e.g. mCi)
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			

GL-705439-7
06/21/2006

SECTION 4 - NOT IN POSSESSION OF DEVICE

Provide information about devices listed in Section 2 or 6, but no longer in your possession.

Part 1

NRC Device Key:
(from Section 2 or 6)

Transfer Date:
MM DD YYYY

Location of the Device:

- ○ Whereabouts Unknown (complete Part 1 only)
- ○ Never Possessed the Device (complete Part 1 only)
- ○ Returned to Manufacturer (complete Part 1 only)
- ○ Transferred to another general licensee (complete Parts 2 and 3
- ○ Transferred to a Specific Licensee (Not the manufacturer) (complete Part 2)

Part 2 License Number of Recipient (if transferred to a specific licensee):

Company Name:

Department:

Address Line 1:

Address Line 2:

City:

State: Zip Code: -

Part 3 **Enter the name of the individual responsible for this device:**

Last Name:

First Name:

Middle Initial:

Telephone Number: Extension:

Title:

SECTION 5 - CERTIFICATION

I hereby certify that:

A. All information contained in this registration is true and complete to the best of my knowledge and belief.

B. A physical inventory of the devices subject to registration has been completed, and the device information on this form has been checked against the device labeling.

C. I am aware of the requirements of the general license, provided in 10 CFR 31.5.
(Copies of applicable regulations may be viewed at the NRC website at:
http://www.nrc.gov/reading-rm/doc-collections/cfr)

Edwin R Lopez Jr. 7/14/06

SIGNATURE - RESPONSIBLE INDIVIDUAL (Listed in Section 1) DATE

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

GL-705439-7
06/21/2006

SECTION 6 - DEVICES NOT SUBJECT TO REGISTRATION

NRC Device Key: 712544 Manufacturer License No: 07-28762-02G

Manufacturer Name: AGILENT TECHNOLOGIES, INC.

Model Number: G153369576 Serial #: K2751 Transfer Date: 12/09/2003

Isotope: NI63 Activity: 15.000000000 Unit: mCi

MSD

THE METROPOLITAN ST. LOUIS SEWER DISTRICT
2350 MARKET STREET
ST. LOUIS, MISSOURI 63103-2555

CHECK NUMBER

VOUCHER NUMBER	INVOICE NUMBER	VOUCHER DATE	AMOUNTS
AV000083674	GL-705439-7	060714	620.00
		TOTAL	620.00

WARNING - THIS CHECK HAS THE HIDDEN "VOID" FEATURE

Bank of America

THE METROPOLITAN ST. LOUIS SEWER DISTRICT
2350 MARKET STREET
ST. LOUIS, MISSOURI 63103-2555

CHECK NUMBER 505538

4-3
810

DATE 07-17-06

PAY EXACTLY $*******620 DOLLARS AND 00 CENTS $*******620.00

VOID if not cashed within 90 days

WARRANT APPROVAL

PAY TO THE ORDER OF
U S NUCLEAR REGULATORY COMMI
C/O US BANK (ATTN ACCT REC)
P.O. BOX 74514
ST. LOUIS MO 63195-4514

Karl J. Tzymanski

(Two manual signatures required for amounts over $4,999.99)

(Two manual signatures required for amounts over $4,999.99)

⑈505538⑈ ⑆081000032⑆ 003484347548⑈

OFFICIAL BUSINESS

CERTIFIED MAIL™

7005 2570 0001 3586 8287

704974 U.S. POSTAGE

705439

METRO ST LOUIS SEWER
EDWIN COPE JR. OR

OPERATIONS DIV MANAGER
BISSELL POINT TREATMENT
10 EAST GRAND AVENUE
SAINT LOUIS, MO 63147

GL-705439-7
06/21/2006
NRC FORM 664
02 - 2004
10 CFR 31.5

U.S. NUCLEAR REGULATORY COMMISSION

GENERAL LICENSEE REGISTRATION

APPROVED BY OMB: NO. 3150-0198 **EXPIRES: 02/28/2007**

Estimated burden per response to comply with this mandatory collection request: 20 minutes. NRC will use this information to track general licensees and their devices to ensure a higher level of device accountability. 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 to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0000). 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.

Complete all six sections of this registration form. If any of the preprinted information is incorrect, provide the changes in the applicable boxes. USE CAPITAL LETTERS.

General License Registration Number GL-705439-7

SECTION 1 - GENERAL LICENSEE INFORMATION

Enter the company name and the street address/physical location of use for your device(s). For portable devices, specify the primary storage location. Do not use a P.O. Box address.

Company Name: METRO ST LOUIS SEWER

Department: BISSELL POINT TREATMENT

Address Line 1: 10 EAST GRAND AVENUE

Address Line 2:

City: SAINT LOUIS

State: MO Zip Code: 63147 -

For NRC Use Only
(Do not write here)
Category:
Packet Receipt Date (MMDDYYYY):
Accession Number:

SECTION 1 - GENERAL LICENSEE INFORMATION (Continued)

Enter the name, telelphone number and title of the person who is the responsible individual for the device(s).

Last Name: COPE JR. OR

First Name: EDWIN

Middle Initial: R

Telephone: (314) 436-8749

Extension:

Title: OPERATIONS DIV MANAGER

Enter the mailing address where correspondence regarding your device(s) should be sent. This address should be specific to the use or storage location of your device(s).

Department: BISSELL POINT TREATMENT

Address Line 1: 10 EAST GRAND AVENUE

Address Line 2:

City: SAINT LOUIS

State: MO

Zip Code: 63147 -

GL-705439-7
06/21/2006

SECTION 2 - DEVICES SUBJECT TO REGISTRATION

Our records indicate that you have these devices. Please update the information as necessary.

NRC Device Key **663341** **(Internal Control Number)**

Distributor/Distributed By: TN TECHNOLOGIES, INC.

Distributor License Number: L01105

Manufacturer Name: TN TECHNOLOGIES, INC.

Device Model (Not Source Model): 5201

Device Serial Number: B1867

Transfer Date (Receipt Date): 05/15/1992

MM DD YYYY

☐ **Not in possession of device (Also complete Section 4.)**

	Isotope (e.g. AM241)	Activity (e.g. 100)	Unit (e.g. mCi)
1	CS137	200.000000000	mCi
2			
3			
4			
5			
6			

GL-705439-7

06/21/2006

SECTION 2 - DEVICES SUBJECT TO REGISTRATION

Our records indicate that you have these devices. Please update the information as necessary.

NRC Device Key **663342** **(Internal Control Number)**

Distributor/Distributed By: TN TECHNOLOGIES, INC.

Distributor License Number: L01105

Manufacturer Name: TN TECHNOLOGIES, INC.

Device Model (Not Source Model): 5201

Device Serial Number: B1868

Transfer Date (Receipt Date): 05/15/1992

MM DD YYYY

☐ **Not in possession of device (Also complete Section 4.)**

	Isotope (e.g. AM241)	Activity (e.g. 100)	Unit (e.g. mCi)
1	CS137	200.000000000	mCi
2			
3			
4			
5			
6			

GL-705439-7
06/21/2006

SECTION 2 - DEVICES SUBJECT TO REGISTRATION

Our records indicate that you have these devices. Please update the information as necessary.

NRC Device Key **349410** **(Internal Control Number)**

Distributor/Distributed By: TN TECHNOLOGIES, INC.

Distributor License Number: L01105

Manufacturer Name: TN TECHNOLOGIES, INC.

Device Model (Not Source Model): 5203

Device Serial Number: B215

Transfer Date (Receipt Date): 09/25/2002

MM DD YYYY

☐ **Not in possession of device (Also complete Section 4.)**

	Isotope (e.g. AM241)	Activity (e.g. 100)	Unit (e.g. mCi)
1	CS137	2000.000000000	Ci
2			
3			
4			
5			
6			

GL-705439-7
06/21/2006

SECTION 3 - ADDITIONAL DEVICES SUBJECT TO REGISTRATION

Provide information about other devices you have that are subject to registration. Do not report specifically licensed devices.

Manufacturer Name

Initial Transferor Name

Initial Transferor License Number (if known)

Device Model Number (Not Source Model)

Device Serial Number

How acquired and date (e.g., from a distributor/manufacturer, other licensee, other source)?

- ○ Manufacturer/Initial Transferor listed above
- ○ Other General Licensee
- ○ Other Source

Date Transferred: (Received) MM DD YYYY

	Isotope (e.g. AM241)	Activity (e.g. 100)	Unit (e.g. mCi)
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			

GL-705439-7
06/21/2006

SECTION 4 - NOT IN POSSESSION OF DEVICE

Provide information about devices listed in Section 2 or 6, but no longer in your possession.

Part 1

NRC Device Key:
(from Section 2 or 6)

Transfer Date:
MM DD YYYY

Location of the Device:

- ○ Whereabouts Unknown (complete Part 1 only)
- ○ Never Possessed the Device (complete Part 1 only)
- ○ Returned to Manufacturer (complete Part 1 only)
- ○ Transferred to another general licensee (complete Parts 2 and 3)
- ○ Transferred to a Specific Licensee (Not the manufacturer) (complete Part 2)

Part 2 License Number of Recipient (if transferred to a specific licensee):

Company Name:

Department:

Address Line 1:

Address Line 2:

City:

State: Zip Code: -

Part 3 **Enter the name of the individual responsible for this device:**

Last Name:

First Name:

Middle Initial:

Telephone Number: Extension:

Title:

SECTION 5 - CERTIFICATION

I hereby certify that:

A. All information contained in this registration is true and complete to the best of my knowledge and belief.

B. A physical inventory of the devices subject to registration has been completed, and the device information on this form has been checked against the device labeling.

C. I am aware of the requirements of the general license, provided in 10 CFR 31.5.
(Copies of applicable regulations may be viewed at the NRC website at:
http://www.nrc.gov/reading-rm/doc-collections/cfr)

SIGNATURE - RESPONSIBLE INDIVIDUAL (Listed in Section 1) DATE

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

GL-705439-7
06/21/2006

SECTION 6 - DEVICES NOT SUBJECT TO REGISTRATION

NRC Device Key: 712544 Manufacturer License No: 07-28762-02G

Manufacturer Name: AGILENT TECHNOLOGIES, INC.

Model Number: G153369576 Serial #: K2751 Transfer Date: 12/09/2003

Isotope: NI63 Activity: 15.000000000 Unit: mCi

GL-705439-7
06/21/2006
NRC FORM 664
02 - 2004
10 CFR 31.5

U.S. NUCLEAR REGULATORY COMMISSION

GENERAL LICENSEE REGISTRATION

APPROVED BY OMB: NO. 3150-0198 **EXPIRES: 02/28/2007**

Estimated burden per response to comply with this mandatory collection request: 20 minutes. NRC will use this information to track general licensees and their devices to ensure a higher level of device accountability. 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 to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0000). 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.

Complete all six sections of this registration form. If any of the preprinted information is incorrect, provide the changes in the applicable boxes. USE CAPITAL LETTERS.

General License Registration Number GL-705439-7

SECTION 1 - GENERAL LICENSEE INFORMATION

Enter the company name and the street address/physical location of use for your device(s). For portable devices, specify the primary storage location. Do not use a P.O. Box address.

Company Name: METRO ST LOUIS SEWER

Department: BISSELL POINT TREATMENT

Address Line 1: 10 EAST GRAND AVENUE

Address Line 2:

City: SAINT LOUIS

State: MO

Zip Code: 63147 - - 2913

For NRC Use Only
(Do not write here)

Category:

Packet Receipt Date (MMDDYYYY):

Accession Number:

SECTION 1 - GENERAL LICENSEE INFORMATION (Continued)

Enter the name, telelphone number and title of the person who is the responsible individual for the device(s).

Last Name: COPE JR. OR

First Name: EDWIN

Middle Initial: R

Telephone: (314) 436-8749

Extension:

Title: OPERATIONS DIV MANAGER

Enter the mailing address where correspondence regarding your device(s) should be sent. This address should be specific to the use or storage location of your device(s).

