



NorthStar Nuclear Decommissioning Co., LLC
Vermont Yankee Nuclear Power Station
320 Governor Hunt Rd.
Vernon, VT 05354
802-451-5354

Corey R. Daniels
ISFSI Manager

10 CFR 20, Appendix G

BVY 19-029

August 15, 2019

Mr. David C. Lew
Regional Administrator, Region 1
U.S. Nuclear Regulatory Commission
2100 Renaissance Blvd, Suite 100
King of Prussia, PA 19406-2713

SUBJECT: Report of Investigation Pursuant to 10 CFR 20, Appendix G
Vermont Yankee Nuclear Power Station
Docket No. 50-271
License No. DPR-28

Dear Sir or Madam:

This letter documents the results of an investigation performed with respect to four (4) freight containers containing radioactive debris shipped via rail car which exceeded the 20 day time limit for notification of receipt from the disposal facility as specified in 10 CFR Part 20, Appendix G. The investigation was completed on August 5, 2019 and determined that the shipments were traced on a daily basis by the various carriers such as the New England Central Railroad, CSX, Union Pacific (UP), and Texas & New Mexico Railway (TXN), the disposal facility - Waste Control Specialist, and the Vermont Yankee waste operations personnel.

10 CFR 20, Appendix G, "Requirements for Transfers of Low-Level Radioactive Waste Intended for Disposal at Licensed Land Disposal Facilities and Manifests," Section III.A(9) states for any shipments or any part of a shipment for which acknowledgment of receipt has not been received within the times set forth in this appendix, conduct an investigation in accordance with Section III.E of this appendix.

Section III.E states that any shipment or part of shipment for which acknowledgement is not received within the times set forth in this section must:

1. Be investigated by the shipper if the shipper has not received notification or receipt within 20 days after transfer; and
2. Be traced and reported. The investigation shall include tracing the shipment and filing a report with the nearest Commission Regional Office listed in Appendix D to this part. Each licensee who conducts a trace investigation shall file a written report with the appropriate NRC Regional Office within 2 weeks of completion of the investigation.

REC RG 1 08 27 19 AM 06:54

Investigation

On July 11, 2019, one (1) rail car carrying four (4) freight containers was shipped by rail from the NorthStar Vermont Yankee site at 320 Governor Hunt Road in Vernon, Vermont to the Waste Control Specialists disposal facility in Andrews, Texas. The freight containers were packaged with contaminated plant equipment and debris.

The rail car was released to the first railroad carrier (New England Central Railroad) on July 11, 2019. After release from the NorthStar Vermont Yankee site, the rail car was transported for 25 days before the shipment arrived at the Waste Control Specialists disposal facility.

NorthStar Vermont Yankee and Waste Control Specialists receives daily tracking reports from the railroad logistics contractor, I.C.E Service Group, for all waste shipments transported by rail from the NorthStar Vermont Yankee site. The location of the subject shipments were verified and traced until receipt at the destination facility. NorthStar Vermont Yankee and Waste Control Specialists tracked the progress of this shipment through the daily trace reports. At no time was the shipment lost or in an unknown location.

Below is the summary for both rail car shipments that exceeded the time provided in 10 CFR 20, Appendix G. The summary includes the shipment identification number, Rail Car identification (ID) number, shipment date, date of receipt at the Waste Control Specialists (WCS) disposal facility in Andrews, Texas, and the total number of days the shipment was in transit.

Shipment Number	Rail Car ID Number	Date Shipped	Date Received at WCS	Total Days In Transit
TSDf-8982-01	ECXX93268	7/11/2019	8/5/2019	25
TSDf-8892-12		7/11/2019	8/5/2019	

The general issue of rail transit times has been initially documented in Condition Report CR-2019-139; corrective actions, as appropriate, are being tracked in that Condition report.

This letter contains no new regulatory commitments.

Should you have any questions concerning this letter, or require additional information, please contact Mr. Thomas B. Silko at (802) 451-5354, Ext 2506.

