

INDEX -- SECTION VI

RECEIVING, SHIPPING AND TRANSPORTING OF
IRIDIUM 192 SOURCES AND EMPTY CONTAINERS

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RADIATION ADMINISTRATIVE CONTROL
OPERATING & EMERGENCY PROCEDURES**1.0** SCOPE

This procedure describes how and when the specific individual shipping and receiving procedures of Section VI of this Manual are to be employed. The transportation of radioactive materials as governed by the rules and regulations of the U.S. Nuclear Regulatory Commission, 10 CFR, Part 71, and the U.S. Department of Transportation, 49 CFR, Parts 170 through 189 and Part 397.

2.0 RESPONSIBILITIES

- 2.1 It is the responsibility of the RSO (Radiation Safety Officer) at the Foster Wheeler temporary construction sites to assure that the procedure detailed in this section are followed without deviation.
- 2.2 It is the responsibility of the Corporate RSO to establish prior to transfer of radioactive materials to construction sites, that qualified personnel are at the construction site and that the radioactive material licenses are current where the shipment is to be received.
- 2.3 It is the responsibility of the supplier of by-product materials to ship radioisotopes to Foster Wheeler Constructors Incorporated construction sites in approved containers and in accordance with all applicable rules and regulations.
- 2.4 It is the responsibility of common or contract carriers, including air carriers, to assume the responsibility for adherence to Federal and State rules and regulations governing the transportation of radioactive materials whenever radioactive materials are in their possession under a shipping contract with the Foster Wheeler Constructors Incorporated.
- 2.5 It is the responsibility of the Foster Wheeler employee assigned to transport radioactive materials in any vehicle under the control of the Foster Wheeler Constructors Inc. to comply with these procedures without deviation.

3.0 LIMITATIONS

This section covers the shipping and receiving of Iridium 192 sources up to fifty (50) curies, Ytterbium 169 sources, and empty Tech/Ops Models 650 and 660 source containers for domestic ground transportation only. Cobalt 60 shipments will be made in accordance with specific instructions received from the Corporate R.S.O. for each of these individual instances. Ytterbium 169 sources will be shipped and received in accordance with the Iridium 192 Procedures of this Section, with any necessary changes incorporated.

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NOTE: The Quality Assurance/Quality Control office shall be contacted for specific instructions for any type of source or empty container shipment or receipt not covered by this Section.

4.0 DEFINITIONS OF TERMS

- 4.1 Carrier Only - means that the trucking company or cargo airline representative comes to the jobsite or plant to pick up or deliver your shipment.
- 4.2 FWCI Only - means a source or camera transfer between FWCI field sites that involves FWCI personnel and FWCI vehicles only (outside trucking company or airline not involved in shipment at any time).
- 4.3 Delivery to Carrier - means a shipment where the article being shipped is taken to the trucker's or airline's terminal for transport in an FWCI vehicle by FWCI personnel.
- 4.4 Pick up from Carrier - means a shipment where FWCI personnel have to go to the trucker's or airline's terminal in an FWCI vehicle in order to pick up the article to be received.
- 4.5 FWCI vehicle - means any motor vehicle owned or leased by Foster Wheeler Constructors Inc., or any private motor vehicle (such as an automobile) operated by an FWCI employee while that employee is engaged in activities related to his job.

5.0 USE OF SHIPPING AND RECEIVING PROCEDURES

Iridium 192 Sources and empty containers (T/O 650 and 660) shall be shipped and received in accordance with the applicable procedure as indicated by the Procedure Selection Chart on Page 4 of this Procedure. This chart is divided into four (4) general categories which are defined in Paragraph 4.0 of this procedure. Use the procedure number that is at the intersection of the columns that describe the type of shipment or receipt to be made. Only one (1) Procedure will apply to any given shipment or receipt.

NOTE: The transfer of any radioactive materials or radiographic exposure devices between construction sites is strictly prohibited without the express authorization of the Corporate Radiation Safety Officer.

CAUTION

CAUTION

Over-labeling source containers and/or transporting vehicles is considered as undesirable as under-labeling the same.

No source containers or crates bearing Radioactive Yellow-III shipping labels shall be transported on FWCI vehicles at any time.

