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Valero Energy Corporation
(a.k.a. Premcor Refining Group)
4550 Wrangle Hill Road
Delaware City, Delaware 19706
January 13, 2010

CMRR# 7009 0800 0002 2634 2805

U.S. Nuclear Regulatory Commission
11545 Rockville Pike
Rockville MD 20852-2738

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

Ref: 10 CFR 31.5(c)(8)

Dear Director, Office of Federal and State Materials and Environmental management Programs,

Valero Energy Corporation (a.k.a. Premcor Refining Group) is providing the Agency with the required 30 days notification related to transfer of radiation sources pursuant to 10 CFR 31.5(c)(8).

On Friday, December 18, 2009, the radiation sources shown in the attached table were transferred from the Delaware City Refinery to Thermo Process Instruments, a subsidiary of Thermo Fisher Scientific, Inc. for disposal.

The Valero Delaware City Refinery's radioactive material specific license # is 07-28320-01 and its general license # is GL-704526-14

If there are any questions or concerns related to the notification or transfer of ownership feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads 'Todd E. Bretz'.

Todd E. Bretz, CSP
Sr. Safety Engineer

Valero Delaware City Refinery
4550 Wrangle Hill Road
Delaware City, DE 19706

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F3M10

SERIAL NUMBER	MANUFACTURER, MODEL	ISOTOPE	ACTIVITY	TYPE	TRANSFER DATE	LOCATION DEVICE TRANSFERRED FROM	LOCATION DEVICE TRANSFERRED TO
B251	Texas Nuclear 5204	Cs-137	200 mCi	GAMMA	12/18/09	Valero Delaware City Refinery CC Reformer - 42-D-16 Vertical Lock Hopper #2 by elevator 3rd deck (42-LI-347)	Company Receiving: Thermo Process Instruments Location Receiving: 1410 Gillingham Lane Sugar Land, TX 77511 Person Receiving: Michael Fontenot, RSO License of Receiver: Texas RAM License L03524
B250	Texas Nuclear 5204	Cs-137	200 mCi	GAMMA	12/18/09	Valero Delaware City Refinery CC Reformer - 42-D-10 Vertical Lock Hopper #1 south of #2 Hopper 3rd deck(42-LI-307)	Company Receiving: Thermo Process Instruments Location Receiving: 1410 Gillingham Lane Sugar Land, TX 77511 Person Receiving: Michael Fontenot, RSO License of Receiver: Texas RAM License L03524
B192	Texas Nuclear 5178A	Cs-137	50 mCi	GAMMA	12/18/09	Valero Delaware City Refinery CC Reformer - 42-D-15 Vertical Catalyst 4 th deck Surge Hopper (42-LI-340, midway up)	Company Receiving: Thermo Process Instruments Location Receiving: 1410 Gillingham Lane Sugar Land, TX 77511 Person Receiving: Michael Fontenot, RSO License of Receiver: Texas RAM License L03524
B191	Texas Nuclear 5178A	Cs-137	50 mCi	GAMMA	12/18/09	Valero Delaware City Refinery CC Reformer - 42-D-15 Vertical Catalyst 4 th deck Surge Hopper (42-LI-340, top)	Company Receiving: Thermo Process Instruments Location Receiving: 1410 Gillingham Lane Sugar Land, TX 77511 Person Receiving: Michael Fontenot, RSO License of Receiver: Texas RAM License L03524
B249	Texas Nuclear 5204	Cs-137	100 mCi	GAMMA	12/18/09	Valero Delaware City Refinery CC Reformer - 42-D-12 Disengaging Hopper 12th deck (42-LI-349)	Company Receiving: Thermo Process Instruments Location Receiving: 1410 Gillingham Lane Sugar Land, TX 77511 Person Receiving: Michael Fontenot, RSO License of Receiver: Texas RAM License L03524
B430	Texas Nuclear 5204	Cs-137	1000 mCi	GAMMA	12/18/09	Valero Delaware City Refinery CC Reformer - 42-R-1 Reduction Zone of Reactor #1 (42-LI-309)	Company Receiving: Thermo Process Instruments Location Receiving: 1410 Gillingham Lane Sugar Land, TX 77511 Person Receiving: Michael Fontenot, RSO License of Receiver: Texas RAM License L03524
6959GK*	OhmartSH-F1-45	CS-137	50 mCi	GAMMA	12/18/09	Valero Delaware City Refinery Power Plant - Grinding Mill Inlet Chute 81-S- 1003 Mill Mix Tank 81- LE-1016, Power House	Company Receiving: Thermo Process Instruments Location Receiving: 1410 Gillingham Lane Sugar Land, TX 77511 Person Receiving: Michael Fontenot, RSO License of Receiver: Texas RAM License L03524