Sincerely,



CRD/tbs

cc: Mr. Jack D. Parrott, Senior Project Manager
Office of Nuclear Material Safety and Safeguards
U.S. Nuclear Regulatory Commission
Mail Stop T-5A10
Washington, DC 20555

Ms. June Tierney, Commissioner
Vermont Department of Public Service
112 State Street – Drawer 20
Montpelier, Vermont 05602-2601



NorthStar Nuclear Decommissioning Co., LLC
Vermont Yankee Nuclear Power Station
320 Governor Hunt Rd.
Vernon, VT 05354
802-451-5354

Corey R. Daniels
ISFSI Manager

10 CFR 20, Appendix G

BVY 19-034

October 3, 2019

Mr. David C. Lew
Regional Administrator, Region 1
U.S. Nuclear Regulatory Commission
2100 Renaissance Blvd, Suite 100
King of Prussia, PA 19406-2713

SUBJECT: Report of Investigation Pursuant to 10 CFR 20, Appendix G
Vermont Yankee Nuclear Power Station
Docket No. 50-271
License No. DPR-28

Dear Sir or Madam:

This letter documents the results of an investigation performed with respect to a gondola rail car consisting of three (3) soft sided bags containing contaminated fuel racks which exceeded the 20 day time limit for notification of receipt from the disposal facility as specified in 10 CFR Part 20, Appendix G. The investigation was completed on September 24, 2019 and determined that the shipments were traced on a daily basis by the various carriers such as the New England Central Railroad, CSX, Union Pacific (UP), and Texas & New Mexico Railway (TXN), the disposal facility - Waste Control Specialist, and the Vermont Yankee waste operations personnel.

10 CFR 20, Appendix G, "Requirements for Transfers of Low-Level Radioactive Waste Intended for Disposal at Licensed Land Disposal Facilities and Manifests," Section III.A(9) states for any shipments or any part of a shipment for which acknowledgment of receipt has not been received within the times set forth in this appendix, conduct an investigation in accordance with Section III.E of this appendix.

Section III.E states that any shipment or part of shipment for which acknowledgement is not received within the times set forth in this section must:

1. Be investigated by the shipper if the shipper has not received notification or receipt within 20 days after transfer; and
2. Be traced and reported. The investigation shall include tracing the shipment and filing a report with the nearest Commission Regional Office listed in Appendix D to this part. Each licensee who conducts a trace investigation shall file a written report with the appropriate NRC Regional Office within 2 weeks of completion of the investigation.

REC RG 1 10 11 19 PM 07:05

Investigation

On August 26, 2019, a gondola rail car consisting of three (3) soft sided bags containing contaminated fuel racks departed from the NorthStar Vermont Yankee site at 320 Governor Hunt Road in Vernon, Vermont to the Waste Control Specialists disposal facility in Andrews, Texas.

The rail cars were released to the first railroad carrier (New England Central Railroad) on August 26, 2019. After release from the NorthStar Vermont Yankee site, the rail cars were transported for 24 days before the shipment arrived at the Waste Control Specialists disposal facility.

NorthStar Vermont Yankee and Waste Control Specialists receives daily tracking reports from the railroad logistics contractor, I.C.E Service Group, for all waste shipments transported by rail from the NorthStar Vermont Yankee site. The location of the subject shipment was verified and traced until receipt at the destination facility. NorthStar Vermont Yankee and Waste Control Specialists tracked the progress of this shipment through the daily trace reports. At no time was the shipment lost or in an unknown location.

Below is the summary for the rail car shipment that exceeded the time provided in 10 CFR 20, Appendix G. The summary includes the shipment identification number, Rail Car identification (ID) number, shipment date, date of receipt at the Waste Control Specialists (WCS) disposal facility in Andrews, Texas, and the total number of days the shipment was in transit.


Shipment Number	Rail Car ID Number	Date Shipped	Date Received at WCS	Total Days In Transit
TSDF-8892-15	GACX9994	8/26/2019	9/19/2019	24

The general issue of rail transit times has been initially documented in Condition Report CR-2019-139; corrective actions, as appropriate, are being tracked in that Condition report.

This letter contains no new regulatory commitments.