5.1 Personnel Monitoring Devices shall be used by radiographic personnel as identified in 5.2 in conjunction with procedures described in Section VI, procedures 51, 52, 53, 54, 60, 61, 62 and 63.

5.2 Personnel Monitoring Devices:

- A) Thermoluminescent Dosimeter (TLD) Badge
(Section II, Procedure 2)
- B) Pocket Dosimeter
Charging/Zero (Section II, Procedure 1)
Calibration (Section II, Procedure 34)
- C) Survey Meter
Meter Description/Calibration (Section III, Procedure 13).

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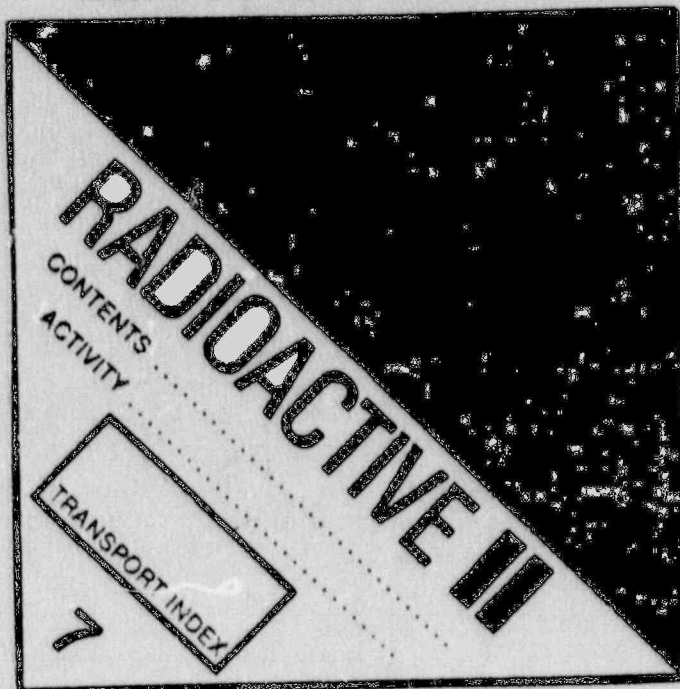
PROCEDURE SELECTION CHART

<u>CARRIER ONLY</u>	WITH SOURCE	EMPTY
SHIPPING - USE PROCEDURE NO.	51	53
RECEIVING - USE PROCEDURE NO.	60	62
<u>FWCI ONLY</u>	WITH SOURCE	EMPTY
SHIPPING - USE PROCEDURE NO.	52	54
RECEIVING - USE PROCEDURE NO.	60	62
<u>DELIVERY TO CARRIER</u>	WITH SOURCE	EMPTY
SHIPPING - USE PROCEDURE NO.	52	54
<u>PICKUP FROM CARRIER</u>	WITH SOURCE	EMPTY
RECEIVING - USE PROCEDURE	61	63

FIGURE 1
"RADIOACTIVE WHITE - 1" LABEL

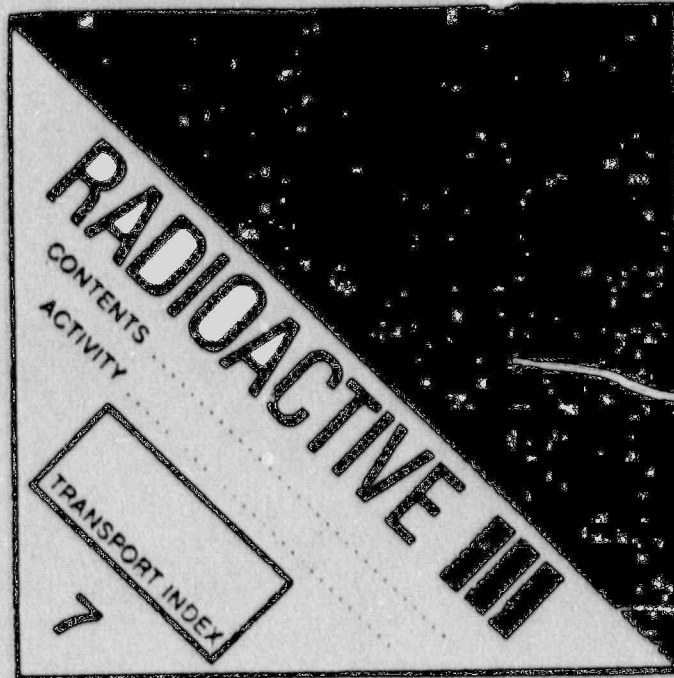


FIGURE II
"RADIOACTIVE YELLOW - II" LABEL



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FIGURE
"RADIOACTIVE YELLOW - III" LABEL