Department: BISSELL POINT TREATMENT

Address Line 1: 10 EAST GRAND AVENUE

Address Line 2:

City: SAINT LOUIS

State: MO

Zip Code: 63147 - 2913

GL-705439-7
06/21/2006

SECTION 2 - DEVICES SUBJECT TO REGISTRATION

Our records indicate that you have these devices. Please update the information as necessary.

NRC Device Key **663341** **(Internal Control Number)**

Distributor/Distributed By: TN TECHNOLOGIES, INC.

Distributor License Number: L01105

Manufacturer Name: TN TECHNOLOGIES, INC.

Device Model (Not Source Model): 5201

Device Serial Number: B1867

Transfer Date (Receipt Date): 05/15/1992

MM DD YYYY

☐ **Not in possession of device (Also complete Section 4.)**

	Isotope (e.g. AM241)	Activity (e.g. 100)	Unit (e.g. mCi)
1	CS137	200.000000000	mCi
		100	MCI
2			
3			
4			
5			
6			

GL-705439-7
06/21/2006

SECTION 2 - DEVICES SUBJECT TO REGISTRATION

Our records indicate that you have these devices. Please update the information as necessary.

NRC Device Key **663342** **(Internal Control Number)**

Distributor/Distributed By: TN TECHNOLOGIES, INC.

Distributor License Number: L01105

Manufacturer Name: TN TECHNOLOGIES, INC.

Device Model (Not Source Model): 5201

Device Serial Number: B1868

Transfer Date (Receipt Date): 05/15/1992

MM DD YYYY

☐ **Not in possession of device (Also complete Section 4.)**

	Isotope (e.g. AM241)	Activity (e.g. 100)	Unit (e.g. mCi)
1	CS137	200.000000000	mCi
		100	MCI
2			
3			
4			
5			
6			

GL-705439-7
06/21/2006

SECTION 2 - DEVICES SUBJECT TO REGISTRATION

Our records indicate that you have these devices. Please update the information as necessary.

NRC Device Key **349410** **(Internal Control Number)**

Distributor/Distributed By: TN TECHNOLOGIES, INC.

Distributor License Number: L01105

Manufacturer Name: TN TECHNOLOGIES, INC.

Device Model (Not Source Model): 5203

Device Serial Number: B215

~~Transfer Date~~ (Receipt Date): 09/25/2002

11 15 1987

MM DD YYYY

☐ **Not in possession of device (Also complete Section 4.)**

	Isotope (e.g. AM241)	Activity (e.g. 100)	Unit (e.g. mCi)
1	CS137	2000.000000000	Ci
		2000	MCI
2			
3			
4			
5			
6			

MSD

NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

June 21, 2006

TO: All New, Current, or Previous Users of Devices Subject to General License Registration

PURPOSE: To Track and Account for Certain Generally Licensed Devices For Public Protection

SUBJECT: ANNUAL REGISTRATION OF GENERALLY LICENSED DEVICES

The U.S. Nuclear Regulatory Commission (NRC) requires annual registration of certain devices that are possessed under the general license issued in Section 31.5 of Title 10 U.S. Code of Federal Regulations (10 CFR 31.5). Devices subject to registration include those containing the radioactive material and activity listed in Table 1. You are receiving this notice because NRC records indicate that you have one or more such devices. Information about the general license registration program is available on the Internet at http://www.nrc.gov/materials/miau/miau-reg-initiatives/gen-license.html

Mail the registration fee (check or money order payable to the USNRC) or credit card authorization and a copy of completed SECTION 1, PAGE 1 of 2, in the small enclosed envelope to:

U. S. Bank
Accounts Receivable Team
U. S. Nuclear Regulatory Commission
P. O. Box 74514
St. Louis, MO 63195-4514

IMPORTANT

YOUR PAYMENT WILL NOT BE CREDITED TO YOUR ACCOUNT UNLESS YOU PUT YOUR GENERAL LICENSE NUMBER (GL-XXXXX-X) ON THE CHECK OR OTHER PAYMENT METHOD. THE GL NUMBER CAN BE FOUND ON SECTION 1, PAGE 1 of 2, IN THE UPPER LEFT CORNER.

Note that under 10 CFR 31.5(c)(11), the attached General Licensee Registration Package must be completed, signed, and returned to the NRC within 30 days from the date of this letter. READ ALL OF THE INSTRUCTIONS PRIOR TO COMPLETING THE PACKAGE. Mail the completed package in the large enclosed envelope to:

U.S. Nuclear Regulatory Commission
ATTN: Accounts Receivable Team
OCFO, Mail Stop T-9 E10
11555 Rockville Pike
Rockville, MD 20852-2738

Registration Fee: Commission regulations (10 CFR 170.31, Category 3Q) require that you submit a registration fee with each registration on an annual basis. The registration fee is subject to change yearly, and you are required to submit the fee that is in effect as of the date of this letter. If you wish to pay by credit card, you need to complete NRC Form-629, Authorization for Payment by Credit Card. You can obtain Form-629 by accessing the NRC website at http://www.nrc.gov/who-we-are/license-fees.html, select "Current Payment Options" and then select "Payment by Credit Card" (NRC Form-629). If you are unable to access this information on our website, or if you have any questions about the fee or payment options, call 301-415-7554.

The REGISTRATION FEE is $620.00

Attachment: NRC Form 664 -- General Licensee Registration and Instructions

INSTRUCTIONS FOR COMPLETING NRC FORM 664
"GENERAL LICENSEE REGISTRATION"

Review all six sections of this registration form. If any information is incorrect or missing, make corrections in the applicable boxes. If you have more devices than space provided in the form, **copy the form before starting, as needed.** Use black ink and print in **CAPITAL LETTERS**. Start information in the first box provided. If the information contains a number with a dash (-) or a decimal point (.), include the dash or decimal point as an individual character. Use the "ø" character to represent the number 0 (zero).

Verify information about the devices by reviewing the label on the outside of the device. **For safety reasons, DO NOT TRY TO TAKE APART any device to verify this information.** If you are uncertain how to identify the device's label, contact the device's manufacturer or an authorized service agent for this information. Also, contact the manufacturer for any additional information about NRC requirements. You may also review 10 CFR 31.5 and other applicable regulations on the NRC web site at http://www.nrc.gov/reading-rm/doc-collections/cfr/, or review specific information about the general licensee project at http://www.nrc.gov/materials/miau/miau-reg-initiatives/gen-license.html

Note to specific licensees: If you believe the device(s) listed on the registration form are possessed under your specific license, then verify the device label does not state the device is subject to a general license. If the labels indicate the device is subject to a general license, then complete the registration form as instructed below. If not, complete the registration as instructed below, however, in Section 2, follow the instructions for "not in possession of device" and complete one Section 4 page per device transferred to your specific license.

Section 1 - General Licensee Information. Provide the requested information about you, the general licensee.

On Page 1, provide the street address/location where your device(s) are used. For portable devices, provide the storage location. P.O. Box addresses are not allowed.

Do not write in the box marked **For NRC Use Only**.

On Page 2, provide the name, telephone number, and title of the individual responsible for your device(s), and a mailing address where correspondence about your device(s) can be sent. The mailing address should be specific to the physical location where the devices are used and/or stored (P.O. boxes may be used if this is the only available mailing address). The individual indicated in this section as responsible for your device(s) must also verify and sign the form in Section 5.

Section 2 - Devices Subject to Registration. This section lists each device subject to registration and in your possession, according to NRC records. Devices subject to registration include those containing at least one of the radionuclides listed in Table 1, with the activity indicated, at the time of manufacture.

Table 1. Criteria for Registration

Radionuclide	Activity greater than or equal to:
Strontium-90	3.7 megabecquerel (0.1 millicurie)
Cobalt-60, Curium-244, Americium-241, and Californium-252	37 megabecquerel (1 millicurie)
Cesium-137	370 megabecquerel (10 millicurie)

Use the codes from Table 2 when correcting isotope information for devices in this section. If you do not possess a device on this list, blacken the "not in possession of device" circle, and provide the relevant information in Section 4. Note that each device is assigned a unique six-digit number called the NRC Device Key.

Table 2. Isotope Codes for Sections 2 and 3

Radionuclide	Code for form	Radionuclide	Code for form
Americium-241	AM241	Curium-244	CM244
Californium-252	CF252	Strontium-90	SR90
Cesium-137	CS137		
Cobalt-60	CO60		

Section 3 - Additional Devices. If you have other generally licensed devices (not listed in Section 2) that meet the conditions for registration listed in Table 1, provide information about each additional device. **Before starting, copy this section as needed for your additional devices.** Also indicate how you acquired each device by blackening the proper circle.

When entering isotope and unit information for your device(s), use the codes listed in Table 2 of Section 2 for isotope information, and use the codes from Table 3 for unit information:

Table 3. Unit Codes for Section 3

Unit	Code for form	Unit	Code for form
picocurie	PCI	becquerel	BQ
nanocurie	NCI	kilobecquerel	KBQ
microcurie	UCI	megabecquerel	MBQ
millicurie	MCI	gigabecquerel	GBQ
curie	CI	terabecquerel	TBQ
pound	LB	microgram	UG
		milligram	MG
kilogram	KG	gram	G

Section 4 - Not in Possession of Device. Use this section to report any devices that are listed in Sections 2 or 6, but that you no longer possess. **Before starting, copy this section as needed for additional devices that are not in your possession.** Enter the NRC Device Key, as listed in Section 2 or 6. Blacken the circle (choose only one) that best describes the disposition of the device and complete the rest of the section as appropriate.

Section 5 - Certification and Signature. The responsible individual must certify, sign, and date Section 5.

Section 6 - Devices Not Subject to Registration. This list contains information about devices that NRC records indicate are in your possession, but **are not subject to registration**. If you no longer have one or more of the listed devices, you are required to make a transfer report to NRC in accordance with 10 CFR 31.5(c)(8) or (9), as applicable. You may use Section 4 for this purpose. This section does not list any static eliminators containing polonium-210 (Po-210), or luminous exit signs containing tritium (H-3). These devices are not subject to registration, and are not included in this section in an effort to reduce the length of this form.

RETURN THE COMPLETED FORM IN THE ENCLOSED ENVELOPE WITH PROPER POSTAGE.

MSD

Thermo
ELECTRON CORPORATION

July 18, 2006

Ches Poole
METROPOLITAN ST. LOUIS SEWER DIST.
Bissell Point Treatment Plant
10 E. Grand Avenue
St. Louis, MO 63147

Dear Ches Poole,

I am enclosing the results from your recent leak tests. Please keep these certificates in a permanent file for inspection by the regulatory agency.

Thank you for using Thermo Electron's leak test service. If we can be of further assistance, please call us at (800) 437-7979 or send email to leaktest@thermoMT.com.

Sincerely,

Angelica Guidry

Angelica R. Guidry
Services Support Specialist
Thermo Electron Corporation
1410 Gillingham Lane
Sugar Land, Texas 77478
Phone: 800-437-7979 or 713-272-5383
Fax: 713-272-2273
angelica.guidry@thermo.com

Thermo
ELECTRON CORPORATION

LEAK TEST CERTIFICATION

This is to certify that the product identified below was tested for removable contamination in accordance with Texas Radioactive Material License Number L03524, Condition 19.

Customer: 121800
METROPOLITAN ST. LOUIS SEWER DIST.
Bissell Point Treatment Plant
10 E. Grand Avenue
St. Louis, MO 63147

Device ID:

Product: TN

Model: 5203 Serial No B215

Isotope: Cs-137 Activity: 2000 mCi

Source Serial: MB-611

Location: Bissell Treatment- Influent Tunel

Test Type: Lab Counting

Result: ☐ Positive ☑ Negative < 2.5E-5 uCi

Analyzed on: July 18, 2006

This certificate should be maintained as a permanent record of the leak test of this product.

