



Ford Motor Company – RIC

May 9, 2016

2101 Village Rd., MD 1049

Dearborn, MI 48121

To: Whom it may concern:

Regarding: Amendment to Materials License 21-35113-01 & request letter (ML16041A497)

This letter is in response to reference control No. 590134 requesting a change to the current license possessed by Ford Motor Company – RIC. Our request was sent on February 10, 2016 had included current license limitations and requested projected use limits for the revised license.

Currently the lab is not in operation but is also not being dismantled nor are we closing out the area of use (aou). Future projected Research and Development (R&D) work is pending the requested change to the license. There is currently no known contamination to the lab and all previously tested materials have been removed from the lab and storage and have been properly disposed of using an approved disposal vendor (see attachments).

If you have any questions, please contact the Radiation Safety Officer at (313)323-1533 between 7am and 3:30pm M-F EST or via e-mail at slarkins@ford.com.

Brian Nottmeier (Director)

A handwritten signature in black ink, appearing to be "BN" followed by a stylized flourish.

Scott Larkins (RSO)

A handwritten signature in black ink, appearing to be "Scott Larkins" in a cursive style.

Taylor, Tiresha

From: Forster, Sara
Sent: Tuesday, May 10, 2016 11:41 AM
To: Taylor, Tiresha
Subject: FW: Ford NRC license amendment
Attachments: Signed change letter.pdf

Thank you for printing this! - Sara

From: Larkins, Scott (S.R.) [mailto:slarkins@ford.com]
Sent: Monday, May 09, 2016 1:05 PM
To: Forster, Sara <Sara.Forster@nrc.gov>
Subject: [External_Sender] Ford NRC license amendment

Sara,

This has bounced back twice to me know. I'm going to send a series of e-mails because I guessing my file is too large for your system.

Scott Larkins

Sr. Safety Engineer
Ford Motor Company - Research & Innovation Center
2101 Village Rd, MD 1049
Dearborn, MI 48121
Desk: 313-323-1533
Cell: 313-790-2726
Fax: 313-337-1810
CL, FCC, GTL, Norwood Annex, Palo Alto, RIC
slarkins@ford.com