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PROCEDURE 51

- 51.1 Secure the source in the 650 Source Changer (See Procedure 28) or the 660 Exposure device (See Procedure 15 of Section II).
- 51.2 Attach security seals and compress with the "FWCI" lead seal press.
- 51.3 The 650 Source Changer will be shipped uncrated. The 660 Exposure Device will be crated as follows:
- A) The Exposure Device will be placed in a wooden crate or steel box (minimum outside dimensions - 12" high x 16" long x 9" wide) and blocked in the center of the steel box or crate to prevent shifting during transit.
 - B) The crate or box will be securely closed to prevent loss or shifting of the contents. It shall be strong enough to survive under conditions normally incident to transportation, such as being dropped or roughly handled.
 - C) Each package will have some type of sealing device, which is not readily breakable and which, while intact will be evidence that the package has not been illicitly opened. For a metal box with a locking mechanism, this sealing device will be a lead wire security seal compressed with the "FWCI" seal press. For a wooden crate, the sealing device could be two tightened steel shipping bands encircling the box in two directions, each with a steel-stamped serialized identification.
 - D) The following will be marked on the outside surface of the box or crate (NOTE - lettering must be at least 1/2" high):

"RADIOACTIVE MATERIAL - SPECIAL FORM, N.O.S. UN 2974"
"INSIDE PACKAGE COMPLIES WITH NRC PACKAGE ID
#USA/9033/B" (U)
- 51.4 Two (2) "Radioactive" Shipping Labels will be affixed to opposite sides of the Container (for 650) or crate (for 660) based on the radiation levels of the outside package surface and at one (1) meter from the surface according to the following table (both readings will apply):

LABEL DESIGNATION	MR/HR AT ANY & ALL SURFACE POINTS	MR/HR AT ONE (1) METER FROM SURFACE
RADIOACTIVE WHITE - I	0.5 OR LESS	0
RADIOACTIVE YELLOW - II	50 OR LESS	1.0 OR LESS
RADIOACTIVE YELLOW - III	200 OR LESS	10 OR LESS

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The radiation levels will be determined by using a calibrated survey instrument. (See Figures 1, 2 and 3 of Procedure 50 for label identification).

- 51.5 Be certain to remove any traces of old labels.
- 51.6 "Iridium 192", the number of curies on the day of shipment, and the Transport Index (radiation level at one (1) meter from the surface) shall be indicated in the spaces provided on the labels.
- 51.7 The following information will be indicated on the shipping papers:
- A) "RADIOACTIVE MATERIAL-SPECIAL FORM, N.O.S. NA 2974-IRIDIUM 192".
 - B) Curie strength
 - C) Label type (from Paragraph 51.4) above) required
 - D) Source serial number.
 - E) Container model number and serial number
 - F) The following statement -- "This is to certify that the above 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."
 - G) Signature of Site RSO
 - H) Date of shipment
 - I) Serialized identification of outside security seal
 - J) Transport index
 - K) (For 650) "NRC Package ID #USA/9032/B" (U)
(For 660) "Inside Package complies with NRC Package ID #USA/9033/B" (U)
- 51.8 A copy of the shipping papers will be retained in the radiation safety files and one copy will be forwarded to the Quality Assurance/Quality Control office (Corporate R.S.O. Files).
- 51.9 The following information will be recorded on Form H, "Source Receipt and Shipment Record":
- A) Description of source shipment (shipment (either "sent to T/O for disposal" or "transferred to another Fw location").