Michael Fontenot

Process Instruments 1410 Gillingham Lane Sugar Land, TX 77478 (713) 272-0404 (713) 272-2273 fax www.thermo.com

Thermo
ELECTRON CORPORATION

LEAK TEST CERTIFICATION

This is to certify that the product identified below was tested for removable contamination in accordance with Texas Radioactive Material License Number L03524, Condition 19.

Customer: 121800
METROPOLITAN ST. LOUIS SEWER DIST.
Bissell Point Treatment Plant
10 E. Grand Avenue
St. Louis, MO 63147

Device ID:

Product: TN

Model: 5201 Serial No B1867

Isotope: Cs-137 Activity: 100 mCi

Source Serial: GV-3368

Location: GBT THICKENER/SLUDGE PUMP FLOOR

Test Type: Lab Counting

Result: ☐ Positive ☑ Negative < 2.5E-5 uCi

Analyzed on: July 18, 2006

This certificate should be maintained as a permanent record of the leak test of this product.

Michael Fontenot

Process Instruments 1410 Gillingham Lane Sugar Land, TX 77478 (713) 272-0404 (713) 272-2273 fax www.thermo.com

Thermo
ELECTRON CORPORATION

LEAK TEST CERTIFICATION

This is to certify that the product identified below was tested for removable contamination in accordance with Texas Radioactive Material License Number L03524, Condition 19.

Customer: 121800
METROPOLITAN ST. LOUIS SEWER DIST.
Bissell Point Treatment Plant
10 E. Grand Avenue
St. Louis, MO 63147

Device ID:

Product: TN

Model: 5201 Serial No B1868

Isotope: Cs-137 Activity: 100 mCi

Source Serial: GV-4602

Location: GBT THICKENER/SLUDGE PUMP FLOOR

Test Type: Lab Counting

Result: ☐ Positive ☑ Negative < 2.5E-5 uCi

Analyzed on: July 18, 2006

This certificate should be maintained as a permanent record of the leak test of this product.

Michael Fontenot

Process Instruments 1410 Gillingham Lane Sugar Land, TX 77478 (713) 272-0404 (713) 272-2273 fax www.thermo.com

Thermo
ELECTRON CORPORATION

XC: Butty
Skinner
+ file -
Nuclear
Density
Meter

March 17, 2004

Jerry Fraley
ST. LOUIS METROPOLITAN SEWER PLANT
Bissell Point Treatment Plant
10 E. Grand Avenue
St. Louis, MO 63147

Dear Jerry Fraley,

I am enclosing the results from your recent leak tests. Please keep these certificates in a permanent file for inspection by the regulatory agency.

Thank you for using Thermo Electron's leak test service. If we can be of further assistance, please call us at 800-736-0801 or send email to leaktest@thermoMT.com.

Sincerely,

Martha Hernandez

Martha Hernandez

Process Instruments
Process Systems
2555 North IH-35
Round Rock, TX
78664
(512) 388-9100
(512) 388-9200 fax
www.thermo.com

Thermo
ELECTRON CORPORATION

LEAK TEST CERTIFICATION

This is to certify that the product identified below was tested for removable contamination in accordance with Texas Radioactive Material License Number L03524, Condition 19.

Customer: 121800
ST. LOUIS METROPOLITAN SEWER PLANT
Bissell Point Treatment Plant
10 E. Grand Avenue
St. Louis, MO 63147

Device ID:

Product: TN

Model: 5203 Serial No B215

Isotope: Cs-137 Activity: 2000 mCi

Source Serial: MB-611

Location: Bissell Treatment- Influent Tunel

Test Type: Lab Counting

Result: ☐ Positive ☑ Negative < 2.5E-5 uCi

Analyzed on: March 17, 2004

This certificate should be maintained as a permanent record of the leak test of this product.

Martha Hernandez

Martha Hernandez

Process Instruments
Process Systems
2555 North IH-35
Round Rock, TX
78664
(512) 388-9100
(512) 388-9200 fax
www.thermo.com

Thermo
ELECTRON CORPORATION

LEAK TEST CERTIFICATION

This is to certify that the product identified below was tested for removable contamination in accordance with Texas Radioactive Material License Number L03524, Condition 19.

Customer: 121800
ST. LOUIS METROPOLITAN SEWER PLANT
Bissell Point Treatment Plant
10 E. Grand Avenue
St. Louis, MO 63147

Device ID:

Product: TN

Model: 5201 Serial No B1868

Isotope: Cs-137 Activity: 100 mCi

Source Serial: GV-4602

Location: GBT THICKENER/SLUDGE PUMP FLOOR

Test Type: Lab Counting

Result: ☐ Positive ☑ Negative < 2.5E-5 uCi

Analyzed on: March 17, 2004

This certificate should be maintained as a permanent record of the leak test of this product.

Martha Hernandez

Martha Hernandez

Process Instruments
Process Systems
2555 North IH-35
Round Rock, TX
78664
(512) 388-9100
(512) 388-9200 fax
www.thermo.com

Thermo MeasureTech

2555 North IH-35
Round Rock, TX 78664

(800) 736-0801
Fax: (512) 388-9200
www.thermo.com

LEAK TEST CERTIFICATION

This is to certify that the product identified below was tested for removable contamination in accordance with Texas Radioactive Material License Number L03524, Condition 19 (Expiration: 12-31-2003).

Customer: 121800
ST. LOUIS METROPOLITAN SEWER PLANT
Bissell Point Treatment Plant
10 E. Grand Avenue
St. Louis, MO 63147

Product: TN

Model: 5201 Serial No.: B1867

Isotope: Cs-137 Activity: 100 mCi

Source Serial: GV-3368

Location: GBT THICKENER/SLUDGE PUMP FLOOR

Test Type: Lab Counting

Result: ☐ Positive ☑ Negative < 2.2E-4 uCi

Analyzed on: March 04, 2003

This certificate should be maintained as a permanent record of the leak test of this product.

Martha Hernandez

Martha Hernandez

Bryan Williams

From: Bryan Williams
Sent: Thursday, July 13, 2006 1:27 PM
To: Ed Cope; Doug Bilbruck; Darrell Brown
Cc: Bruce Litzsinger; Buffy Santel
Subject: RE: Radiation Devices

I made a telephone call to Thermo Electron Corporation in Round Rock Texas today and spoke to Angelica Guidry (800) 736-0801. Thermo is the company that has completed the analysis for the wipe tests on these devices in previous years. They have no record of receiving wipe test kits from us to analyze. If payment is not included with the test kits they do not perform the analysis.

Work orders 125496, 125497, and 125498 were issued on 10/11/05 to have the wipe tests completed. Works orders 125496 and 125497 are indicated as being completed by Kevin Smith on 5/9/06. Work order 125498 is still open. These test results are a regulatory requirement with potential monetary and criminal consequences if not completed on time.

The following needs to be completed to verify the work orders have been completed and document the test results:

1. Verify the test kits were used for completing the wipe tests as indicated on the Work order.
2. Verify what company the test kits were received from.
3. Document the issuance of a PO or other means of payment to accompany the wipe test kits sent to Thermo (?).
4. Track the shipment to Thermo (?) and verify the kits were received by Thermo (?).
5. Locate test results paperwork. Since Thermo does not show receipt of the kits, I doubt they would have issued test results.

I am not saying that this work was not completed; I just need to document the test results to show compliance with the Federal requirements and our permit. If we determine that the test kits have been lost, new work orders need to be issued immediately and the test kits sent for analysis.

Please call me with any questions about this issue.

Bryan L. Williams
Division of Environmental Compliance
Metropolitan St. Louis Sewer District
314.436.8703
314.436.8766 (Fax)

From: Ed Cope
Sent: Thursday, July 13, 2006 9:44 AM
To: Bryan Williams; Doug Bilbruck; Darrell Brown
Cc: Bruce Litzsinger
Subject: RE: Radiation Devices

Bryan, what you show is the latest I have in our plant files. Darrell, Doug - if we have done anything more recent, please forward the results for filing. Bryan, is anything more recent required?

From: Bryan Williams
Sent: Wednesday, July 12, 2006 2:27 PM
To: Doug Bilbruck
Cc: Ed Cope; Bruce Litzsinger
Subject: Radiation Devices

After speaking to Darrell Brown it appears that the devices at BT have been tested more recently than is indicated in the DEC files. The following is the last test results we have on file by device number:

E4690 March 2003

E4692 March 2004
E4716 March 2004

I need to get copies of all other more recent testing completed on these units. The regulatory requirement is that they be retested every three years. Therefore, Maximo should be changed to reflect this changed requirement. The new regulatory field in Maximo should also be checked for these three devices. DEC needs to receive a copy of all test results.

Ed, who do you want me to list as the responsible person for the registration renewal? You are the current person listed.

Bryan L. Williams
Division of Environmental Compliance
Metropolitan St. Louis Sewer District
314.436.8703
314.436.8766 (Fax)

UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

MSD

04/13/2006

METRO ST LOUIS SEWER
Attn: EDWIN COPE JR. OR
BISSELL POINT TREATMENT
10 EAST GRAND AVENUE

SAINT LOUIS, MO 63147-

SUBJECT: ACKNOWLEDGMENT LETTER(REFERENCE NO.: GLTS-A-705439)

We have received your response to the registration package for GL-705439-5

We have processed the application and have registered your devices. As a reminder, you are responsible to notify the NRC of any device transfers (must file report within 30 days of the transfer) and changes in address.

For additional requirements that you are subject to as a General Licensee, please refer to the Code of Federal Regulations (CFR), 10 CFR 31.5.

If you have any questions regarding your submittal or your responsibilities as a General Licensee call (301) 415-7231 or visit *www.nrc.gov/materials/medical.html.*

From: Buffy Santel
To: Ed Cope
Date: 7/28/2005 11:22:40 AM
Subject: NRC registration

Ed,
Attached is the letter for sending with the nuclear device registration. I've put in interoffice mail the Section 2 pages with the correct dates on them. I've also included another copy of the info sent last time about the lab device exchange. The remaining sections appeared to be correct.

If you have any questions, let me know.

Buffy Santel, P. E.
Civil Engineer, Environmental Compliance
Metropolitan St. Louis Sewer District
Phone: 314-436-8759
Fax: 314-436-8766
bsantel@stlmsd.com

July 28, 2005

U. S. Nuclear Regulatory Agency
ATTN: Accounts Receivable Team, OCFO
Mail Stop T-9 E10
Washington, DC 20555-0001

Dear NRC:

Enclosed you will find the required registration renewal forms for GL-705439-5. Please note that the Receipt Date for our three devices is incorrect. The correct date has been entered in the appropriate boxes. This correction information was also provided to you on last year's renewal application. Last year you were also provided information on the exchange of a device not subject to registration. That information is reflected incorrectly in this year's renewal application. The device listed is the one that was exchanged. The one you removed from the application (Serial #K2751) was not exchanged and is still in our possession. I am again providing the information on the exchanged devices.

If you have any questions, please call me at 314-436-8749.