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|--|--|------------------------------------|--|---|--|---|--|--|--|--|--|--------------------------|--|--|--|---|--|
| FORM 540 UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST SHIPPING PAPER | | ADCO SERVICES, INC. | | 5. SHIPPER -- NAME AND FACILITY FORD MOTOR COMPANY /FOR THE ACCT OF ADCO SERVICES 20000 ROTUNDA DRIVE DEARBORN, MI 48124 | | SHIPPER I.D. NUMBER 62162 <input type="checkbox"/> COLLECTOR <input type="checkbox"/> PROCESSOR | | 7. FORM 540 AND 540A PAGE 1 OF 1 1 PAGE(S) FORM 541 AND 541A 1 PAGE(S) FORM 542 AND 542A 1 PAGE(S) ADDITIONAL INFORMATION None PAGE(S) | | 8. MANIFEST NUMBER (Use this number on all continuation pages) 15-0035 L | | | | | | | |
| 1. EMERGENCY TELEPHONE NUMBER (Include Area Code) 734-462-4100 | | | | T-JL003-L15 SHIPMENT NUMBER 15-0035 L | | <input checked="" type="checkbox"/> GENERATOR TYPE (Specify) 1 | | 9. CONSIGNEE - Name and Facility ENERGY SOLUTIONS BEAR CREEK OPERATIONS 1560 BEAR CREEK ROAD OAK RIDGE, TN 37830 | | CONTACT DONNIE BRACKET TELEPHONE (Include Area Code) 865-220-1526 DATE | | | | | | | |
| 2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | | | | 3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST 3 | | 6. CARRIER -- Name and Address Adcom Express, Inc. 17650 Duval Drive Tinley Park, IL 60477 | | EPA I.D. NUMBER ILD 047267364 SHIPPING DATE 06/24/2015 TELEPHONE (Include Area Code) 708-429-3013 Ext:16 DATE 6/23/15 | | SIGNATURE -- Authorized consignee acknowledging waste receipt _____ | | | | | | | |
| 4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO If "Yes," provide Manifest Number =====> | | | | EPA MANIFEST NUMBER =====> | | CONTACT PLACARDS OFFERED JAMES BELL SIGNATURE -- Authorized carrier acknowledging waste receipt _____ | | 10. CERTIFICATION This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state regulations. | | AUTHORIZED SIGNATURE _____ TITLE ENVR. ENGR DATE 6/23/15 | | | | | | | |
| 11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and any additional information) | | 12. DOT LABEL "RADIOACTIVE" | | 13. TRANSPORT INDEX | | 14. PHYSICAL AND CHEMICAL FORM | | 15. INDIVIDUAL RADIONUCLIDES | | 16. TOTAL PACKAGE ACTIVITY MBq mCi | | 17. LSA/SCO CLASS | | 18. TOTAL WEIGHT OR VOLUME (Use appropriate units) | | 19. IDENTIFICATION NUMBER OF PACKAGE | |
| UN 2910, Radioactive material, excepted package-limited quantity of material, 7 | | NA RADIOACTIVE YELLOW II | | NA SOLID | | NON-COMPACTIBLE METAL TAPPITS | | Co-57 | | 1.4000E+02 4.0000E+00 | | NA | | 40 LBS; 1 FT3 | | 15-0035-01 | |
| UN 2910, Radioactive material, excepted package-limited quantity of material, 7 | | NA | | NA | | SOLID RAGS | | Co-57 | | 3.7000E+01 1.0000E+00 | | NA | | 200 LBS; 7.5 FT3 | | 15-0035-02 | |
| UN 2910, Radioactive material, excepted package-limited quantity of material, 7 | | NA | | NA | | LIQUID USED OIL | | Co-57 | | 3.7000E+01 1.0000E+00 | | NA | | 400 LBS; 7.5 FT3 | | 15-0035-03 | |
| 20. Check appropriate items: Customer represents and warrants that all data set forth in this Uniform Low-Level Radioactive Manifest is true and correct in all respects. Packages listed as "Limited Quantity of Radioactive Material" on this manifest conform to the conditions and limitations specified in 49 CFR 173.421 for radioactive material, excepted package-limited quantity of material UN2910 (Definition of Radioactive Material). These Materials Must still be disposed of at a licensed facility. | | | | | | | | | | | | | | | | | |

FORM 541

ADCO SERVICES, INC.

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

CONTAINER AND WASTE DESCRIPTION

Additional Nuclear Regulatory Commission (NRC) Requirements for Control, Transfer and Disposal of Radioactive Waste

NUMBER OF PACKAGES/ DISPOSAL CONTAINERS

NET WASTE VOLUME

NET WASTE WEIGHT

3

m3 0.4531

kg 276.6914

13

16.0000

lb 610.0000

1. MANIFEST TOTALS

SPECIAL NUCLEAR MATERIAL (grams)

U-233

U-235

Pu

Total

NP

NP

NP

NP

2. MANIFEST NUMBER

15-0035 L

3. PAGE 1 OF 1 PAGE(S)

4. SHIPPER NAME

FORD MOTOR COMPANY

SHIPMENT ID NUMBER

62152

DISPOSAL CONTAINER DESCRIPTION

5. CONTAINER IDENTIFICATION NUMBER/ S.C. TRANSPORT PERMIT NUMBER

6. CONTAINER DESCRIPTION (See Note 1 & Note 1A)

7. VOLUME (m3) (R3)

8. WASTE AND CONTAINER WEIGHT (kg) (lb)

9. SURFACE RADIATION LEVEL (mSv/hr) (mrem/hr)

10. SURFACE CONTAMINATION (MBq/100 cm2) (dpm/100cm2)

11. WASTE DESCRIPTION (See Note 2 & Note 2A)

12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3) (FT3)