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6960GK*	OhmartSH-F1-45	CS-137	50 mCi	GAMMA	12/18/09	Valero Delaware City Refinery Power Plant - Grinding Mill Inlet Chute 81-S-2003 Mill Mix Tank 81-LE-2016, Power House	Company Receiving: Thermo Process Instruments Location Receiving: 1410 Gillingham Lane Sugar Land, TX 77511 Person Receiving: Michael Fontenot, RSO License of Receiver: Texas RAM License L03524
72149, 72145, 72711, 72756, 72733, 72734*	Ohmart SHRM-B 6 sources of 30 mCi ea. Common holder.	CS-137	180 mCi	GAMMA	12/18/09	Valero Delaware City Refinery Gasifier – 82-R-1001 Gasifier Quench Chamber 82-LE-1205A, Top, 6 th deck, South	Company Receiving: Thermo Process Instruments Location Receiving: 1410 Gillingham Lane Sugar Land, TX 77511 Person Receiving: Michael Fontenot, RSO License of Receiver: Texas RAM License L03524
62279, 62698, 63032, 62989, 64167, 64166*	Ohmart SHRM-B 6 sources of 30 mCi ea. Common holder.	CS-137	180 mCi	GAMMA	12/18/09	Valero Delaware City Refinery Gasifier – 82-R-1001 Gasifier Quench Chamber 82-LE-1205B, Bottom, 6 th deck, South	Company Receiving: Thermo Process Instruments Location Receiving: 1410 Gillingham Lane Sugar Land, TX 77511 Person Receiving: Michael Fontenot, RSO License of Receiver: Texas RAM License L03524
64864, 65077, 68267, 68609, 68842, 68844*	Ohmart SHRM-B 6 sources of 30 mCi ea. Common holder.	CS-137	180 mCi	GAMMA	12/18/09	Valero Delaware City Refinery Gasifier – 82-R-2001 Gasifier Quench Chamber 82-LE-2205A, Top, 6 th deck, North	Company Receiving: Thermo Process Instruments Location Receiving: 1410 Gillingham Lane Sugar Land, TX 77511 Person Receiving: Michael Fontenot, RSO License of Receiver: Texas RAM License L03524
65888, 67034, 67094, 67089, 67090, 67708*	Ohmart SHRM-B 6 sources of 30 mCi ea. In common holder.	CS-137	180 mCi	GAMMA	12/18/09	Valero Delaware City Refinery Gasifier – 82-R-2001 Gasifier Quench Chamber 82-LE-2205B, Bottom, 6 th deck, North	Company Receiving: Thermo Process Instruments Location Receiving: 1410 Gillingham Lane Sugar Land, TX 77511 Person Receiving: Michael Fontenot, RSO License of Receiver: Texas RAM License L03524
68919, 70142, 70841, 71317, 67100, 67502*	Ohmart SHRM-B 6 sources of 30 mCi ea. Common holder.	CS-137	180 mCi	GAMMA	12/18/09	Gasifier – Syngas Scrubbing – 82-C-1001 Syngas Scrubber 82-LE-1235A, Top, 5½ th deck, South	Company Receiving: Thermo Process Instruments Location Receiving: 1410 Gillingham Lane Sugar Land, TX 77511 Person Receiving: Michael Fontenot, RSO License of Receiver: Texas RAM License L03524
71312, 71836, 71837, 71838, 71839, 71840*	Ohmart SHRM-B 6 sources of 30 mCi ea. Common holder.	CS-137	180 mCi	GAMMA	12/18/09	Valero Delaware City Refinery Gasifier – Syngas Scrubbing – 82-C-1001 Syngas Scrubber 82-LE-1235B, Bottom, 5½ th deck, South	Company Receiving: Thermo Process Instruments Location Receiving: 1410 Gillingham Lane Sugar Land, TX 77511 Person Receiving: Michael Fontenot, RSO License of Receiver: Texas RAM License L03524