Sincerely,
METROPOLITAN ST. LOUIS SEWER DISTRICT

Ed Cope
Operations Division Manager

Enclosure

Buffy - FYI
we received
our renewal
for Bissell.
Ed

NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

July 18, 2005

TO: All New, Current, or Previous Users of Devices Subject to General License Registration

PURPOSE: To Track and Account for Certain Generally Licensed Devices For Public Protection

SUBJECT: ANNUAL REGISTRATION OF GENERALLY LICENSED DEVICES

The U.S. Nuclear Regulatory Commission (NRC) requires annual registration of certain devices that are possessed under the general license issued in Section 31.5 of Title 10 U.S. Code of Federal Regulations (10 CFR 31.5). Devices subject to registration include those containing the radioactive material and activity listed in Table 1. You are receiving this notice because NRC records indicate that you have one or more such devices. Information about the general license registration program is available on the Internet at http://www.nrc.gov/materials/miau/miau-reg-initiatives/gen-license.html

Table 1. Criteria for Registration

Radioactive Material	Activity greater than or equal to:
Strontium-90	3.7 megabecquerel (0.1 millicurie)
Cobalt-60, Curium-244, Americium-241, and Californium-252	37 megabecquerel (1 millicurie)
Cesium-137	370 megabecquerel (10 millicurie)

Note that under 10 CFR 31.5(c)(11), the attached General Licensee Registration Form must be completed, signed, and returned to the NRC within 30 days from the date of this letter. READ ALL OF THE INSTRUCTIONS PRIOR TO COMPLETING THE FORM. Mail the completed form in the large enclosed envelope to:

U.S. Nuclear Regulatory Commission
ATTN: Accounts Receivable Team, OCFO
Mail Stop T-9 E10
Washington, D.C. 20555-0001

Mail the registration fee (check or money order payable to the USNRC) or credit card authorization and a copy of completed SECTION 1, PAGE 1 of 2, in the small enclosed envelope to:

U. S. Bank
Accounts Receivable Team
U. S. Nuclear Regulatory Commission
P. O. Box 74514
St. Louis, MO 63195-4514

*** Please note your GL number on the payment for proper posting to your account.**

Registration Fee: Commission regulations (10 CFR 170.31, Category 3Q) require that you submit a registration fee with each registration on an annual basis. The registration fee is subject to change yearly, and you are required to submit the fee that is in effect as of the date of this letter. If you wish to pay by credit card, you need to complete NRC Form-629, Authorization for Payment by Credit Card. You can obtain Form-629 by accessing the NRC website at http://www.nrc.gov/who-we-are/license-fees.html, select "Current Payment Options" and then select "Payment by Credit Card" (NRC Form-629). If you are unable to access this information on our website, or if you have any questions about the fee or payment options, call 301-415-7554.

The REGISTRATION FEE is $610.00.

Attachment: NRC Form 664 -- General Licensee Registration and Instructions

INSTRUCTIONS FOR COMPLETING NRC FORM 664
"GENERAL LICENSEE REGISTRATION"

Review all six sections of this registration form. If any information is incorrect or missing, make corrections in the applicable boxes. If you have more devices than space provided in the form, **copy the form before starting, as needed.** Use black ink and print in **CAPITAL LETTERS**. Start information in the first box provided. If the information contains a number with a dash (-) or a decimal point (.), include the dash or decimal point as an individual character. Use the "ø" character to represent the number 0 (zero).

Verify information about the devices by reviewing the label on the outside of the device. **For safety reasons, DO NOT TRY TO TAKE APART any device to verify this information.** If you are uncertain how to identify the device's label, contact the device's manufacturer or an authorized service agent for this information. Also, contact the manufacturer for any additional information about NRC requirements. You may also review 10 CFR 31.5 and other applicable regulations on the NRC web site at http://www.nrc.gov/reading-rm/doc-collections/cfr/, or review specific information about the general licensee project at http://www.nrc.gov/materials/miau/miau-reg-initiatives/gen-license.html

Note to specific licensees: If you believe the device(s) listed on the registration form are possessed under your specific license, then verify the device label does not state the device is subject to a general license. If the labels indicate the device is subject to a general license, then complete the registration form as instructed below. If not, complete the registration as instructed below, however, in Section 2, follow the instructions for "not in possession of device" and complete one Section 4 page per device transferred to your specific license.

Section 1 - General Licensee Information. Provide the requested information about you, the general licensee.

On Page 1, provide the street address/location where your device(s) are used. For portable devices, provide the storage location. P.O. Box addresses are not allowed.

Do not write in the box marked **For NRC Use Only**.

On Page 2, provide the name, telephone number, and title of the individual responsible for your device(s), and a mailing address where correspondence about your device(s) can be sent. The mailing address should be specific to the physical location where the devices are used and/or stored (P.O. boxes may be used if this is the only available mailing address). The individual indicated in this section as responsible for your device(s) must also verify and sign the form in Section 5.

Section 2 - Devices Subject to Registration. This section lists each device subject to registration and in your possession, according to NRC records. Devices subject to registration include those containing at least one of the radionuclides listed in Table 1, with the activity indicated, at the time of manufacture.

Table 1. Criteria for Registration

Radionuclide	Activity greater than or equal to:
Strontium-90	3.7 megabecquerel (0.1 millicurie)
Cobalt-60, Curium-244, Americium-241, and Californium-252	37 megabecquerel (1 millicurie)
Cesium-137	370 megabecquerel (10 millicurie)

Use the codes from Table 2 when correcting isotope information for devices in this section. If you do not possess a device on this list, blacken the "not in possession of device" circle, and provide the relevant information in Section 4. Note that each device is assigned a unique six-digit number called the NRC Device Key.

Table 2. Isotope Codes for Sections 2 and 3

Radionuclide	Code for form	Radionuclide	Code for form
Americium-241	AM241	Curium-244	CM244
Californium-252	CF252	Strontium-90	SR90
Cesium-137	CS137		
Cobalt-60	CO60		

Section 3 - Additional Devices. If you have other generally licensed devices (not listed in Section 2) that meet the conditions for registration listed in Table 1, provide information about each additional device. **Before starting, copy this section as needed for your additional devices.** Also indicate how you acquired each device by blackening the proper circle.

When entering isotope and unit information for your device(s), use the codes listed in Table 2 of Section 2 for isotope information, and use the codes from Table 3 for unit information:

Table 3. Unit Codes for Section 3

Unit	Code for form	Unit	Code for form
picocurie	PCI	becquerel	BQ
nanocurie	NCI	kilobecquerel	KBQ
microcurie	UCI	megabecquerel	MBQ
millicurie	MCI	gigabecquerel	GBQ
curie	CI	terabecquerel	TBQ
pound	LB	microgram	UG
		milligram	MG
kilogram	KG	gram	G

Section 4 - Not in Possession of Device. Use this section to report any devices that are listed in Sections 2 or 6, but that you no longer possess. **Before starting, copy this section as needed for additional devices that are not in your possession.** Enter the NRC Device Key, as listed in Section 2 or 6. Blacken the circle (choose only one) that best describes the disposition of the device and complete the rest of the section as appropriate.

Section 5 - Certification and Signature. The responsible individual must certify, sign, and date Section 5.

Section 6 - Devices Not Subject to Registration. This list contains information about devices that NRC records indicate are in your possession, but **are not subject to registration**. If you no longer have one or more of the listed devices, you are required to make a transfer report to NRC in accordance with 10 CFR 31.5(c)(8) or (9), as applicable. You may use Section 4 for this purpose. This section does not list any static eliminators containing polonium-210 (Po-210), or luminous exit signs containing tritium (H-3). These devices are not subject to registration, and are not included in this section in an effort to reduce the length of this form.

RETURN THE COMPLETED FORM IN THE ENCLOSED ENVELOPE WITH PROPER POSTAGE.

GL-705439-5
07/18/2005
NRC FORM 664
01 - 2001
10 CFR 31.5

U.S. NUCLEAR REGULATORY COMMISSION

GENERAL LICENSEE REGISTRATION

APPROVED BY OMB: NO. 3150-0198 **EXPIRES: 01/31/2004**

Estimated burden per response to comply with this mandatory collection request: 20 minutes. NRC will use this information to track general licensees and their devices to ensure a higher level of device accountability. Send comments regarding burden estimate to the Records Management Branch (T-6 E6), U. S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to bjs1 @nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0000). 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.

Complete all six sections of this registration form. If any of the preprinted information is incorrect, provide the changes in the applicable boxes. USE CAPITAL LETTERS.

General License Registration Number GL-705439-5

SECTION 1 - GENERAL LICENSEE INFORMATION

Enter the company name and the street address/physical location of use for your device(s). For portable devices, specify the primary storage location. Do not use a P.O. Box address.

Company Name: METRO ST LOUIS SEWER

Department: BISSELL POINT TREATMENT

Address Line 1: 10 EAST GRAND AVENUE

Address Line 2:

City: SAINT LOUIS

State: MO Zip Code: 63147 -

For NRC Use Only
(Do not write here)
Category:
Packet Receipt Date (MMDDYYYY):
Accession Number:

ok

GL-705439-5
07/18/2005

SECTION 1 - GENERAL LICENSEE INFORMATION (Continued)

Enter the name, telelphone number and title of the person who is the responsible individual for the device(s).

Last Name: COPE JR.

First Name: EDWIN

Middle Initial: R

Telephone: (314) 436-8749

Extension:

Title: OPERATIONS DIV MANAGER

Enter the mailing address where correspondence regarding your device(s) should be sent. This address should be specific to the use or storage location of your device(s).

Department: BISSELL POINT TREATMENT

Address Line 1: 10 EAST GRAND AVENUE

Address Line 2:

City: SAINT LOUIS

State: MO

Zip Code: 63147 -

ok

GL-705439-5

07/18/2005

SECTION 2 - DEVICES SUBJECT TO REGISTRATION

Our records indicate that you have these devices. Please update the information as necessary.

NRC Device Key **663341**

Manufacturer Name: TN TECHNOLOGIES, INC.

Manufacturer License Number: L01105

Device Model: 5201

Device Serial Number: B1867

Isotope: CS137

Receipt Date: 11/15/1987

05 15 1992

MM DD YYYY

○ **Not in possession of device (Also complete Section 4.)**

NRC Device Key **663342**

Manufacturer Name: TN TECHNOLOGIES, INC.

Manufacturer License Number: L01105

Device Model: 5201

Device Serial Number: B1868

Isotope: CS137

Receipt Date: 11/15/1987

05 15 1992

MM DD YYYY

○ **Not in possession of device (Also complete Section 4.)**

GL-705439-5

07/18/2005

SECTION 2 - DEVICES SUBJECT TO REGISTRATION

Our records indicate that you have these devices. Please update the information as necessary.

NRC Device Key **349410**

Manufacturer Name: TN TECHNOLOGIES, INC.

Manufacturer License Number: L01105

Device Model: 5203

Device Serial Number: B215

Isotope: CS137

Receipt Date: 09/25/2002

11 15 1987

MM DD YYYY

○ **Not in possession of device (Also complete Section 4.)**

GL-705439-5
07/18/2005

SECTION 3 - ADDITIONAL DEVICES SUBJECT TO REGISTRATION

Provide information about other devices you have that are subject to registration.

Manufacturer/Initial Transferor Name

Manufacturer/Initial Transferor License Number (if known)

Device Model Number

Device Serial Number

How acquired and date (e.g., from a distributor/manufacturer, other licensee, other source)?

- ○ Manufacturer/Initial Transferor listed above
- ○ Other General Licensee
- ○ Other Source

Date Received: MM DD YYYY

Isotope	Activity	Unit
Isotope	Activity	Unit
Isotope	Activity	Unit
Isotope	Activity	Unit
Isotope	Activity	Unit
Isotope	Activity	Unit
Isotope	Activity	Unit
Isotope	Activity	Unit
Isotope	Activity	Unit
Isotope	Activity	Unit

GL-705439-5
07/18/2005

SECTION 4 - NOT IN POSSESSION OF DEVICE

Provide information about devices listed in Section 2 or 6, but no longer in your possession.

Part 1

NRC Device Key:
(from Section 2 or 6)

Transfer Date:
MM DD YYYY

Location of the Device:

- ○ Whereabouts Unknown (complete Part 1 only)
- ○ Never Possessed the Device (complete Part 1 only)
- ○ Returned to Manufacturer (complete Part 1 only)
- ○ Transferred to another general licensee (complete Parts 2 and 3
- ○ Disposed of/Transferred to a Specific Licensee or other manufacturer. (complete Part 2)

Part 2 License Number of Recipient (if applicable):

Company Name:

Department:

Address Line 1:

Address Line 2:

City:

State: Zip Code: -

Part 3 **Enter the name of the individual responsible for this device:**

Last Name:

First Name:

Middle Initial:

Telephone Number: Extension:

Title:

SECTION 5 - CERTIFICATION

I hereby certify that:

A. All information contained in this registration is true and complete to the best of my knowledge and belief.

B. A physical inventory of the devices subject to registration has been completed, and the device information on this form has been checked against the device labeling.