Should you have any questions concerning this letter, or require additional information, please contact Mr. Thomas B. Silko at (802) 451-5354, Ext 2506.

Sincerely,



CRD/tbs

cc: Mr. Jack D. Parrott, Senior Project Manager
Office of Nuclear Material Safety and Safeguards
U.S. Nuclear Regulatory Commission
Mail Stop T-5A10
Washington, DC 20555

Ms. June Tierney, Commissioner
Vermont Department of Public Service
112 State Street – Drawer 20
Montpelier, Vermont 05602-2601



NorthStar Nuclear Decommissioning Co., LLC
Vermont Yankee Nuclear Power Station
320 Governor Hunt Rd.
Vernon, VT 05354
802-451-5354

Corey R. Daniels
ISFSI Manager

10 CFR 20, Appendix G

BVY 19-038

October 28, 2019

Mr. David C. Lew
Regional Administrator, Region 1
U.S. Nuclear Regulatory Commission
2100 Renaissance Blvd, Suite 100
King of Prussia, PA 19406-2713

SUBJECT: Report of Investigation Pursuant to 10 CFR 20, Appendix G
Vermont Yankee Nuclear Power Station
Docket No. 50-271
License No. DPR-28

Dear Sir or Madam:

This letter documents the results of an investigation performed with respect to the transportation of contaminated material via a gondola rail car consisting of two (2) soft-sided bags of asbestos containing material and two soft-sided bags of trash; one rail tank car containing water; and one gondola rail car consisting of several unpackaged components which exceeded the 20 day time limit for notification of receipt from the disposal facility as specified in 10 CFR Part 20, Appendix G. The investigations which were completed on October 21, 2019, October 21, 2019 and October 22, 2019 respectively, determined that the shipments were traced on a daily basis by the various carriers such as the New England Central Railroad, CSX, Union Pacific (UP), and Texas & New Mexico Railway (TXN), the disposal facilities of Waste Control Specialist and US Ecology, Inc. and the Vermont Yankee waste operations personnel.

10 CFR 20, Appendix G, "Requirements for Transfers of Low-Level Radioactive Waste Intended for Disposal at Licensed Land Disposal Facilities and Manifests," Section III.A(9) states for any shipments or any part of a shipment for which acknowledgment of receipt has not been received within the times set forth in this appendix, conduct an investigation in accordance with Section III.E of this appendix.

Section III.E states that any shipment or part of shipment for which acknowledgement is not received within the times set forth in this section must:

1. Be investigated by the shipper if the shipper has not received notification or receipt within 20 days after transfer; and
2. Be traced and reported. The investigation shall include tracing the shipment and filing a report with the nearest Commission Regional Office listed in Appendix D to this part. Each licensee who conducts a trace investigation shall file a written report with the appropriate NRC Regional Office within 2 weeks of completion of the investigation.

REC RG 11 01 19 0704

Investigation

On August 20, 2019, a gondola rail car consisting of two (2) soft-sided bags of contaminated asbestos containing material and two soft-sided bags of contaminated trash departed from the NorthStar Vermont Yankee site at 320 Governor Hunt Road in Vernon, Vermont to the Waste Control Specialists disposal facility in Andrews, Texas.

On September 4, 2019, one (1) tank rail car containing water (DOT exempt) departed from the NorthStar Vermont Yankee site at 320 Governor Hunt Road in Vernon, Vermont to the US Ecology, Inc. waste disposal facility in Grand View, Idaho.

On September 20, 2019, a gondola rail car consisting of several unpackaged contaminated components departed from the NorthStar Vermont Yankee site at 320 Governor Hunt Road in Vernon, Vermont to the Waste Control Specialists disposal facility in Andrews, Texas.

The rail cars were released to the first railroad carrier (New England Central Railroad) on the dates identified above. After release from the NorthStar Vermont Yankee site, the rail cars were transported for 59, 30 and 27 days respectively before the shipments were received at the designated disposal facilities.