SERIAL NUMBER	MANUFACTURER, MODEL	ISOTOPE	ACTIVITY	TYPE	TRANSFER DATE	LOCATION DEVICE TRANSFERRED FROM	LOCATION DEVICE TRANSFERRED TO
71841, 71842, 71843, 71409, 71411, 71412*	Ohmart SHRM-B 6 sources of 30 mCi ea. Common holder.	CS-137	180 mCi	GAMMA	12/18/09	Valero Delaware City Refinery Gasifier – Syngas Scrubbing – 82-C-2001 Syngas Scrubber 82-LE- 2235A, Top, 5½ th deck, North	Company Receiving: Thermo Process Instruments Location Receiving: 1410 Gillingham Lane Sugar Land, TX 77511 Person Receiving: Michael Fontenot, RSO License of Receiver: Texas RAM License L03524
71410, 71414, 71419, 71422, 71897, 71859*	Ohmart SHRM-B 6 sources of 30 mCi ea. Common holder.	CS-137	180 mCi	GAMMA	12/18/09	Valero Delaware City Refinery Gasifier – Syngas Scrubbing – 82-C- 2001, Syngas Scrubber 82-LE2235B, Bottom, 5½ th deck, North	Company Receiving: Thermo Process Instruments Location Receiving: 1410 Gillingham Lane Sugar Land, TX 77511 Person Receiving: Michael Fontenot, RSO License of Receiver: Texas RAM License L03524
60893*	Ohmart SHLG-1-45	CS-137	1000 mCi	GAMMA	12/18/09	Valero Delaware City Refinery Gasifier – Lockhopper – 82-D-1006, Lockhopper Flush Drum 82-LE-1446A, Top, 7 th , South	Company Receiving: Thermo Process Instruments Location Receiving: 1410 Gillingham Lane Sugar Land, TX 77511 Person Receiving: Michael Fontenot, RSO License of Receiver: Texas RAM License L03524
M-3204*	Ohmart SHLG-1-45	CS-137	1000 mCi	GAMMA	12/18/09	Valero Delaware City Refinery Gasifier – Lockhopper – 82-D-1006, Lockhopper Flush Drum 82-LE 1446B, Bottom, 7 th , South	Company Receiving: Thermo Process Instruments Location Receiving: 1410 Gillingham Lane Sugar Land, TX 77511 Person Receiving: Michael Fontenot, RSO License of Receiver: Texas RAM License L03524
M-3724*	Ohmart SHLG-1-45	CS-137	1000 mCi	GAMMA	12/18/09	Valero Delaware City Refinery Gasifier – Lockhopper - 82-D-2006, Lockhopper Flush Drum 82-LE-2446A, Top, 7 th , North	Company Receiving: Thermo Process Instruments Location Receiving: 1410 Gillingham Lane Sugar Land, TX 77511 Person Receiving: Michael Fontenot, RSO License of Receiver: Texas RAM License L03524
M-3726*	Ohmart SHLG-1-45	CS-137	1000 mCi	GAMMA	12/18/09	Valero Delaware City Refinery Gasifier – Lockhopper – 82-D-2006, Lockhopper Flush Drum 82-LE-2446B, Bottom, 7 th , North	Company Receiving: Thermo Process Instruments Location Receiving: 1410 Gillingham Lane Sugar Land, TX 77511 Person Receiving: Michael Fontenot, RSO License of Receiver: Texas RAM License L03524
0363CG	Ohmart SH-F2	CS-137	250 mCi	GAMMA	12/18/09	Valero Delaware City Refinery Power Plant – Grinding Mill Discharge Pump 85- AT-2066-P-1002 Ball Mill Discharge Piping,	Company Receiving: Thermo Process Instruments Location Receiving: 1410 Gillingham Lane Sugar Land, TX 77511 Person Receiving: Michael Fontenot, RSO License of Receiver: Texas RAM License L03524