C. I am aware of the requirements of the general license, provided in 10 CFR 31.5.
(Copies of applicable regulations may be viewed at the NRC web site at www.nrc.gov/NRC/CFR/index.html)

SIGNATURE - RESPONSIBLE INDIVIDUAL (Listed in Section 1) DATE

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

GL-705439-5
07/18/2005

SECTION 6 - DEVICES NOT SUBJECT TO REGISTRATION

NRC Device Key: 712544 Manufacturer License No: 07-28762-02G

Manufacturer Name: AGILENT TECHNOLOGIES, INC.

Model Number: G153369576 Serial #: K2750 Transfer Date: 12/09/2003

Isotope: NI63 Activity: 15.000000000 Unit: mCi

From: Buffy Skinner
To: Ed Cope
Date: 6/8/04 1:45PM
Subject: Nuclear Device Registration

Ed,
I've put the revised registration form in interoffice mail for you. The receipt dates were wrong for all three devices. I also included documentation for the transfer of the lab device. You will need to include that when you submit the registration form.
If you have any questions, I will be here tomorrow until 3pm.

Buffy C. Skinner
Environmental Assistant Engineer
St. Louis Metropolitan Sewer District
314-436-8759 (voice)
314-436-8766 (fax)
bskinner@stlmsd.com

GL-705439-2
05/25/2004
NRC FORM 664
01 - 2001
10 CFR 31.5

U.S. NUCLEAR REGULATORY COMMISSION

GENERAL LICENSEE REGISTRATION

APPROVED BY OMB: NO. 3150-0198 **EXPIRES: 01/31/2004**

Estimated burden per response to comply with this mandatory collection request: 20 minutes. NRC will use this information to track general licensees and their devices to ensure a higher level of device accountability. Send comments regarding burden estimate to the Records Management Branch (T-6 E6), U. S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to bjs1 @nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0000). 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.

Complete all six sections of this registration form. If any of the preprinted information is incorrect, provide the changes in the applicable boxes. USE CAPITAL LETTERS.

General License Registration Number GL-705439-2

SECTION 1 - GENERAL LICENSEE INFORMATION

Enter the company name and the street address/physical location of use for your device(s). For portable devices, specify the primary storage location. Do not use a P.O. Box address.

Company Name: METRO ST LOUIS SEWER

Department: BISSELL POINT TREATMENT

Address Line 1: 10 EAST GRAND AVENUE

Address Line 2:

City: SAINT LOUIS

State: MO

Zip Code: 63147 -

For NRC Use Only
(Do not write here)

Category:

Packet Receipt Date (MMDDYYYY):

Accession Number:

GL-705439-2
05/25/2004

SECTION 1 - GENERAL LICENSEE INFORMATION (Continued)

Enter the name, telelphone number and title of the person who is the responsible individual for the device(s).

Last Name: COPE JR.

First Name: EDWIN

Middle Initial: R

Telephone: (314) 436-8749

Extension:

Title: ASSISTANT DIRECTOR OF WW OPERATIONS DIV MANAGER

Enter the mailing address where correspondence regarding your device(s) should be sent. This address should be specific to the use or storage location of your device(s).

Department: BISSELL POINT TREATMENT

Address Line 1: 10 EAST GRAND AVENUE

Address Line 2:

City: SAINT LOUIS

State: MO Zip Code: 63147 -

GL-705439-2

05/25/2004

SECTION 2 - DEVICES SUBJECT TO REGISTRATION

Our records indicate that you have these devices. Please update the information as necessary.

NRC Device Key **663341**

Manufacturer Name: TN TECHNOLOGIES, INC.

Manufacturer License Number: L01105

Device Model: 5201

Device Serial Number: B1867

Isotope: CS137

Receipt Date: 11/15/1987

05 15 1992

MM DD YYYY

○ **Not in possession of device (Also complete Section 4.)**

NRC Device Key **663342**

Manufacturer Name: TN TECHNOLOGIES, INC.

Manufacturer License Number: L01105

Device Model: 5201

Device Serial Number: B1868

Isotope: CS137

Receipt Date: 11/15/1987

05 15 1992

MM DD YYYY

○ **Not in possession of device (Also complete Section 4.)**

GL-705439-2

05/25/2004

SECTION 2 - DEVICES SUBJECT TO REGISTRATION

Our records indicate that you have these devices. Please update the information as necessary.

NRC Device Key **349410**

Manufacturer Name: TN TECHNOLOGIES, INC.

Manufacturer License Number: L01105

Device Model: 5203

Device Serial Number: B215

Isotope: CS137

Receipt Date: 09/25/2002

MM	DD	YYYY
11	15	1987

○ **Not in possession of device (Also complete Section 4.)**

GL-705439-2
05/25/2004

SECTION 3 - ADDITIONAL DEVICES SUBJECT TO REGISTRATION

Provide information about other devices you have that are subject to registration.

Manufacturer/Initial Transferor Name

Manufacturer/Initial Transferor License Number (if known)

Device Model Number

Device Serial Number

How acquired and date (e.g., from a distributor/manufacturer, other licensee, other source)?

- ○ Manufacturer/Initial Transferor listed above
- ○ Other General Licensee
- ○ Other Source

Date Received: MM DD YYYY

Isotope	Activity	Unit
Isotope	Activity	Unit
Isotope	Activity	Unit
Isotope	Activity	Unit
Isotope	Activity	Unit
Isotope	Activity	Unit
Isotope	Activity	Unit
Isotope	Activity	Unit
Isotope	Activity	Unit
Isotope	Activity	Unit

GL-705439-2
05/25/2004

SECTION 4 - NOT IN POSSESSION OF DEVICE

Provide information about devices listed in Section 2 or 6, but no longer in your possession.

Part 1

NRC Device Key:
(from Section 2 or 6)

Transfer Date:
MM DD YYYY

Location of the Device:

- ○ Whereabouts Unknown (complete Part 1 only)
- ○ Never Possessed the Device (complete Part 1 only)
- ○ Returned to Manufacturer (complete Part 1 only)
- ○ Transferred to another general licensee (complete Parts 2 and
- ○ Disposed of/Transferred to a Specific Licensee or other manufacturer. (complete Part 2)

Part 2 License Number of Recipient (if applicable):

Company Name:

Department:

Address Line 1:

Address Line 2:

City:

State: Zip Code: -

Part 3 **Enter the name of the individual responsible for this device:**

Last Name:

First Name:

Middle Initial:

Telephone Number: Extension:

Title:

SECTION 5 - CERTIFICATION

I hereby certify that:

A. All information contained in this registration is true and complete to the best of my knowledge and belief.

B. A physical inventory of the devices subject to registration has been completed, and the device information on this form has been checked against the device labeling.

C. I am aware of the requirements of the general license, provided in 10 CFR 31.5.
(Copies of applicable regulations may be viewed at the NRC web site at www.nrc.gov/NRC/CFR/index.html)

SIGNATURE - RESPONSIBLE INDIVIDUAL (Listed in Section 1) DATE

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

GL-705439-2
05/25/2004

SECTION 6 - DEVICES NOT SUBJECT TO REGISTRATION

NRC Device Key: 537213 Manufacturer License No: 37-07002-03G

Manufacturer Name: HEWLETT-PACKARD COMPANY

Model Number: G1533A Serial #: ~~K2751~~ 4A646 Transfer Date: 10/10/2002

Isotope: NI63 Activity: 15.000000000 Unit: mCi

See Enclosed

United States
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

May 25, 2004

TO: All Registrants of Generally Licensed Devices

SUBJECT: Annual Registration of Generally Licensed Devices

The U.S. Nuclear Regulatory Commission (NRC) requires annual registration of devices that are possessed under the general license issued in Section 31.5 of Title 10 U.S. Code of Federal Regulations (10 CFR 31.5). Devices subject to registration include those containing the radionuclide and activity listed in Table 1. You are receiving this notice because NRC records indicate that you have one or more such devices.

Table 1. Criteria for Registration

Radionuclide	Activity greater than or equal to:
Strontium-90	3.7 megabecquerel (0.1 millicurie)
Cobalt-60, Curium-244, Americium-241, Californium-252, Plutonium-238, and Plutonium-239	37 megabecquerel (1 millicurie)
Cesium-137	370 megabecquerel (10 millicurie)

Note that under 10 CFR 31.5(c)(11), the attached General Licensee Registration Form must be completed, signed, and returned to the NRC within 30 days from the date of this letter. READ ALL OF THE INSTRUCTIONS PRIOR TO COMPLETING THE FORM. Mail the completed form and registration fee (check or money order payable to the USNRC) or credit card authorization to:

U. S. Bank
Accounts Receivable Team
U. S. Nuclear Regulatory Commission
P. O. Box 74514
ST. LOUIS, MO 63195-4514

Information about the general license registration program is available on the Internet at http://www.nrc.gov/materials/miau/miau-reg-initiatives/gen-license.html.

Registration Fee: Commission regulations (10 CFR 170.31, Category 3Q) require that you submit a registration fee with each registration on an annual basis. The registration fee is subject to change yearly, and you are required to submit the fee that is in effect as of the date of this letter. If you wish to pay by credit card, you need to complete NRC Form-629, Authorization for Payment by Credit Card. You can obtain Form-629 by accessing the NRC website at http://www.nrc.gov/who-we-are/license-fees.html, select "Current Payment Options" and then select "Payment by Credit Card" (NRC Form-629). If you are unable to access this information on our website, or if you have any questions about the fee or payment options, call 301-415-7554.

The REGISTRATION FEE is $620.00.

Attachment: NRC Form 664 -- General Licensee Registration and Instructions

INSTRUCTIONS FOR COMPLETING NRC FORM 664
"GENERAL LICENSEE REGISTRATION"

Review all six sections of this registration form. If any information is incorrect or missing, make corrections in the applicable boxes. If you have more devices than space provided in the form, **copy the form before starting, as needed.** Use black ink and print in **CAPITAL LETTERS**. Start information in the first box provided. If the information contains a number with a dash (-) or a decimal point (.), include the dash or decimal point as an individual character. Use the "ø" character to represent the number 0 (zero).

Verify information about the devices by reviewing the label on the outside of the device. **For safety reasons, DO NOT TRY TO TAKE APART any device to verify this information.** If you are uncertain how to identify the device's label, contact the device's manufacturer or an authorized service agent for this information. Also, contact the manufacturer for any additional information about NRC requirements. You may also review 10 CFR 31.5 and other applicable regulations on the NRC web site at http://www.nrc.gov/reading-rm/doc-collections/cfr/, or review specific information about the general licensee project at http://www.nrc.gov/materials/miau/miau-reg-initiatives/gen-license.html

Note to specific licensees: If you believe the device(s) listed on the registration form are possessed under your specific license, then verify the device label does not state the device is subject to a general license. If the labels indicate the device is subject to a general license, then complete the registration form as instructed below. If not, complete the registration as instructed below, however, in Section 2, follow the instructions for "not in possession of device" and complete one Section 4 page per device transferred to your specific license.

Section 1 - General Licensee Information. Provide the requested information about you, the general licensee.

On Page 1, provide the street address/location where your device(s) are used. For portable devices, provide the storage location. P.O. Box addresses are not allowed.

Do not write in the box marked **For NRC Use Only**.

On Page 2, provide the name, telephone number, and title of the individual responsible for your device(s), and a mailing address where correspondence about your device(s) can be sent. The mailing address should be specific to the physical location where the devices are used and/or stored (P.O. boxes may be used if this is the only available mailing address). The individual indicated in this section as responsible for your device(s) must also verify and sign the form in Section 5.

Section 2 - Devices Subject to Registration. This section lists each device subject to registration and in your possession, according to NRC records. Devices subject to registration include those containing at least one of the radionuclides listed in Table 1, with the activity indicated, at the time of manufacture.

Table 1. Criteria for Registration

Radionuclide	Activity greater than or equal to:
Strontium-90	3.7 megabecquerel (0.1 millicurie)
Cobalt-60, Curium-244, Americium-241, Californium-252, Plutonium-238, and Plutonium-239	37 megabecquerel (1 millicurie)
Cesium-137	370 megabecquerel (10 millicurie)

Use the codes from Table 2 when correcting isotope information for devices in this section. If you do not possess a device on this list, blacken the "not in possession of device" circle, and provide the relevant information in Section 4. Note that each device is assigned a unique six-digit number called the NRC Device Key.