NorthStar Vermont Yankee, Waste Control Specialists, and US Ecology, Inc. receive daily tracking reports from the railroad logistics contractor, I.C.E Service Group, for all waste shipments transported by rail from the NorthStar Vermont Yankee site. The location of the subject shipments were verified and traced until receipt at the destination facility. NorthStar Vermont Yankee, Waste Control Specialists (WCS) and US Ecology, Inc. tracked the progress of these shipments through the daily trace reports. At no time were the shipments lost or in an unknown location.

Below is the summary for the rail shipments that exceeded the time provided in 10 CFR 20, Appendix G. The summary includes the shipment identification number, Rail Car identification (ID) number, shipment date, date of receipt at the waste disposal facility and the total number of days the shipment was in transit.

Shipment Number	Rail Car ID Number	Date Shipped	Date Received at WCS	Total Days In Transit
TSDF-8982-03	ITFX8001	8/20/2019	10/18/2019	59
TSDF-9022-02				

Shipment Number	Rail Car ID Number	Date Shipped	Date Received at US Ecology, Inc.	Total Days In Transit
USE-47992-01	FURX123691	9/4/2019	10/4/2019	30

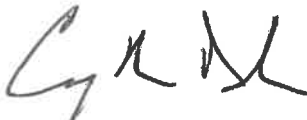
Shipment Number	Rail Car ID Number	Date Shipped	Date Received at WCS	Total Days In Transit
TSDF-8910-07	GACX9992	9/20/2019	10/17/2019	27

The general issue of rail transit times has been initially documented in Condition Report CR-2019-139; corrective actions, as appropriate, are being tracked in that Condition report.

This letter contains no new regulatory commitments.

Should you have any questions concerning this letter, or require additional information, please contact Mr. Thomas B. Silko at (802) 451-5354, Ext 2506.

Sincerely,



CRD/tbs

cc: Mr. Jack D. Parrott, Senior Project Manager
Office of Nuclear Material Safety and Safeguards
U.S. Nuclear Regulatory Commission
Mail Stop T-5A10
Washington, DC 20555

Ms. June Tierney, Commissioner
Vermont Department of Public Service
112 State Street – Drawer 20
Montpelier, Vermont 05602-2601



NorthStar Nuclear Decommissioning Co., LLC
Vermont Yankee Nuclear Power Station
320 Governor Hunt Rd.
Vernon, VT 05354
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Corey R. Daniels
ISFSI Manager

RECRG11113*19#0656

10 CFR 20, Appendix G

BVY 19-039

November 5, 2019

Mr. David C. Lew
Regional Administrator, Region 1
U.S. Nuclear Regulatory Commission
2100 Renaissance Blvd, Suite 100
King of Prussia, PA 19406-2713

SUBJECT: Report of Investigation Pursuant to 10 CFR 20, Appendix G
Vermont Yankee Nuclear Power Station
Docket No. 50-271
License No. DPR-28

Dear Sir or Madam:

This letter documents the results of an investigation performed with respect to the transportation of various contaminated material shipped via 5 different rail cars which exceeded the 20 day time limit for notification of receipt from the disposal facility as specified in 10 CFR Part 20, Appendix G. The investigations, which were completed on October 23, 2019 and November 4, 2019, determined that the shipments were traced on a daily basis by the various carriers such as the New England Central Railroad, CSX, Union Pacific (UP), and Texas & New Mexico Railway (TXN), the disposal facility of Waste Control Specialist and the Vermont Yankee waste operations personnel.

10 CFR 20, Appendix G, "Requirements for Transfers of Low-Level Radioactive Waste Intended for Disposal at Licensed Land Disposal Facilities and Manifests," Section III.A(9) states for any shipments or any part of a shipment for which acknowledgment of receipt has not been received within the times set forth in this appendix, conduct an investigation in accordance with Section III.E of this appendix.

Section III.E states that any shipment or part of shipment for which acknowledgement is not received within the times set forth in this section must:

1. Be investigated by the shipper if the shipper has not received notification or receipt within 20 days after transfer; and
2. Be traced and reported. The investigation shall include tracing the shipment and filing a report with the nearest Commission Regional Office listed in Appendix D to this part. Each licensee who conducts a trace investigation shall file a written report with the appropriate NRC Regional Office within 2 weeks of completion of the investigation.