13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3 & Note 3A)

14. CHEMICAL DESCRIPTION

15. RADIOLOGICAL DESCRIPTION

16. WASTE CLASSIFICATION

| | | | | | | | | | | | | | | | |
|------------------|---|--------|----------|------------|----|----|----------------------------|--------|-----|--------------------------------|---|----------|------------|------------|----|
| 15-0035-01/02152 | 3 | 0.0283 | 4.6000 | 4.0000E-04 | NP | NP | 50-NONCOMPACTIBLE METAL H. | 0.0283 | 400 | NON-COMPACTIBLE METAL TARISSAN | 0 | Co-57 | 1.4000E+02 | 4.0000E+00 | NA |
| | | 1.0000 | 10.0000 | 4.0000E-02 | NP | NP | | 1.0000 | 400 | | 0 | Subtotal | 1.4000E+02 | 4.0000E+00 | |
| | | | | | | | | | | | 0 | Total | 1.4000E+02 | 4.0000E+00 | |
| 15-0035-02/62152 | 4 | 0.2124 | 90.7185 | 4.0000E-03 | NP | NP | 39-H | 0.2124 | 62 | RAGS/NP | 0 | Co-57 | 3.7000E+01 | 1.0000E+00 | NA |
| | | 7.5000 | 200.0000 | 4.0000E-01 | NP | NP | | 7.5000 | 100 | | 0 | Subtotal | 3.7000E+01 | 1.0000E+00 | |
| | | | | | | | | | | | 0 | Total | 3.7000E+01 | 1.0000E+00 | |
| 15-0035-03/62152 | 4 | 0.2124 | 181.4370 | 4.0000E-04 | NP | NP | 24-J | 0.2124 | 100 | USED OIL/NP | 0 | Co-57 | 3.7000E+01 | 1.0000E+00 | NA |
| | | 7.5000 | 400.0000 | 4.0000E-02 | NP | NP | | 7.5000 | 100 | | 0 | Subtotal | 3.7000E+01 | 1.0000E+00 | |
| | | | | | | | | | | | 0 | Total | 3.7000E+01 | 1.0000E+00 | |
| Shipment Totals | | | | | | | | | | | | | 2.2200E+02 | 6.0000E+00 | |

Note 1: Container Description Codes. For containers/ waste requiring disposal in approved structural over-packs the numerical code must be followed by "OP."

1. Wooden Box or Crate

2. Metal Box

3. Plastic Drum or Pail

4. Metal Drum or Pail

5. Metal Tank or Liner

6. Concrete Tank or Liner

7. Polyethylene Tank or Liner

8. Fiberglass Tank or Liner

9. Demineralizer

10. Gas Cylinder

11. Bulk, Unpackaged Waste

12. Unpackaged Components

13. High Integrity Container

Other. Describe in Item 6, or additional page

Note 1A: Barnwell Specific Container Description Codes. (Choose one code as may be applicable.)

A High Integrity Container - Poly

B High Integrity Container - Poly with Steel Shell

C High Integrity Drum Overpack - Poly

D High Integrity Container - Stainless Steel

E High Integrity Container - Fiberglass

F Liner - Steel

Note 2: Waste Descriptor Codes. (Choose up to three which predominate by volume.)

20. Charcoal

21. Incinerator Ash

22. Soil

23. Gas

24. Oil

25. Aqueous Liquid

26. Filter Media

27. Mechanical Filter

28. EPA or State Hazardous

29. Demolition Rubble

30. Cation Ion-exchange Media

31. Anion Ion-exchange Media

32. Mixed Bed Ion-exchange Media

33. Contaminated Equipment

34. Organic Liquid (except oil)

35. Glassware or Labware

36. Sealed Source/Device

37. Paint or Plating

38. Evaporator Bottoms/Sludges/ Concentrates

39. Compactible Trash

40. Noncompactible Trash

41. Animal Carcass

42. Biological Material (except animal carcass)

43. Activated Material

59. Other. Describe in Item 11, or additional page

Note 2A: Barnwell Specific Waste Descriptor Codes. (Choose all applicable codes.)