Table 2. Isotope Codes for Sections 2 and 3

Radionuclide	Code for form	Radionuclide	Code for form
Americium-241	AM241	Curium-244	CM244
Californium-252	CF252	Plutonium-238	PU238
Cesium-137	CS137	Plutonium-239	PU239
Cobalt-60	CO60	Strontium-90	SR90

Section 3 - Additional Devices. If you have other generally licensed devices (not listed in Section 2) that meet the conditions for registration listed in Table 1, provide information about each additional device. **Before starting, copy this section as needed for your additional devices.** Also indicate how you acquired each device by blackening the proper circle.

When entering isotope and unit information for your device(s), use the codes listed in Table 2 of Section 2 for isotope information, and use the codes from Table 3 for unit information:

Table 3. Unit Codes for Section 3

Unit	Code for form	Unit	Code for form
picocurie	PCI	becquerel	BQ
nanocurie	NCI	kilobecquerel	KBQ
microcurie	UCI	megabecquerel	MBQ
millicurie	MCI	gigabecquerel	GBQ
curie	CI	terabecquerel	TBQ
pound	LB	microgram	UG
		milligram	MG
kilogram	KG	gram	G

Section 4 - Not in Possession of Device. Use this section to report any devices that are listed in Sections 2 or 6, but that you no longer possess. **Before starting, copy this section as needed for additional devices that are not in your possession.** Enter the NRC Device Key, as listed in Section 2 or 6. Blacken the circle (choose only one) that best describes the disposition of the device and complete the rest of the section as appropriate.

Section 5 - Certification and Signature. The responsible individual must certify, sign, and date Section 5.

Section 6 - Devices Not Subject to Registration. This list contains information about devices that NRC records indicate are in your possession, but **are not subject to registration**. If you no longer have one or more of the listed devices, you are required to make a transfer report to NRC in accordance with 10 CFR 31.5(c)(8) or (9), as applicable. You may use Section 4 for this purpose. This section does not list any static eliminators containing polonium-210 (Po-210), or luminous exit signs containing tritium (H-3). These devices are not subject to registration, and are not included in this section in an effort to reduce the length of this form.

RETURN THE COMPLETED FORM IN THE ENCLOSED ENVELOPE WITH PROPER POSTAGE.

METROPOLITAN ST. LOUIS SEWER DISTRICT

DEPARTMENT OF ENVIRONMENTAL COMPLIANCE

TELEPHONE OR CONFERENCE RECORD

File Type: NRC
File Name: BPTP Nuclear devices
Account No.:

Date: 6/8/04 Time: 12:45pm

Telephone Call: Incoming ( ) Outgoing ( ) Returned (✓)

Conference: Field ( ) Office ( )

SUBJECT: general licensee registration form

PERSONS INVOLVED

Name	Affiliation
Jonathan Rivera (301-415-5810)	NRC
Buffy Skinner	MSD

SUMMARY OF CONVERSATION: I contacted Jonathan to find out why the GL-# + NRC Device Key #'s were different on BPTP's registration form than they were on the last form. Jonathan said it was because of the difference in addresses originally on the form + change in location. The system assigns a new GL# for each address. Originally, the devices were listed at 2000 Hampton, even though they wer physically at 10 East Grand. He said not to worry about those numbers as long as the rest of the info. is correct.

ACTION TAKEN:

Signature

MSD 001653

OEC Memo

COPY

Date: February 13, 2002

To: Ed Cope

From: Buffy C. Skinner

Re: Nuclear Device General Registration Forms

Enclosed you will find completed forms for general registration of your nuclear devices. Please review for accuracy. If all information appears correct, sign Section 5 Page 1 and mail to NRC in the enclosed envelope. I have also included blank forms in case there is a need for you to change something. If you do need to make a change, be sure and use black ink. Also, I would appreciate a copy of any changes you make for our files.

If you have any questions, please call me at x-8759.

GL-705300-01
02/05/2002
NRC FORM 664
01 - 2001
10 CFR 31.5

U.S. NUCLEAR REGULATORY COMMISSION

GENERAL LICENSEE REGISTRATION

APPROVED BY OMB: NO. 3150-0198 EXPIRES: 01/31/2004

Estimated burden per response to comply with this mandatory collection request: 20 minutes. NRC will use this information to track general licensees and their devices to ensure a higher level of device accountability. Send comments regarding burden estimate to the Records Management Branch (T-6 E6), U. S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to bjs1@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0000). 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.

Complete all six sections of this registration form. If any of the preprinted information is incorrect, provide the changes in the applicable boxes. USE CAPITAL LETTERS.

General License Registration Number
GL-705300-01

SECTION 1 - GENERAL LICENSEE INFORMATION

Enter the company name and the street address/physical location of use for your device(s). For portable devices, specify the primary storage location. Do not use a P.O. Box address.

Company Name: ST. LOUIS METROPOLITAN SEWER DISTRICT

Department:

Address Line 1: 10 EAST GRAND AVE

Address Line 2:

City: SAINT LOUIS

State: MO Zip Code: 63147 -

For NRC Use Only
(Do not write here)
Category:
Packet Receipt Date (MMDDYYYY):
Accession Number:

GL-705300-01
02/05/2002

SECTION 1 - GENERAL LICENSEE INFORMATION (Continued)

Enter the name, telelphone number and title of the person who is the responsible individual for the device(s).

Last Name: DEPRIMO OR

COPE JR.

First Name: MARIO

EDWIN

Middle Initial:

R

Telephone: (314) 436-8724

314 436 8749

Extension:

Title: CURRENT SAFETY OFFICER

ASST DIR OF WASTEWATER

Enter the mailing address where correspondence regarding your device(s) should be sent. This address should be specific to the use or storage location of your device(s).

Department:

BISSELL POINT WWTP

Address Line 1: 10 EAST GRAND AVE

Address Line 2:

City: SAINT LOUIS

State: MO

Zip Code: 63147 -

GL-705300-01

02/05/2002

SECTION 2 - DEVICES SUBJECT TO REGISTRATION

Our records indicate that you have these devices. Please update the information as necessary.

NRC Device Key 447128

Manufacturer Name: TN TECHNOLOGIES, INC.

Manufacturer License Number: L01105

Device Model: 5201

Device Serial Number: 000000

B18667

Isotope: CS137

Receipt Date: 05/15/1992

MM DD YYYY

○ Not in possession of device (Also complete Section 4.)

NRC Device Key 447129

Manufacturer Name: TN TECHNOLOGIES, INC.

Manufacturer License Number: L01105

Device Model: 5201

Device Serial Number: 000000

B18668

Isotope: CS137

Receipt Date: 05/15/1992

MM DD YYYY

○ Not in possession of device (Also complete Section 4.)

GL-705300-01
02/05/2002

SECTION 3 - ADDITIONAL DEVICES SUBJECT TO REGISTRATION

Provide information about other devices you have that are subject to registration.

Manufacturer/Initial Transferor Name

JN TECHNOLOGIES INC.

Manufacturer/Initial Transferor License Number (if known)

L01105

Device Model Number

5203

Device Serial Number

B215

How acquired and date (e.g., from a distributor/manufacturer, other licensee, other source)?

- ● Manufacturer/Initial Transferor listed above
- ○ Other General Licensee
- ○ Other Source

Date Received: 11 15 1987 (MM DD YYYY)

Isotope	Activity	Unit
CS137	2000	MCI

GL-705300-01
02/05/2002

SECTION 4 - NOT IN POSSESSION OF DEVICE

Provide information about devices listed in Section 2 or 6, but no longer in your possession.

Part 1

NRC Device Key:
(from Section 2 or 6)

Transfer Date:
MM DD YYYY

Location of the Device:

- ○ Whereabouts Unknown (complete Part 1 only)
- ○ Never Possessed the Device (complete Part 1 only)
- ○ Returned to Manufacturer (complete Part 1 only)
- ○ Transferred to another general licensee (complete Parts 2 and 3)
- ○ Disposed of/Transferred to a Specific Licensee or other manufacturer. (complete Part 2)

Part 2 License Number of Recipient (if applicable):

Company Name:

Department:

Address Line 1:

Address Line 2:

City:

State: Zip Code: -

Part 3 **Enter the name of the individual responsible for this device:**

Last Name:

First Name: Middle Initial:

Telephone Number: Extension:

Title:

SECTION 5 - CERTIFICATION

I hereby certify that:

A. All information contained in this registration is true and complete to the best of my knowledge and belief.

B. A physical inventory of the devices subject to registration has been completed, and the device information on this form has been checked against the device labeling.

C. I am aware of the requirements of the general license, provided in 10 CFR 31.5.
(Copies of applicable regulations may be viewed at the NRC web site at www.nrc.gov/NRC/CFR/index.html)

SIGNATURE - RESPONSIBLE INDIVIDUAL (Listed in Section 1) DATE

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

SECTION 6 - DEVICES NOT SUBJECT TO REGISTRATION

NRC Device Key: 537212 Manufacturer License No: 37-07002-03G

Manufacturer Name: HEWLETT-PACKARD COMPANY

Model Number: G1533A Serial #: K2750 Transfer Date: 05/15/1996

Isotope: NI63 Activity: 15.000000000 Unit: mCi

NRC Device Key: 537213 Manufacturer License No: 37-07002-03G

Manufacturer Name: HEWLETT-PACKARD COMPANY

Model Number: G1533A Serial #: K2751 Transfer Date: 05/15/1996

Isotope: NI63 Activity: 15.000000000 Unit: mCi

From: Buffy Skinner
To: Ed Cope, Neil Frankenberg
Date: 1/6/03 8:53AM
Subject: Radioactive Devices

As you both know, we were required to register our radioactive devices with the NRC last year. The license is annual and is soon due for renewal. I spoke with a contact at NRC this morning about the renewal. He told me that NRC is still trying to locate original registrants from the initial registration so the renewal has been postponed. We should receive a renewal registration packet from NRC toward late Summer 2003. The renewal registration will require a fee.

If you have any questions, please call me.

Buffy Skinner, Environmental Assistant Engineer
Metropolitan St. Louis Sewer District
bskinner@stlmsd.com
(314)436-8759

METROPOLITAN ST. LOUIS SEWER DISTRICT

DEPARTMENT OF ENVIRONMENTAL COMPLIANCE

TELEPHONE OR CONFERENCE RECORD

File Type: RE6 Date: 1/6/03 Time: 8:30 AM
File Name:
Account No.:

Telephone Call Incoming ( ) Outgoing (X) Returned ( ) Conference Field ( ) Office ( )

SUBJECT: Sealed Source General License Registration

PERSONS INVOLVED

Name	Affiliation
Benes Thavaken (301-415-7138)	NRC
Buffy Skinner	MSD

SUMMARY OF CONVERSATION: I called Benes to inquire about renewal of our general license registration on the sealed sources for the sludge density meters (BPTP + LTP) Benes said that the NRC was still trying to locate registrants from the initial registration so the renewal registration was being postponed. Benes said we should expect a renewal packet toward late summer 2003, which will include a fee. I had Benes confirm receipts of the registrations for Bissell + Lemay. They were received.

ACTION TAKEN: Notify Ed Cope + Neil Frankenberg.

Benes said to contact him if renewal forms were not received by 10/03.

BCS
Signature

MSD 001663

From: Ed Cope
To: Buffy Skinner
Date: 2/14/02 2:24PM
Subject: Nuclear Devices

I have signed and am sending out the same thing you sent me.