Investigation

On August 30, 2019, a gondola rail car consisting of seven (7) soft-sided bags of contaminated material departed from the NorthStar Vermont Yankee site at 320 Governor Hunt Road in Vernon, Vermont to the Waste Control Specialists disposal facility in Andrews, Texas.

On September 10, 2019, three (3) gondola rail cars containing a total of five unpackaged contaminated components and nine (9) soft-sided bags of contaminated material departed from the NorthStar Vermont Yankee site at 320 Governor Hunt Road in Vernon, Vermont to the Waste Control Specialists disposal facility in Andrews, Texas.

On September 28, 2019, a gondola rail car consisting of one (1) large custom box containing reactor vessel metal debris departed from the NorthStar Vermont Yankee site at 320 Governor Hunt Road in Vernon, Vermont to the Waste Control Specialists disposal facility in Andrews, Texas.

The rail cars were released to the first railroad carrier (New England Central Railroad) on the dates identified above. After release from the NorthStar Vermont Yankee site, the rail cars were transported for 53, 53 53, 53 and 25 days respectively before the shipments were received at the disposal facility.

NorthStar Vermont Yankee and Waste Control Specialists receive daily tracking reports from the railroad logistics contractor, I.C.E Service Group, for all waste shipments transported by rail from the NorthStar Vermont Yankee site. The location of the subject shipments were verified and traced until receipt at the destination facility. NorthStar Vermont Yankee and Waste Control Specialists (WCS) tracked the progress of these shipments through the daily trace reports. At no time were the shipments lost or in an unknown location.

Below is the summary for the rail shipments that exceeded the time provided in 10 CFR 20, Appendix G. The summary includes the shipment identification number, rail car identification (ID) number, shipment date, date of receipt at the waste disposal facility and the total number of days the shipment was in transit.

Shipment Number	Rail Car ID Number	Date Shipped	Date Received at WCS	Total Days In Transit
TSDf-8982-04	ITFX8002	8/30/2019	10/22/2019	53

Shipment Number	Rail Car ID Number	Date Shipped	Date Received at WCS	Total Days In Transit
TSDf-8910-05	ITFX8000	9/10/2019	11/2/2019	53

Shipment Number	Rail Car ID Number	Date Shipped	Date Received at WCS	Total Days In Transit
TSDF-8910-06	ITFX8010	9/10/2019	11/2/2019	53
TSDF-9022-04				

Shipment Number	Rail Car ID Number	Date Shipped	Date Received at WCS.	Total Days In Transit
TSDF-8982-06	ITFX8011	9/10/2019	11/2/2019	53

Shipment Number	Rail Car ID Number	Date Shipped	Date Received at WCS	Total Days In Transit
CWF-8987-01	KRL600473	9/28/2019	10/23/2019	25

The general issue of rail transit times has been initially documented in Condition Report CR-2019-139; corrective actions, as appropriate, are being tracked in that Condition report.

This letter contains no new regulatory commitments.

Should you have any questions concerning this letter, or require additional information, please contact Mr. Thomas B. Silko at (802) 451-5354, Ext 2506.

Sincerely,



CRD/tbs

cc: Mr. Jack D. Parrott, Senior Project Manager
Office of Nuclear Material Safety and Safeguards
U.S. Nuclear Regulatory Commission
Mail Stop T-5A10
Washington, DC 20555

Ms. June Tierney, Commissioner
Vermont Department of Public Service
112 State Street – Drawer 20
Montpelier, Vermont 05602-2601



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Vermont Yankee Nuclear Power Station
320 Governor Hunt Rd.
Vernon, VT 05354
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Corey R. Daniels
ISFSI Manager

10 CFR 20, Appendix G

BVY 19-041

November 26, 2019

Mr. David C. Lew
Regional Administrator, Region 1
U.S. Nuclear Regulatory Commission
2100 Renaissance Blvd, Suite 100
King of Prussia, PA 19406-2713