G Dewatered

H Solid

I Combustible

J Non-combustible

K Air Filtration Filters

L Asbestos

Note 3: Solidification and Stabilization Media Codes. (Choose up to three which predominate by volume.) For media meeting disposal site structural stability requirements, the numerical code must be followed by "S." and the media vendor and brand name must also be identified in Item 13. Code 100=NONE REQUIRED.

90. Cement

91. Concrete

92. Bitumen

93. Vinyl Chloride

94. Vinyl Ester Styrene

99. Other. Describe (encapsulation) in Item 13, or additional page

100. None Required.

Note 3A: Barnwell Specific Solidification and Stabilization Media Codes. (Choose this code if applicable)

M Wax Binder

| FORM 542 | | ADCO SERVICES, INC. | | 1. WASTE COLLECTOR/PROCESSOR | | | | | | 2. MANIFEST NUMBER | | | | | | |
|--|---|---|---|--|---|--|---|----------------------------------|------------|--------------------|----------------------------|------------|-------------------------|---------|-------------------|--|
| UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST <small>MANIFEST INDEX AND REGIONAL COMPACT TABULATION</small> | | | | NAME FORD MOTOR COMPANY | | | SHIPPER USE ONLY | | | 15-0035 L | | | | | | |
| | | | | IDENTIFICATION NUMBER T-4L003-L15 | | | | | | | | | | | | |
| | | | | SHIPPING DATE 6/24/2015 | | | | | | | | | | | | |
| List all original "PROCESSED WASTE" generators (if any) before "COLLECTED WASTE" generators. | | | | 3. PAGE 1 OF 1 PAGE(S) | | | | | | | | | | | | |
| 4. SC TRANSPORT PERMIT NUMBER | 5. GENERATOR NAME AND TELEPHONE NUMBER | 6. GENERATOR FACILITY ADDRESS | 6A. WASTE DESCRIPTION (NOMENCLATURE) | 7. PREPROCESSED WASTE (OR MATERIAL) VOLUME (m3) (ft3) | 8. MANIFEST NUMBER(S) UNDER WHICH WASTE (OR MATERIAL) RECEIVED AND DATE OF RECEIPT | 9. WASTE CODE P = PROCESSED C = COLLECTED | 10. ORIGINATING COMPACT REGION OR STATE | 11. AS PROCESSED/COLLECTED TOTAL | | | | | | | | |
| | | | | | | | | A. SOURCE MATERIAL (kg) (lb) | | B. SNM (g) | C. ACTIVITY (MBq) (mCi) | | D. VOLUME (m3) (ft3) | | E. WEIGHT (lb) | F. MAXIMUM PACKAGE RADIATION LEVEL (mrem/hr) |
| 62152 39 | FORD MOTOR COMPANY 944-459-7042 517-206-1392 KJS | FOR THE ACCT OF ADCO SERVICES 20000 ROTUNDA DRIVE DEARBORN, MI 48124 | NONCOMPACTIBL E METAL | | 15-0035 L Received: 06/24/2015 | C | MI | 0.0000E+00 | 0.0000E+00 | 0.0000E+00 | 2.2200E+02 | 6.0000E+00 | 0.4531 | 15.0000 | 600 | 0.0000E+00 |
| 41A | | | NONCOMPACTIBL E METAL | | | | | | | | | | | | | |
| 24 | | | NONCOMPACTIBL E METAL | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
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| TOTALS OF ALL PAGES (FORMS 542 AND 542A) | | | | | | | | 0.0000E+00 | 0.0000E+00 | 0.0000E+00 | 2.2200E+02 | 6.0000E+00 | 0.4531 | 15.0000 | 610.0000 | N/A |

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST
ISOTOPES REPORT

For Manifest # 15-0035 L
ADCO SERVICES, INC.