DEPARTMENT OF ENVIRONMENTAL COMPLIANCE

TELEPHONE OR CONFERENCE RECORD

File Type: _____ Date: 8/10/01 Time: 10:15Am

File Name: _____

Account No.: _____

Telephone Call: Incoming ( ) Outgoing (X) Returned ( )

Conference: Field ( ) _____ Office ( ) _____

SUBJECT: Nuclear device registration

PERSONS INVOLVED

Name	Affiliation
Benes Tharaken	NRC (301-415-7138)
Buffy Skinner	MSD

SUMMARY OF CONVERSATION: I called Benes concerning the GL registration form we received for one of Bissell's sludge density meters. I explained to Benes that the device indicated on the form was actually located at BPTF + not at Hampton. Benes said to indicate on the form that the device had been transferred to the Bissell address even though it had never been at Hampton. Benes told me when we receive the form for the additional devices at Bissell, this device should be listed since we claimed the transfer. As for quarterly inventory of unused devices, Benes suggested keeping a log of all devices + checking it quarterly.

ACTION TAKEN: _____

BR

Signature

Metropolitan
St. Louis Sewer
District
Department of Environmental Compliance
10 East Grand Avenue
St. Louis, MO 63147-2913

FAX COVER SHEET

TO: Ed Cope

COMPANY:

FAX NUMBER: 8770

FROM: **Buffy Skinner**

Direct Phone: (314) 436-8759
Fax: (314) 436-8766

TOTAL PAGES (INCLUDING COVER PAGE): 3

DATE: 10/11/07

REMARKS:

Ed,
Following are the pages of the form you will need to change. Don't forget to sign + date page 1 of Section 5.
Call me if you have any questions

Buffy

If you have any problems with this transmission, please contact Buffy Skinner at the phone number above.

****
***** ACTIVITY REPORT *****
****

TRANSMISSION OK

TX/RX NO.	5445
CONNECTION TEL	8770
CONNECTION ID	
START TIME	10/11 10:49
USAGE TIME	01'09
PAGES	3
RESULT	OK

Copy

GL-41989-01
06/28/2001
NRC FORM 664
01 - 2001
10 CFR 31.5

U.S. NUCLEAR REGULATORY COMMISSION

GENERAL LICENSEE REGISTRATION

APPROVED BY OMB: NO. 3150-0198 **EXPIRES: 01/31/2004**

Estimated burden per response to comply with this mandatory collection request: 20 minutes. NRC will use this information to track general licensees and their devices to ensure a higher level of device accountability. Send comments regarding burden estimate to the Records Management Branch (T-6 E6), U. S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to bjs1@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0000). 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.

Complete all six sections of this registration form. If any of the preprinted information is incorrect, provide the changes in the applicable boxes. USE CAPITAL LETTERS.

General License Registration Number
GL-41989-01

SECTION 1 - GENERAL LICENSEE INFORMATION

Enter the company name and the street address/physical location of use for your device(s). For portable devices, specify the primary storage location. Do not use a P.O. Box address.

Company Name: METROPOLITAN ST LOUIS SEWER

Department:

Address Line 1: 2000 HAMPTON AVE

Address Line 2:

City: SAINT LOUIS

State: MO Zip Code: 63139 -

For NRC Use Only
(Do not write here)
Category:
Packet Receipt Date (MMDDYYYY):
Accession Number:

SECTION 1 - GENERAL LICENSEE INFORMATION (Continued)

Enter the name, telelphone number and title of the person who is the responsible individual for the device(s).

Last Name:

First Name:

Middle Initial:

Telephone: (314) 768-6200

Extension:

Title:

Enter the mailing address where correspondence regarding your device(s) should be sent. This address should be specific to the use or storage location of your device(s).

Department:

Address Line 1: 2000 HAMPTON AVE

Address Line 2:

City: SAINT LOUIS

State: MO

Zip Code: 63139 -

GL-41989-01

06/28/2001

SECTION 2 - DEVICES SUBJECT TO REGISTRATION

Our records indicate that you have these devices. Please update the information as necessary.

NRC Device Key **349410**

Manufacturer Name: TN TECHNOLOGIES, INC.

Manufacturer License Number: L01105

Device Model: 5203

Device Serial Number:

B215

Isotope: CS137

Receipt Date: 11/15/1987

MM DD YYYY

● **Not in possession of device (Also complete Section 4.)**

GL-41989-01
06/28/2001

SECTION 3 - ADDITIONAL DEVICES SUBJECT TO REGISTRATION

Provide information about other devices you have that are subject to registration.

Manufacturer/Initial Transferor Name

Manufacturer/Initial Transferor License Number (if known)

Device Model Number

Device Serial Number

How acquired and date (e.g., from a distributor/manufacturer, other licensee, other source)?

- ○ Manufacturer/Initial Transferor listed above
- ○ Other General Licensee
- ○ Other Source

Date Received: MM DD YYYY

Isotope	Activity	Unit
Isotope	Activity	Unit
Isotope	Activity	Unit
Isotope	Activity	Unit
Isotope	Activity	Unit
Isotope	Activity	Unit
Isotope	Activity	Unit
Isotope	Activity	Unit
Isotope	Activity	Unit
Isotope	Activity	Unit

GL-41989-01
06/28/2001

SECTION 3 - ADDITIONAL DEVICES SUBJECT TO REGISTRATION

Provide information about other devices you have that are subject to registration.

Manufacturer/Initial Transferor Name

Manufacturer/Initial Transferor License Number (if known)

Device Model Number

Device Serial Number

How acquired and date (e.g., from a distributor/manufacturer, other licensee, other source)?

- ○ Manufacturer/Initial Transferor listed above
- ○ Other General Licensee
- ○ Other Source

Date Received: MM DD YYYY

Isotope	Activity	Unit
Isotope	Activity	Unit
Isotope	Activity	Unit
Isotope	Activity	Unit
Isotope	Activity	Unit
Isotope	Activity	Unit
Isotope	Activity	Unit
Isotope	Activity	Unit
Isotope	Activity	Unit

GL-41989-01
06/28/2001

SECTION 4 - NOT IN POSSESSION OF DEVICE

Provide information about devices listed in Section 2 or 6, but no longer in your possession.

Part 1

NRC Device Key: (from Section 2 or 6) 349410

Transfer Date: MM DD YYYY

Location of the Device:

- ○ Whereabouts Unknown (complete Part 1 only)
- ○ Never Possessed the Device (complete Part 1 only)
- ○ Returned to Manufacturer (complete Part 1 only)
- ● Transferred to another general licensee (complete Parts 2 and 3
- ○ Disposed of/Transferred to a Specific Licensee or other manufacturer. (complete Part 2)

Part 2 License Number of Recipient (if applicable):

Company Name: ST. LOUIS MSD

Department: BISSELL POINT WWTP

Address Line 1: 10 EAST GRAND AVE

Address Line 2:

City: ST. LOUIS

State: MO Zip Code: 63147 -

Part 3 **Enter the name of the individual responsible for this device:**

Last Name: COPE JR.

First Name: EDWIN

Middle Initial: R

Telephone Number: 314 436 8749 Extension:

Title: ASSISTANT DIRECTOR

SECTION 5 - CERTIFICATION

I hereby certify that:

A. All information contained in this registration is true and complete to the best of my knowledge and belief.

B. A physical inventory of the devices subject to registration has been completed, and the device information on this form has been checked against the device labeling.

C. I am aware of the requirements of the general license, provided in 10 CFR 31.5.
(Copies of applicable regulations may be viewed at the NRC web site at www.nrc.gov/NRC/CFR/index.html)

SIGNATURE - RESPONSIBLE INDIVIDUAL (Listed in Section 1) DATE

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

SECTION 6 - DEVICES NOT SUBJECT TO REGISTRATION

NRC Device Key: Manufacturer License No:

Manufacturer Name:

Model Number: Serial #: Transfer Date: 00/00/0000

Metropolitan St. Louis Sewer District Nuclear Device Licenses Report
Print Date:04/13/2001
File:_msdradioactiveGLdevices_report.xls

RADIOACTIVE GENERAL DEVICE LICENSEES

Tracking items with renewal dates are red as shown in computer

Facility	Premise Address	Designated Responsible Person (1)	Device Information				Device Labeled	Isotope	Isotope Activity (mCi)	Registration Required?	CERCLA (3) RQ (mCi)	Leak Test Information (2)			
			Type	Make	Model	Serial No.						Frequency	Last Test Date	Test Result	Next Test Date
Bissell Point Treatment Plant	10 East Grand Ave., 63147	Ed Cope, x8749 or Mark Sloan,	Sludge density meter	TN	5201	B1867	Yes	Cesium-137 (Cs-137)	100	yes	0.001	Annual	?	pass	Apr-01
		?	Sludge density meter	TN	5201	B1868	Yes	Cesium-137 (Cs-137)	100	yes	0.001	Annual	?	pass	Apr-01
			Sludge density meter	TN	5203	B215	Yes	Cesium-137 (Cs-137)	2000	yes	0.001	Annual	?	pass	Apr-01
Lemay Treatment Plant	201 Hoffmeister, 63125	Mike Townley, x5085 or Neil Fra	Sludge density meter, primary line 1-4	Kay Ray	7063P	11199	Yes	Cesium-137 (Cs-137)	500	yes	0.001	Three Years	Feb-99	pass	Feb-02
		?	Sludge density meter, stored line	Kay Ray	7063P	11199	Yes	Cesium-137 (Cs-137)	500	yes	0.001	Three Years	Feb-99	pass	Feb-02
			Sludge density meter, primary line 5-8	Kay Ray	7063P	11199	Yes	Cesium-137 (Cs-137)	500	yes	0.001	Three Years	Feb-99	pass	Feb-02
Grand Glaize Treatment Plant	1000 Grand Glaize Pkwy., 63088	Todd Heller, x6700 ?	Sludge density meter	?	?	?	?	?	?			?	?	?	?
OEC Laboratory	10 East Grand Ave., 63147	Mario Deprimo, x8724 ?	Electron capture detector	HP	G1533A	K2750	Yes	?	?			Six Months	May-00	pass	?
			Electron capture detector	HP	G1533A	K2751	Yes	?	?			Six Months	May-00	pass	?

(1) See MSD guidance memo

(2) Leak test required every six months or as specified on label and reord of test must be maintained for three years

(3) National Response Center release reporting above the CERCLA RQ and Nuclear Regulatory Commission release reporting apply

Misc Notes:

Missouri River Treatment Plant uses ultrasonic (non-radioactive) type devices

Coldwater Creek Treatment Plant nuclear devices taken out around 1990

MSD construction projects contracts outside company when portable density meters required.

File Copy:
Bruce
Roland
MSD Compliance Tracking
Nuclear Devices

MSD Inventory State
4/13/01

Metropolitan St. Louis Sewer District Nuclear Device Licenses Report
Print Date:04/11/2001
File:_msdradioactiveGLdevices_report.xls

RB FYI

RADIOACTIVE GENERAL DEVICE LICENSEES

Tracking items with renewal dates are red as shown in computer

Facility	Premise Address	Designated Responsible Person (1)	Device Information				Device Labeled	Isotope	Isotope Activity (mCi)	Registration Required?	CERCLA (3) RQ (Ci)	Leak Test Information (2)			
			Type	Make	Model	Serial No.						Frequency	Last Test Date	Test Result	Next Test Date
Bissell Point Treatment Plant	10 East Grand Ave., 63147	Ed Cope, x8749 or Mark Sloan,	Sludge density meter	TN	5201	B1867	Yes	Cesium-137 (Cs-137)	100	yes	1	Annual	?	pass	Apr-01
		?	Sludge density meter	TN	5201	B1868	Yes	Cesium-137 (Cs-137)	100	yes	1	Annual	?	pass	Apr-01
			Sludge density meter	TN	5203	B215	Yes	Cesium-137 (Cs-137)	2000	yes	1	Annual	?	pass	Apr-01
Lemay Treatment Plant	201 Hoffmeister, 63125	Mike Townley, x5085 or Neil Fra	Sludge density meter, primary line 1-4	Kay Ray	7063P	11199	Yes	? Cs 137	500			Three Years/Shutter, Six Months	Feb-99/	pass	Feb-02
		?	Sludge density meter, stored line	Kay Ray	7063P	11199	Yes	? "	" ?			Three Years/Shutter, Six Months	Feb-99/	pass	Feb-02
			Sludge density meter, primary line 5-8	Kay Ray	7063P	11199	Yes	? "	" ?			Three Years/Shutter, Six Months	Feb-99/	pass	Feb-02
Grand Glaize Treatment Plant	1000 Grand Glaize Pkwy., 63088	Todd Heller, x6700 ?	Sludge density meter	?	?	?	?	?	?			?	?	?	?
OEC Laboratory	10 East Grand Ave., 63147	Mario Deprimo, x8724 ?	Electron capture detector	HP	G1533A	K2750	Yes	?	?			Six Months	May-00	pass	?
			Electron capture detector	HP	G1533A	K2751	Yes	?	?			Six Months	May-00	pass	?