SERIAL NUMBER	MANUFACTURER, MODEL	ISOTOPE	ACTIVITY	TYPE	TRANSFER DATE	LOCATION DEVICE TRANSFERRED FROM	LOCATION DEVICE TRANSFERRED TO
4606GK	Ohmart SH-F2	CS-137	250 mCi	GAMMA	12/18/09	Valero Delaware City Refinery Power Plant – Grinding Mill Discharge Pump 85-AT-1066-P-2002 Ball Mill Discharge Piping, Ball Mill Building, South	Company Receiving: Thermo Process Instruments Location Receiving: 1410 Gillingham Lane Sugar Land, TX 77511 Person Receiving: Michael Fontenot, RSO License of Receiver: Texas RAM License L03524
0364CG	Ohmart SH-F2	CS-137	250 mCi	GAMMA	12/18/09	Valero Delaware City Refinery Gasifier – Slurry Feed Pump 82-P-1001, Discharge Piping 82-DX-1073, 3 rd Deck, SouthWest, South	Company Receiving: Thermo Process Instruments Location Receiving: 1410 Gillingham Lane Sugar Land, TX 77511 Person Receiving: Michael Fontenot, RSO License of Receiver: Texas RAM License L03524
5421GK	Ohmart SH-F2	CS-137	250 mCi	GAMMA	12/18/09	Valero Delaware City Refinery Gasifier – Slurry Feed Pump 82-P-2001, Discharge Piping 82-DX-2073, 3 rd Deck, SouthWest, North	Company Receiving: Thermo Process Instruments Location Receiving: 1410 Gillingham Lane Sugar Land, TX 77511 Person Receiving: Michael Fontenot, RSO License of Receiver: Texas RAM License L03524
3641CM	Ohmart SH-F1-45	CS-137	50 mCi	GAMMA	12/18/09	Valero Delaware City Refinery Gasifier – Vacuum Flashing Drum - 82-D-1003, 82-LE-1311A, Top, 3 rd , South	Company Receiving: Thermo Process Instruments Location Receiving: 1410 Gillingham Lane Sugar Land, TX 77511 Person Receiving: Michael Fontenot, RSO License of Receiver: Texas RAM License L03524
5261CM	Ohmart SH-F1-45	CS-137	50 mCi	GAMMA	12/18/09	Valero Delaware City Refinery Gasifier – Vacuum Flashing Drum – 82-D1003, 82-LE-1311B, Middle, 3 rd , South	Company Receiving: Thermo Process Instruments Location Receiving: 1410 Gillingham Lane Sugar Land, TX 77511 Person Receiving: Michael Fontenot, RSO License of Receiver: Texas RAM License L03524
6044CM	Ohmart SH-F1-45	CS-137	50 mCi	GAMMA	12/18/09	Valero Delaware City Refinery Gasifier – Vacuum Flashing Drum – 82-D-1003, 82-LE1311C, Bottom, 2 nd , South	Company Receiving: Thermo Process Instruments Location Receiving: 1410 Gillingham Lane Sugar Land, TX 77511 Person Receiving: Michael Fontenot, RSO License of Receiver: Texas RAM License L03524
4534CM	Ohmart SH-F1-45	CS-137	50 mCi	GAMMA	12/18/09	Valero Delaware City Refinery Gasifier – Vacuum Flashing Drum – 82-D-2003, 82-LE-2311A, Top, 3 rd , North	Company Receiving: Thermo Process Instruments Location Receiving: 1410 Gillingham Lane Sugar Land, TX 77511 Person Receiving: Michael Fontenot, RSO License of Receiver: Texas RAM License L03524