| <u>Isotope</u> | Total Activity | |
|----------------|----------------|--------------|
| | <u>(MBq)</u> | <u>(mCi)</u> |
| Co-57 | 2.2200E+02 | 6.0000E+00 |

| | | | | | | | | | | | | | | | |
|--|--|---|--|------------------------|--|-------------------------|--|----------------------------------|--|-------|--|---|--|----|--|
| FORM 541 ADCO SERVICES, INC. | | 1. MANIFEST TOTALS | | | | | | | | | | 2. MANIFEST NUMBER 15-0065 L | | | |
| UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST CONTAINER AND WASTE DESCRIPTION Additional Nuclear Regulatory Commission (NRC) Requirements for Control, Transfer and Disposal of Radioactive Waste | | NUMBER OF PACKAGES/ DISPOSAL CONTAINERS | | NET WASTE VOLUME | | NET WASTE WEIGHT | | SPECIAL NUCLEAR MATERIAL (grams) | | | | 3. PAGE 1 OF 1 PAGE(S) 4. SHIPPER NAME FORD MOTOR COMPANY SHIPMENT ID NUMBER 62152 | | | |
| | | U-233 | | U-235 | | Pu | | Total | | | | | | | |
| | | 1 | | m3 0.0198 0.7000 | | kg 4.5359 10.0000 | | NP | | NP | | | | NP | |
| | | r3 | | lb | | NP | | NP | | NP | | | | NP | |
| | | ACTIVITY | | | | | | | | | | SOURCE (kg) NA NA | | | |
| | | ALL NUCLIDES | | TRITIUM | | C-14 | | Tc-99 | | I-129 | | | | | |
| | | MBq 3.7000E+01 | | NP | | NP | | NP | | NP | | | | | |
| | | mCi 1.0000E+00 | | NP | | NP | | NP | | NP | | | | | |

| DISPOSAL CONTAINER DESCRIPTION | | | | WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER | | | | | | | | | | 16. WASTE CLASSIFICATION AS-Class A Stable AU-Class A Unstable B-Class B C-Class C | | | |
|--|--|---------------------------|---|---|--|------------|--|-----|-----|---|---|------------------------------------|--|--|---|--|----|
| 5. CONTAINER IDENTIFICATION NUMBER/ S.C. TRANSPORT PERMIT NUMBER | 6. CONTAINER DESCRIPTION (See Note 1 & Note 1A) | 7. VOLUME (m3) (r3) | 8. WASTE AND CONTAINER WEIGHT (kg) (lb) | 9. SURFACE RADIATION LEVEL (mSv/hr) (mrem/hr) | 10. SURFACE CONTAMINATION (MBq/100 cm2) (dpm/100cm2) | | 11. PHYSICAL DESCRIPTION (See Note 2 & Note 2A) | | | 12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3) (FT3) | 13. SOLIDIFICATION OR STABILIZATION MEDIA (See Note 3 & Note 3A) | 14. CHEMICAL FORM/ CHELATING AGENT | 15. WEIGHT % CHELATING AGENT IF > 0.1% | | 15. RADIOLOGICAL DESCRIPTION INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT | | |
| | | | | | ALPHA | BETA-GAMMA | RADIONUCLIDES | MBq | mCi | | | | | | | | |
| 15-0065-01/62152 | 3 | 0.0198 0.7000 | 4.5359 10.0000 | 4.0000E-04 4.0000E-02 | NP | NP | 59-NONCOMPACTIBLE METAL-H | | | 0.0198 0.7000 | 100 100 | METAL FOR MELT/NP | 0 | Co-57 Subtotal Total | 3.7000E+01 3.7000E+01 3.7000E+01 | 1.0000E+00 1.0000E+00 1.0000E+00 | AU |
| Shipment Totals | | 0.0198 0.7000 | 4.5359 10.0000 | | | | | | | | | | | 3.7000E+01 | 1.0000E+00 | | |