(1) See MSD guidance memo

(2) Leak test required every six months or as specified on label and reord of test must be maintained for three years

(3) National Response Center release reporting above the CERCLA RQ and Nuclear Regulatory Commission release reporting apply

Misc Notes:

Missouri River Treatment Plant uses ultrasonic (non-radioactive) type devices

Coldwater Creek Treatment Plant nuclear devices taken out around 1990

MSD construction projects contracts outside company when portable density meters required.

File Copy:
Bruce
Roland
MSD Compliance Tracking
Nuclear Devices

Metropolitan St. Louis Sewer District Nuclear Device Licenses Report
Print Date:04/05/2001
File:_msdnucleardevices_report.xls

NUCLEAR DEVICE LICENSES

Tracking items with renewal dates are red as shown in computer

Facility	Premise Address	Designated Responsible Person (1)	Device Information: Type	Make	Model	Serial No.	Device Labeled	Isotope	Isotope Activity (curies)	Registration Required?	Leak Test Information (2): Frequency	Last Test Date	Test Result	Next Test Date	Maximo (M) Hansen (H) No.
Bissell Point Treatment Plant	10 East Grand Ave., 63147	Ed Cope, x8749 or Mark Sloan,	Sludge density meter	TN	5201	B1867	Yes	Cesium-137 (Cs-137)	? 100mc	X	Annual	Dec-99	pass	Dec-00	April 2001
		?	Sludge density meter	TN	5201	B1868	Yes	Cesium-137 (Cs-137)	? 100mc	X	Annual	Dec-99	pass	Dec-00	
			Sludge density meter	TN	5203	B215	Yes	Cesium-137 (Cs-137)	2C	[illegible]	Annual	Dec-99	pass	Dec-00	
Lemay Treatment Plant	201 Hoffmeister, 63125	Mike Townley, x5085 or Neil Fra	Sludge density meter, primary line 1-4	Kay Ray	7063P	11199	Yes	?	?		Three Years/Shutter, Six Months	Feb-99/ ?	pass	Feb-02	is next
		?	Sludge density meter, stored line	Kay Ray	7063P	11199	Yes	?	?		Three Years/Shutter, Six Months	Feb-99/ ?	pass	Feb-02	
			Sludge density meter, primary line 5-8	Kay Ray	7063P	11199	Yes	?	?		Three Years/Shutter, Six Months	Feb-99/ ?	pass	Feb-02	
Grand Glaize Treatment Plant	1000 Grand Glaize Pkwy., 63088	Todd Heller, x6700 ?	Sludge density meter	?	?	?	?	?	?		?	?		?	
OEC Laboratory	10 East Grand Ave., 63147	Mario Deprimo, x8724 ?	Electron capture detector	HP	G1533A	K2750	Yes	?	?		Six Months	May-00	pass	Nov-00	
			Electron capture detector	HP	G1533A	K2751	Yes	?	?		Six Months	May-00	pass	Nov-00	

(1) See MSD guidance memo
(2) Leak test required every six months or as specified on label and reord of test must be maintained for three years
(3) National Response Center release reporting above the CERCLA RQ and Nuclear Regulatory Commission release reporting apply

Misc Notes:
Missouri River Treatment Plant uses ultrasonic (non-radioactive) type devices
Coldwater Creek Treatment Plant nuclear devices taken out around 1990
MSD construction projects contracts outside company when portable density meters required.

File Copy:
Bruce
Roland
MSD Compliance Tracking
Nuclear Devices

COUUMS
Per 4/9/01, 11:10 Tele Con
w/Alison
RB

Update GL Report 4/9/01 RB

Bruce.
Here is the information you wanted.
Alison
X8836

File Type: WASTE & UW FILE Date: 4/3/01 Time: 12:30

File Name: FENTON TREATMENT PLANT & UV LAMP UW FILE

~~Account No.:~~

Telephone Call Incoming ( ) Outgoing ( ) Returned ( )

Conference Field ( ) Office ( )

SUBJECT: UV WASTE BUB MGMT

PERSONS INVOLVED

Name	Affiliation
JOHN RARAS ~~[illegible]~~ (636)343-5936	OEL/OPR TEAM
R. BIEHL	

SUMMARY OF CONVERSATION: 850 WASTE UV BULBS @ FENTON TP MGMT? NEEDS COST/CONTACT INFO. REQUEST JOHN FAX ME MSDS AND PER REVIEW WILL CONTACT SOME COMPANIES FOR MGMT OPTIONS. JOHN ~~WILL~~ LOCATE/FAX ME MSDS.

(1) RB REVIEW MSDS & CHARACTERIZE
PER MSDS REVIEW - MERCURY @ 200ppm. OTHER CHEMICALS NOT LISTED HW. PER MISSOURI UW REG, UV BULBS NOT SPECIFIED AS NOT BEING INCLUDED IN UW BULBS AND SHOULD BE ACCEPTABLE TO MANAGE AS UW DUE TO HG (SEE ATTACHED HG UW BULB DEFINITION.

(2) CONTACTED MFG. FROM MSDS AND SOME OTHER COMPANIES FOR ~~MGMT~~ RECYCLING/COST INFO.

(3) (4/3/01, 1:45 OUT) JOHN RARAS. I TOLD HIM I WILL SUMMARIZE AND SEND HIM A MEMO ON SOME MGMT OPTIONS. I ASKED STATUS OF G.G TP WASTE EVALUATION REPORT & WORKSHEETS AND RADIOACTIVE DEVICE INVENTORY. HE SAID NOT FINISHED WASTE TO DO ITEMS AND TODD HELLER TOLD HIM G.G TP NO LONGER USES RADIOACTIVE METERS AND ALL THE OLD ONES HAVE BEEN TRANSFERRED OFF SITE. LET JOHN KNOW WHEN TO MEET HIM FOR INSPECTION - WAITING TO HEAR FROM PAUL BEISHER W/ G.G. MAINTENANCE.

~~ACTION TAKEN:~~

RB TO DO
1) GET UV BULB INFO, SUMMARIZE → SEND TO JOHN
2) SET UP G.G. MAINT & TP INSPECTION
FOR RADIOACTIVE DEVICES:
- GET COPY OF TODD'S PAPERWORK FOR HOW THEY MGMT/TRANSFERRED
- DOCUMENT CURRENT DENSITY METER TYPES.

R. Biehl
Signature

Roland - our devices for Bissell (+ the last test results) are attached. For Mark Sloan are the ones responsible.
Ed Cope

Bruce - FYI 7/2/99

TO: Jeff Theerman
Neil Frankenberg
Todd Heller
Ken Gambaro

Neil
Todd
Ed
Ken
Ken

FYI, Respond to request.

FROM: Roland Biehl

DATE: June 16, 1999

SUBJECT: Nuclear Regulatory Commission Interim Enforcement Policy, Federal Register, March 9, 1999, pp. 11508 - 11509.

The Nuclear Regulatory Commission (NRC) has issued a new interim enforcement policy amending its current regulations concerning generally licensed devices, including density meters, containing radioactive byproduct material. Amending 10 CFR Part 31, General Domestic Licenses for Byproduct Material, the new interim enforcement policy encourages applicable facilities to determine if they are in compliance with 10 CFR Part 31.5, which includes the following major existing requirements:

- Device labeling which shows device specifications and identifies the proper operation, servicing, and leak test instructions.
- Radioactive leakage testing, as applicable.
- Maintain records for three years of testing, servicing, disposal and transfer of devices.

For violations which are identified now and which require reporting under the regulation, the NRC normally will not take enforcement action, provided that the facility takes appropriate corrective action. Failure to comply with the interim policy now would result in NRC enforcement when new proposed regulations are adopted. These proposed regulations will provide for more frequent contact between NRC regulators and facilities. The interim policy is anticipated to remain in effect until proposed regulations are finalized. We are aware of some District treatment plants which have density meters that are under NRC's General Licenses.

The NRCs proposed regulations mentioned above were published in the December 2, 1998 Federal Register. When adopted, these regulations would require general licensees to respond to written requests from the NRC to account for devices in their possession and to certify the following information:

- Device identification, such as the manufacturer, model and serial numbers.
- Responsible person(s) for compliance with the regulations.
- Disposition of the devices.
- Location of the devices.

Please provide to the Department of Environmental Compliance a list of devices at your facility which are subject to the NRC general license regulations.

If you have any questions, comments or would like a copy of the Federal Register publication, please call me at 436-8742.

pc: Bernie Rains
John Lodderhose
Bob Zeman
Bruce Litzsinger

TN Technologies

LEAK TEST CERTIFICATION

This is to certify that the product identified below was tested for removable contamination as shown:

Customer:	121800 ST. LOUIS METROPOLITAN SEWER PLANT Bissell Point Treatment Plant 10 E. Grand Avenue St. Louis, MO 63147		
Product:	TN		
Model:	5201	Serial No.:	B1867
Isotope:	Cs-137	Activity:	100 mCi
Source Serial:	GV-3368		
Location:	GBT THICKENER/SLUDGE		
Test Type:	Lab Counting		
Result:	☐ Positive	☑ Negative	< 3.4E-5 uCi
Test Date:	01-99		

This certificate should be maintained as a permanent record of the leak test of this product.

Bill Kitchen
Technical Services Coordinator

2555 North IH35 • P.O. Box 800 • Round Rock, Texas 78680-0800 • Voice: 512-388-9100 • Fax: 512-388-9200
A subsidiary of Thermo Instrument Systems, Inc., a Thermo Electron company

TN Technologies

LEAK TEST CERTIFICATION

This is to certify that the product identified below was tested for removable contamination as shown:

Customer:	121800 ST. LOUIS METROPOLITAN SEWER PLANT Bissell Point Treatment Plant 10 E. Grand Avenue St. Louis, MO 63147		
Product:	TN		
Model:	5201	Serial No.:	B1868
Isotope:	Cs-137	Activity:	100 mCi
Source Serial:	GV-4602		
Location:	GBT THICKENER/SLUDGE		
Test Type:	Lab Counting		
Result:	☐ Positive	☑ Negative	< 3.4E-5 uCi
Test Date:	01-99		

This certificate should be maintained as a permanent record of the leak test of this product.

Bill Kitchen
Technical Services Coordinator

2555 North IH35 • P.O. Box 800 • Round Rock, Texas 78680-0800 • Voice: 512-388-9100 • Fax: 512-388-9200
A subsidiary of Thermo Instrument Systems, Inc., a Thermo Electron company

TN Technologies

LEAK TEST CERTIFICATION

This is to certify that the product identified below was tested for removable contamination as shown:

Customer: 121800
ST. LOUIS METROPOLITAN SEWER PLANT
Bissell Point Treatment Plant
10 E. Grand Avenue
St. Louis, MO 63147

Product: TN

Model: 5203 Serial No.: B215

Isotope: Cs-137 Activity: 2000 mCi

Source Serial: MB-611

Location: Primary Clarifier Influent Tu

Test Type: Lab Counting

Result: ☐ Positive ☑ Negative < 3.4E-5 uCi

Analyzed on: May 14, 1999

This certificate should be maintained as a permanent record of the leak test of this product.

Bill Kitchen
Technical Services Coordinator

2555 North IH-35
P.O. Box 800
Round Rock, TX
78680

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(fax) 512-388-9200

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