SERIAL NUMBER	MANUFACTURER MODEL	ISOTOPE	ACTIVITY	TYPE	TRANSFER DATE	LOCATION DEVICE TRANSFERRED FROM	LOCATION DEVICE TRANSFERRED TO
4536CM	Ohmart SH-F1-45	Cs-137	50 mCi	GAMMA	12/18/09	Valero Delaware City Refinery Gasifier – Vacuum Flashing Drum – 82-D-2003, 82-LE-2311B, Middle, 3 rd , North	Company Receiving: Thermo Process Instruments Location Receiving: 1410 Gillingham Lane Sugar Land, TX 77511 Person Receiving: Michael Fontenot, RSO License of Receiver: Texas RAM License L03524
4541CM	Ohmart SH-F1-45	Cs-137	50 mCi	GAMMA	12/18/09	Valero Delaware City Refinery Gasifier – Vacuum Flashing Drum – 82-D-2003, 82-LE-2311C, Bottom, 2 nd , North	Company Receiving: Thermo Process Instruments Location Receiving: 1410 Gillingham Lane Sugar Land, TX 77511 Person Receiving: Michael Fontenot, RSO License of Receiver: Texas RAM License L03524
M-2783	SHLD-1	Cs-137	50 mCi	Gamma	12/18/09	Valero Delaware City Refinery Coke Handling - Ball Mill Inlet Chute, North 85-TO-2002 Mill Mix Tank 85-LE-2016, Ball Mill Building Elev 120'-0". Source Serial Number - M-2783	Company Receiving: Thermo Process Instruments Location Receiving: 1410 Gillingham Lane Sugar Land, TX 77511 Person Receiving: Michael Fontenot, RSO License of Receiver: Texas RAM License L03524
M-3570	SHLD-1	Cs-137	50 mCi	Gamma	12/18/09	Valero Delaware City Refinery Coke Handling - Ball Mill Inlet Chute, South 85-TO-1002 Mill Mix Tank 85-LE-1016, Ball Mill Building Elev 120'-0". Source Serial Number - M-3570	Company Receiving: Thermo Process Instruments Location Receiving: 1410 Gillingham Lane Sugar Land, TX 77511 Person Receiving: Michael Fontenot, RSO License of Receiver: Texas RAM License L03524
30819	Kay Ray 7063P	Cs-137	500 mCi	GAMMA	12/18/09	Valero Delaware City Refinery Poly Alky; 27-AT-3023 on line 27-2"-HS-087-ATC.(MTD @ Valve Station 27-FV-218, in Alky Spent Acid from 27-D-104 service)	Company Receiving: Thermo Process Instruments Location Receiving: 1410 Gillingham Lane Sugar Land, TX 77511 Person Receiving: Michael Fontenot, RSO License of Receiver: Texas RAM License L03524
S93M1004	Kay Ray 7063P	Cs-137	50 mCi	GAMMA	12/18/09	Valero Delaware City Refinery Poly Alky; Kellog Acid House, N. E. Corner (27-AT-2069 on line 27-4"-HS-50-AT.	Company Receiving: Thermo Process Instruments Location Receiving: 1410 Gillingham Lane Sugar Land, TX 77511 Person Receiving: Michael Fontenot, RSO License of Receiver: Texas RAM License L03524
U2014	Niton XL800 (XRF)	Fe-55 Cd-109	20 mCi 10 mCi	X-Ray	12/18/09	Valero Delaware City Refinery Inspection Department, Building 8, Room 19.	Company Receiving: Thermo Process Instruments Location Receiving: 1410 Gillingham Lane Sugar Land, TX 77511 Person Receiving: Michael Fontenot, RSO License of Receiver: Texas RAM License L03524

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85676K, 85696K	OHMART SHRM-BW	Cs-137	2 x 20 mCi	Gamma	12/18/09	Valero Delaware City Refinery <u>Fluid Coker – 40-S-52</u> <u>Coke Transfer "A" Belt</u>	Company Receiving: Thermo Process Instruments Location Receiving: 1410 Gillingham Lane Sugar Land, TX 77511 Person Receiving: Michael Fontenot, RSO License of Receiver: Texas RAM License L03524