Note 1: Container Description Codes. For containers/ waste requiring disposal in approved structural over-packs the numerical code must be followed by "OP."

| | |
|-------------------------------|---|
| 1. Wooden Box or Crate | 9. Demineralizer |
| 2. Metal Box | 10. Gas Cylinder |
| 3. Plastic Drum or Pail | 11. Bulk, Unpackaged Waste |
| 4. Metal Drum or Pail | 12. Unpackaged Components |
| 5. Metal Tank or Liner | 13. High Integrity Container |
| 6. Concrete Tank or Liner | 19. Other. Describe in item 6, or additional page |
| 7. Polyethylene Tank or Liner | |
| 8. Fiberglass Tank or Liner | |

Note 1A: Barnwell Specific Container Description Codes. (Choose one code as may be applicable.)

| |
|--|
| A High Integrity Container - Poly |
| B High Integrity Container - Poly with Steel Shell |
| C High Integrity Drum Overpack - Poly |
| D High Integrity Container - Stainless Steel |
| E High Integrity Container - Fiberglass |
| F Liner - Steel |

Note 2: Waste Descriptor Codes. (Choose up to three which predominate by volume.)

| | | |
|----------------------------|----------------------------------|--|
| 20. Charcoal | 29. Demolition Rubble | 38. Evaporator Bottoms/Sludges/ Concentrates |
| 21. Incinerator Ash | 30. Cation Ion-exchange Media | 39. Compressible Trash |
| 22. Soil | 31. Anion Ion-exchange Media | 40. Noncompactible Trash |
| 23. Gas | 32. Mixed Bed Ion-exchange Media | 41. Animal Carcass |
| 24. Oil | 33. Contaminated Equipment | 42. Biological Material (except animal carcass) |
| 25. Aqueous Liquid | 34. Organic Liquid (except oil) | 43. Activated Material |
| 26. Filter Media | 35. Glassware or Labware | 59. Other. Describe in item 11, or additional page |
| 27. Mechanical Filter | 36. Sealed Source/Device | |
| 28. EPA or State Hazardous | 37. Paint or Plating | |

Note 2A: Barnwell Specific Waste Descriptor Codes. (Choose all applicable codes.)

| |
|--------------------------|
| G Dewatered |
| H Solid |
| I Combustible |
| J Non-combustible |
| K Air Filtration Filters |
| L Asbestos |

Note 3: Solidification and Stabilization Media Codes. (Choose up to three which predominate by volume.) For media meeting disposal site structural stability requirements, the numerical code must be followed by "S," and the media vendor and brand name must also be identified in item 13. Code 100=NONE REQUIRED.

| | |
|--------------------|--|
| 90. Cement | 94. Vinyl Ester Styrene |
| 91. Concrete | 99. Other. Describe (encapsulation) in item 13, or additional page |
| 92. Bitumen | |
| 93. Vinyl Chloride | 100. None Required. |

Note 3A: Barnwell Specific Solidification and Stabilization Media Codes. (Choose this code if applicable)