NOTE: Do Not mark shipping papers "for disposal"

- A) Date shipped
- B) Date shipped
- C) Shipping container model number
- D) Shipping container serial number
- E) Source type
- F) Source serial number
- G) Source strength
- H) MR/HR at package surface and at one (1) meter
- I) Initials of Site RSO

51.10 When shipping a source to another Foster Wheeler location, the following will also be observed:

- A) The Site RSO will notify the Site RSO at the destination of the source transfer.
- B) Leak test reports, periodic inspection reports (if applicable), and source decay chart will be forwarded with the source.
- C) If a leak test is due within two weeks from the day of shipment, the leak test will be performed before that particular source is shipped and the report sent with the source.

51.11 When the source receipt from the shipment receiver is returned, a copy will be retained in the radiation safety files and one copy will be forwarded to the Quality Assurance/Quality Control office (Corporate R.S.O. Files).

NOTE: A receipt is required from the consignee for all sources shipped from a jobsite or plant.

PROCEDURE 52

- 52.1 Prepare the 650 source changer or 660 exposure device for shipment in accordance with Procedure 51.
- 52.2 Only "Radioactive White - I" or "Radioactive Yellow - II" shipping labels will be permitted on packages to be transported on FWC vehicles.
- 52.3 The container or crate will be loaded onto the FWC transporting vehicle and properly secured so that it will not shift in transit. It will be locked in some manner to prevent unauthorized removal.

NOTE: If an automobile is used, the package will be secured in the vehicle's trunk.

- 52.4 A radiation survey of the vehicle will be taken to ascertain that the radiation level in the driver/passenger compartment and at 18 inches from any and all outside vehicle surfaces is no more than 2 MR/HR. (Lead or other shielding material shall be added, if necessary, to reduce radiation levels to meet these requirements).
- 52.5 A sticker indicating the following will be affixed to the dashboard of the transporting vehicle such that it is visible from the outside of the vehicle:

CAUTION: THIS VEHICLE CONTAINS RADIOACTIVE MATERIAL. IN CASE OF ACCIDENT, NOTIFY THE CORPORATE R.S.O. QUALITY ASSURANCE/QUALITY CONTROL OFFICE, FOSTER WHEELER CONSTRUCTORS, INC. 9 PEACH TREE HILL ROAD. LIVINGSTON, N.J. 07039 (201) 533-3749/3468.

- 52.6 A calibrated and usable survey instrument will be carried in any vehicle transporting a by-product material.
- 52.7 At least three standard emergency flares or three emergency reflectors shall be placed on the vehicle.
- 52.8 A fire extinguisher having a rating of at least 10 B:C shall be placed on the vehicle where readily accessible if needed.
- 52.9 The driver shall determine that the following items are in proper working condition before a source is transported on a vehicle:
- A) Service and emergency brakes
 - B) Rear-vision mirror
 - C) Horn
 - D) Steering mechanism

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- E) Lighting devices and reflectors
- F) Windshield Wipers
- G) Tires

52.10 Routes shall be chosen which avoid heavily populated areas, tunnels, narrow streets, etc., and which, to the extent possible, minimize time in transit. Interstate highway routes are preferred.

CAUTION: Certain roads, generally state thruways or turnpikes, prohibit the passage of vehicles carrying radioactive materials or require special permits. Entrances to these roadways are posted. No attempt will be made by Foster Wheeler controlled vehicles to use prohibited roads.

- 52.11 The Site RSO, or a qualified and certified radiographer designated by the Site RSO, will accompany the vehicle driver or drive the vehicle himself.
- 52.12 The Site RSO, or designated radiographer, will wear his dosimeter and TLD badges, and bring with him a copy of Procedure 7, Emergency Procedures.
- 52.13 The Site RSO will notify the appropriate personnel as to the route to be taken and the expected time of arrival. In the event that any unusual delay is encountered, the vehicle driver will notify the appropriate personnel and advise them of his revised expected arrival time.
- 52.14 The shipping papers, described in Paragraph 51.7 of Procedure 51, shall be visibly displayed within the immediate reach of the driver of the FWCI transporting vehicle at all times when radioactive materials are on that vehicle.
- 52.15 Upon arrival at the destination, the package will either be presented to the carrier, with the shipping papers from Paragraph 51.7, for further transport (Delivery to carrier) or received in accordance with Procedure 60 of this Section by the Site RSO at the destination (FWCI only).
- 52.16 When the source receipt from the shipment receiver is returned, a copy will be retained in the radiation safety files and one copy will be forwarded to the Quality Assurance/Quality Control office (Corporate R.S.O. files).

NOTES:

1. A receipt is required from the consignee for all sources shipped from a jobsite or plant.

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2. A method to avoid placarding is to place the 650 or 600 exposure device in an overpack or a lead-shielded box secured in the transport vehicle. Radiation levels can be measured at the outside surface of this box to determine the proper shipping label to be applied. A lead-shielded box or overpack will reduce the radiation levels at the outside package in a yellow II therefore no placard is required. The outside box must state: "Inside package complies with prescribed specifications USA/9033/B (U) Type B".

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PROCEDURE 53

- 53.1 The empty container will be secured and sealed, as if a source is being shipped and an "EMPTY" tag attached.
- 53.2 The container will be placed in a wooden crate or metal box (minimum outside dimensions - 2" larger than container dimensions) and blocked in the center of the box or crate to prevent shifting during transit.
- 53.3 The crate or box will be securely closed to prevent a loss or shifting of the contents. It shall be strong enough to survive under conditions normally incident to transportation, such as being dropped or roughly handled.
- 53.4 Each package will have some type of sealing device, which is not readily breakable and which, while intact, will be evidence that the package has not been illicitly opened. For a metal box with a locking mechanism, this sealing device will be a lead wire security seal compressed with the "FWCI" seal press. For a wooden crate, the sealing device could be two tightened steel shipping bands encircling the box in two directions, each with a steel-stamped serialized identification.
- 53.5 Be certain to remove any traces of old shipping labels.
- 53.6 The following information will be indicated on the shipping papers:
- A) "Radiation Device, N.O.S. UN2909 - Exempted Manufactured Article, Depleted Uranium 238".
 - B) "No Label Required"
 - C) (For 650) "6 Millicuries"
(For 660) "5 millicuries"
 - D) Container Model No. and Serial No.
 - E) The following statement -- "This is to certify that the above 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".
 - F) Signature of Site RSO
 - G) Date of shipment

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- H) Serialized identification of outside security seal.
- I) (For 650) "Inside package complies with N.R.C. package I.D. #USA/9032/B" (U)
- (For 660) "Inside package complies with N.R.C. package I.D. #USA/9033/B" (U).
- 53.7 A copy of the shipping papers will be retained in the job or plant radiation files and one copy will be forwarded to the Quality Assurance/Quality Control office (Corporate R.S.O. Files).
- 53.8 When shipping an empty depleted uranium container to another Foster Wheeler location, the RSO will notify the Site RSO at the destination of the container shipment.
- 53.9 When the receipt from the shipment receiver is returned a copy will be retained in the radiation safety files and one copy will be forwarded to the Quality Assurance/Quality Control office (Corporate R.S.O. Files).

NOTE: A receipt is required from the consignee for all empty depleted uranium containers shipped from jobsite.

PROCEDURE 54

54.1 Prepare the empty 650 Source Changer or 660 Exposure Device for shipment in accordance with Procedure 53.

54.2 The box or crate will be loaded onto the FWC1 transporting vehicle and properly secured so that it will not shift in transit. It will be locked in some manner to prevent unauthorized removal.

NOTE: If an automobile is used, the package will be secured in the vehicle's truck.

54.3 A sticker indicating the following will be affixed to the dashboard of the transporting vehicle such that it is visible from the outside of the vehicle:

CAUTION: THIS VEHICLE CONTAINS RADIOACTIVE MATERIAL. IN CASE OF ACCIDENT, NOTIFY THE CORPORATE R.S.O. QUALITY ASSURANCE/QUALITY CONTROL OFFICE FOSTER WHEELER CONSTRUCTORS, INC. 9 PEACH TREE HILL ROAD, LIVINGSTON, N.J. 07039 (201) 533-3749/3468.

54.4 At least three standard emergency flares or three emergency reflectors shall be placed on the vehicle.

54.5 A fire extinguisher having a rating of at least 10 B:C shall be placed on the vehicle where readily accessible if needed.