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| M Wax Binder |
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| FORM 542 | | ADCO SERVICES, INC. | | 1. WASTE COLLECTOR/PROCESSOR | | | | | | 2. MANIFEST NUMBER | | | | | | |
|---|--|---|--------------------------------------|--|--|---|---|----------------------------------|------------|------------------------|-------------------------|------------|----------------------|--------|----------------|--|
| UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST <small>MANIFEST INDEX AND REGIONAL COMPACT TABULATION</small> List all original "PROCESSED WASTE" generators (if any) before "COLLECTED WASTE" generators. | | | | NAME | | | SHIPPER USE ONLY | | | 15-0065 L | | | | | | |
| | | | | FORD MOTOR COMPANY | | | | | | | | | | | | |
| | | | | IDENTIFICATION NUMBER | | | T-IL003-L15 | | | 3. PAGE 1 OF 1 PAGE(S) | | | | | | |
| | | | | SHIPPING DATE | | | 11/24/2015 | | | | | | | | | |
| 4. SC TRANSPORT PERMIT NUMBER | 5. GENERATOR NAME AND TELEPHONE NUMBER | 6. GENERATOR FACILITY ADDRESS | 6A. WASTE DESCRIPTION (NOMENCLATURE) | 7. PREPROCESSED WASTE (OR MATERIAL) VOLUME (m3) (R3) | 8. MANIFEST NUMBER(S) UNDER WHICH WASTE (OR MATERIAL) RECEIVED AND DATE OF RECEIPT | 9. WASTE CODE P = PROCESSED C = COLLECTED | 10. ORIGINATING COMPACT REGION OR STATE | 11. AS PROCESSED/COLLECTED TOTAL | | | | | | | | |
| | | | | | | | | A. SOURCE MATERIAL (kg) (lb) | | B. SNM (g) | C. ACTIVITY (MBq) (mCi) | | D. VOLUME (m3) (ft3) | | E. WEIGHT (lb) | F. MAXIMUM PACKAGE RADIATION LEVEL (mrem/hr) |
| 62152 41A | FORD MOTOR COMPANY 517-206-1382 | FOR THE ACCT OF ADCO SERVICES 20000 ROYAL DRIVE DEARBORN, MI 48124 <i>1601 Village Road</i> <i>ITS 11/24/15</i> | NONCOMPACTIBLE METAL | | 15-0065 L Received: 11/24/2015 | C | MI | 0.0000E+00 | 0.0000E+00 | 0.0000E+00 | 3.7000E+01 | 1.0000E+00 | 0.0198 | 0.7000 | 10 | 0.0000E+00 |
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| TOTALS OF ALL PAGES (FORMS 542 AND 542A) | | | | | | | | 0.0000E+00 | 0.0000E+00 | 0.0000E+00 | 3.7000E+01 | 1.0000E+00 | 0.0198 | 0.7000 | 10.0000 | N/A |

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST
ISOTOPES REPORT

For Manifest # 15-0065 L
ADCO SERVICES, INC.

| <u>Isotope</u> | Total Activity | |
|----------------|----------------|------------|
| | (MBq) | (mCi) |
| Co-57 | 3.7000E+01 | 1.0000E+00 |

Radiation Chain of Custody

| Date | Name of Material(s) Transferred | Storage from Location | Storage to Location | Name from (print) | Name from (sign) | Name to (print) | Name to (sign) |
|----------|------------------------------------|--------------------------|-------------------------------|-------------------|------------------|-----------------|----------------|
| 11/9/14 | metal shims + tubes | 1616 | 1422 | Scott Larkin | Scott L. | Rob Zdrodowski | Rob Zdro |
| 12/9/14 | 7 shims / 7 tappets | 1616 ¹⁴²² | 1616 | Rob Zdrodowski | RZdro | Scott Larkin | Scott L. |
| 12/9/14 | 4 fols | 1616 ¹⁴²² | 1616 | Rob Zdrodowski | RZdro | Scott Larkin | Scott L. |
| / / | / / / / / | / / / | / / / | / / / / / | / / / / / | / / / / / | / / / / / |
| 12/12/14 | 2 Lobs / 7 tappets | 1616 | 1422 | Scott Larkin | Scott L. | Rob Zdrodowski | RZdro |
| 12/12/14 | 2 fols | 1616 | 1422 | Scott Larkin | Scott L. | Rob Zdrodowski | RZdro |
| 11/23/15 | 7 tubes / 7 tappets | 1422 | 1616 | Rob Zdrodowski | Rob Zdro | Scott Larkin | Scott L. |
| 11/24/15 | above listed | 1616 | Disposal | Scott Larkin | Scott L. | Kevin Smith | Kevin |
| 11/24/15 | above listed | 1616 | Disposal / Recycling facility | Kevin Smith | Kevin | Jim Bell | Jim Bell |
| 11/24/15 | | | | | | | |
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