54.6 The driver shall determine that the following items are in proper working condition:

- A) Service and emergency brakes
- B) Rear-vision mirror
- C) Horn
- D) Steering mechanism
- E) Lighting devices and reflectors
- F) Windshield wipers
- G) Tires

54.7 The Site RSO, or a qualified and certified radiographer designated by the RSO, will accompany the vehicle driver or drive the vehicle himself.

54.8 The Site RSO will notify the appropriate personnel as to the route to be taken and the expected time of arrival. In the event that any unusual delay is encountered, the vehicle driver will notify the appropriate personnel and advise them of his revised expected arrival time.

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- 54.9 The shipping papers, described in Paragraph 53.6 of Procedure 53, shall be visibly displayed within the immediate reach of the driver of the FWC I transporting vehicle at all times when radioactive materials are on that vehicle.
- 54.10 Upon arrival at the destination, the box or crate will either be presented to the carrier, with the shipping papers from Paragraph 53.6, for further transport (delivery to carrier) or received in accordance with Procedure 62 of this Section by the RSO at the destination (FWCI Only).
- 54.11 When the receipt from the shipment receiver is returned, a copy will be retained in the radiation safety files and one copy will be forwarded to the Quality Assurance/Quality Control office (Corporate R.S.O. Files).

NOTE: A receipt is required from the consignee for all empty depleted uranium containers shipped from a jobsite or plant.

PROCEDURE 60

- 60.1 The Site RSO will inform the Receiving Department that a radioactive material delivery is expected.
- 60.2 Upon delivery, the Receiving Department will immediately notify the Site RSO who will then have the package or shipping container forwarded to the source storage area.
- NOTE:** Receiving Department personnel will not break seals or open or unlock source shipping containers or packages.
- 60.3 The RSO will inspect for evidence of unauthorized opening and make a physical survey of the container with a calibrated survey instrument within three hours after the delivery to the plant or construction site (or within 18 hours if the delivery is made after normal working hours).
- 60.4 If the reading at the exterior surface of the package is in excess of 200 MR/HR or at 3 feet from the surface, in excess of 10 MR/HR, the emergency procedure (Procedure 7) will be invoked immediately and the Corporate R.S.O will be notified.
- 60.5 If the radiation levels are within the limits given in Paragraph 60.4, the source may be placed in storage or transferred to an exposure device (See Procedure 28).
- 60.6 The following information will be recorded on Form H, "Source Receipt and Shipment Record":
- A) Description of source receipt (either "received from T/O" or "Transferred from another FW location")
 - B) Date received
 - C) Shipping container model number
 - D) Shipping container serial number
 - E) Source Type
 - F) Source serial number
 - G) Source strength
 - H) MR/HR at container surface and at one (1) meter from the surface
 - I) Initials of Site RSO

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- 60.7 Form H will cover a three-month period starting at a quarterly inventory date, and will be filed with the quarterly inventory record (Form D). A copy of Form H will be forwarded to the Quality Assurance/Quality Control office (Corporate R.S.O. Files).
- 60.8 A copy of the FWCI "Material Receiving Report", showing the source serial number, and a copy of the original shipping papers from the shipper will be retained in the radiation safety files. One copy of each will be forwarded to the Quality Assurance/Quality Control office (Corporate R.S.O Files).
- 60.9 When receiving a source from another Foster Wheeler location, the RSO will send to the Site RSO at the shipment origin a copy of the completed "Material Receiving Report."

PROCEDURE 61

- 61.1 The Site RSO will make arrangements to have the Project Superintendent/QC Manager notified of the source arrival by the carrier at the time of arrival.
- 61.2 The Site RSO will also inform the Project Superintendent/Quality Control Manager that the source arrival is expected.
- 61.3 Upon notification from the carrier, the Project Superintendent/Quality Control Manager will arrange to have the source picked up expeditiously from the terminal.
- 61.4 A calibrated and usable survey instrument will be carried in any vehicle transporting a by-product material.
- 61.5 At least three standard emergency flares or three emergency reflectors shall be placed on the vehicle.
- 61.6 A fire extinguisher having a rating of at least 10 B:C shall be placed on the vehicle where readily accessible if needed.
- 61.7 The driver shall determine that the following items are in proper working condition before a source is transported on a vehicle:
- A) Service and emergency brakes
 - B) Rear-vision mirror
 - C) Horn
 - D) Steering mechanism
 - E) Lighting devices and reflectors
 - F) Windshield wipers
 - G) Tires
- 61.8 The Site RSO, or a qualified and certified radiographer designated by the Site RSO, will accompany the vehicle driver or drive the vehicle himself.
- 61.9 The Site RSO, or designated radiographer, will wear his dosimeter and TLD badge and bring with him a copy of Procedure 7, Emergency Procedures.
- 61.10 The Site RSO will notify the appropriate personnel as to the route to be taken and the expected time of arrival. In the event that any unusual delay is encountered, the vehicle driver will notify the appropriate personnel and advise them of his revised expected arrival time.
- 61.11 Upon arrival at the carrier's terminal, inspect the package received for evidence of unauthorized opening and make a physical survey of the package with a calibrated survey instrument.

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61.12 If the reading at the surface is in excess of 200 MR/HR or, at 3 feet from the surface, in excess of 10 MR/HR, the emergency procedure (Procedure 7) will be invoked immediately and the Corporate R.S.O. will be notified.

61.13 If the radiation levels are within the limits given in Paragraph 61.12, load the package onto the transporting vehicle and properly secure it so that it will not shift in transit. It will be locked in some manner to prevent unauthorized removal.

NOTE: If an automobile is used, the package will be secured in the vehicle's trunk.

61.14 A radiation survey of the vehicle will be taken to ascertain that the radiation level in the driver/passenger compartment and at 18 inches from any and all outside vehicle surfaces is no more than 2 MR/HR. (Lead or other shielding material shall be added, if necessary, to reduce radiation levels to meet these requirements).

61.15 A sticker indicating the following will be affixed to the dashboard of the transporting vehicle such that it is visible from the outside of the vehicle:

CAUTION: THIS VEHICLE CONTAINS RADIOACTIVE MATERIAL. IN CASE OF ACCIDENT, NOTIFY THE CORPORATE R.S.O. - QUALITY ASSURANCE/QUALITY CONTROL OFFICE FOSTER WHEELER CONSTRUCTORS, INC. 9 PEACH TREE HILL ROAD, LIVINGSTON, N.J. 07039 (201) 533-3749/3468.

61.16 Routes shall be chosen which avoid heavily populated areas, tunnels, narrow streets, etc., and which, to the extent possible, minimize time in transit. Interstate highway routes are preferred.

CAUTION: Certain roads, generally state thruways or turnpikes, prohibit the passage of vehicles carrying radioactive materials or require special permits. Entrances to these roadways are posted. No attempt will be made by Foster Wheeler controlled vehicles to enter prohibited roads.

61.17 The shipping papers received with the consignment shall be visibly displayed within the immediate reach of the driver of the FWC1 transporting vehicle at all times when radioactive materials are on that vehicle.

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- 61.18 Upon arrival at the jobsite, the source will be forwarded to the storage area.
- 61.19 The following information will be recorded on Form H, "Source Receipt and Shipment Record".
- A) Description of source receipt (either "Received from T/O" or "Transferred from another FW location")
 - B) Date received
 - C) Shipping container model number
 - D) Shipping container serial number
 - E) Source type
 - F) Source serial number
 - G) Source strength
 - H) MR/HR at container surface and at three feet from the surface.
 - I) Initials of Site RSO
- 61.20 Form H will cover a three-month period starting at a quarterly inventory date, and will be filed with the quarterly inventory record (Form D). A copy of Form H will be forwarded to the Quality Assurance/Quality Control office (Corporate R.S.O. Files).
- 61.21 A copy of the FWCI "Material Receiving Report", showing the source serial number, and a copy of the original shipping papers from the shipper will be retained in the radiation safety files. One copy of each will be forwarded to the Quality Assurance/Quality Control office (Corporate R.S.O. Files).
- 61.22 When receiving a source from another Foster Wheeler location, the Site RSO will send to the Site RSO at the shipment origin a copy of the completed "Material Receiving Report."

PROCEDURE 62

- 62.1 The Site RSO will inform the Receiving Department that a radioactive material delivery is expected.
- 62.2 Upon delivery, the Receiving Department will immediately notify the Site RSO who will then have the package or shipping container forwarded to the source storage area.
- NOTE: Receiving Department personnel will not break seals or open or unlock source shipping containers or packages.
- 62.3 The Site RSO will inspect for evidence of unauthorized opening and damage at his earliest convenience after delivery.
- 62.4 The Site RSO will see to it that the following information is indicated on the FWCI "Material Receiving Report":
- A) Date received
 - B) Shipping container model number
 - C) Shipping container serial number
 - D) Initials of RSO
- 62.5 It is not necessary to make any entries on the current Form H.
- 62.6 When receiving an empty container from another Foster Wheeler location, the Site RSO will send to the Site RSO at the shipment origin a copy of the completed "Material Receiving Report".

PROCEDURE 63

- 63.1 The Site RSO will make arrangements to have the Project Superintendent/ Quality Control Manager notified of the shipment arrival by the carrier at the time of arrival.
- 63.2 The Site RSO will also inform the Project Superintendent/Quality Control Manager that the shipment arrival is expected.
- 63.3 Upon notification from the carrier, the Project Superintendent/ Quality Control Manager will arrange to have the shipment picked up expeditiously from the terminal.
- 63.4 At least three standard emergency flares or three emergency reflectors shall be placed on the vehicle.
- 63.5 A fire extinguisher having a rating of at least 10 B:C shall be placed on the vehicle where readily accessible, if needed.
- 63.6 The driver shall determine that the following items are in proper working condition:
- A) Service and emergency brakes
 - B) Rear-vision mirror
 - C) Horn
 - D) Steering mechanism
 - E) Lighting devices and reflectors
 - F) Windshield Wipers
 - G) Tires
- 63.7 The Site RSO, or a qualified and certified radiographer designated by the Site RSO, will accompany the vehicle driver or drive vehicle himself.
- 63.8 The Site RSO will notify the appropriate personnel as to the route to be taken and the expected time of arrival. In the event that any unusual delay is encountered, the vehicle driver will notify the appropriate personnel and advise them of this revised expected arrival time.
- 63.9 Upon arrival at the carrier's terminal, inspect the package received for evidence of unauthorized opening.
- 63.10 The package will be loaded onto the FWCI transporting vehicle and properly secured so that it will not shift in transit. It will be locked in some manner to prevent unauthorized removal.

NOTE: If an automobile is used, the package will be secured in the vehicle's trunk.

63.11 A sticker indicating the following will be affixed to the dashboard of the transporting vehicle such that it is visible from the outside of the vehicle:

CAUTION: THIS VEHICLE CONTAINS RADIOACTIVE MATERIAL. IN CASE OF ACCIDENT, NOTIFY THE CORPORATE R.S.O. - QUALITY ASSURANCE/QUALITY CONTROL OFFICE FOSTER WHEELER CONSTRUCTORS, INC. 9 PEACH TREE HILL ROAD, LIVINGSTON, N.J. 07039 (201) 533-3749/3468.

63.12 The shipping papers received with the consignment shall be visibly displayed within the immediate reach of the driver of the FWCI transporting vehicle at all times when radioactive materials are on that vehicle.

63.13 Upon arrival at the jobsite, the container will be forwarded to the storage area.

63.14 The Site RSO will see to it that the following information is indicated on the FWCI "Material Receiving Report":

- A) Date received
- B) Shipping container model number
- C) Shipping container serial number
- D) Initials of Site RSO

63.15 It is not necessary to make any entries on the current Form H.

63.16 When receiving an empty container from another Foster Wheeler location, the Site RSO will send to the shipment origin a copy of the completed "Material Receiving Report".

- A) Date received
- B) Shipping container model number
- C) Shipping container serial number
- D) Initials of the Site RSO.

63.15 It is not necessary to make any entries on the current Form H.

63.16 When receiving an empty container from another Foster Wheeler location, the Site RSO will send to the Site RSO at the shipment origin a copy of the completed "Material Receiving Report".