SUBJECT: Report of Investigation Pursuant to 10 CFR 20, Appendix G
Vermont Yankee Nuclear Power Station
Docket No. 50-271
License No. DPR-28

Dear Sir or Madam:

This letter documents the results of an investigation performed with respect to the transportation of various contaminated material shipped via 4 different rail cars which exceeded the 20 day time limit for notification of receipt from the disposal facility as specified in 10 CFR Part 20, Appendix G. The investigations, which were completed between the dates of November 13, thru November 25, 2019, determined that the shipments were traced on a daily basis by the various carriers such as the New England Central Railroad, CSX, Union Pacific (UP), and Texas & New Mexico Railway (TXN), the disposal facility of Waste Control Specialist and the Vermont Yankee waste operations personnel.

10 CFR 20, Appendix G, "Requirements for Transfers of Low-Level Radioactive Waste Intended for Disposal at Licensed Land Disposal Facilities and Manifests," Section III.A(9) states for any shipments or any part of a shipment for which acknowledgment of receipt has not been received within the times set forth in this appendix, conduct an investigation in accordance with Section III.E of this appendix.

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1. Be investigated by the shipper if the shipper has not received notification or receipt within 20 days after transfer; and
2. Be traced and reported. The investigation shall include tracing the shipment and filing a report with the nearest Commission Regional Office listed in Appendix D to this part. Each licensee who conducts a trace investigation shall file a written report with the appropriate NRC Regional Office within 2 weeks of completion of the investigation.

REC RG 1 12 10 19 AM 07:01

Investigation

On September 25, 2019, a flat rail car consisting of four (4) containers of contaminated material departed from the NorthStar Vermont Yankee site at 320 Governor Hunt Road in Vernon, Vermont to the Waste Control Specialists disposal facility in Andrews, Texas.

On October 9, 2019, a gondola rail car consisting of eight (8) containers of asbestos containing contaminated material departed from the NorthStar Vermont Yankee site at 320 Governor Hunt Road in Vernon, Vermont to the Waste Control Specialists disposal facility in Andrews, Texas.

On October 28, 2019, a flat rail car consisting of one (1) large custom box containing reactor vessel metal debris departed from the NorthStar Vermont Yankee site at 320 Governor Hunt Road in Vernon, Vermont to the Waste Control Specialists disposal facility in Andrews, Texas.

On October 30, 2019, a flat rail car consisting of one (1) large custom box containing reactor vessel metal debris departed from the NorthStar Vermont Yankee site at 320 Governor Hunt Road in Vernon, Vermont to the Waste Control Specialists disposal facility in Andrews, Texas.

The rail cars were released to the first railroad carrier (New England Central Railroad) on the dates identified above. After release from the NorthStar Vermont Yankee site, the rail cars were transported for 48, 36, 24 and 21 days respectively before the shipments were received at the disposal facility.

NorthStar Vermont Yankee and Waste Control Specialists receive daily tracking reports from the railroad logistics contractor, I.C.E Service Group, for all waste shipments transported by rail from the NorthStar Vermont Yankee site. The location of the subject shipments were verified and traced until receipt at the destination facility. NorthStar Vermont Yankee and Waste Control Specialists (WCS) tracked the progress of these shipments through the daily trace reports. At no time were the shipments lost or in an unknown location.

Below is the summary for the rail shipments that exceeded the time provided in 10 CFR 20, Appendix G. The summary includes the shipment identification number, rail car identification (ID) number, shipment date, date of receipt at the waste disposal facility and the total number of days the shipment was in transit.

Shipment Number	Rail Car ID Number	Date Shipped	Date Received at WCS	Total Days In Transit
TSDF-8982-09	ECXX93268	9/25/2019	11/12/2019	48

Shipment Number	Rail Car ID Number	Date Shipped	Date Received at WCS	Total Days In Transit
TSDF-8982-08	ITFX8012	10/9/2019	11/14/2019	36

Shipment Number	Rail Car ID Number	Date Shipped	Date Received at WCS	Total Days In Transit
CWF-8987-03	KRL500606	10/28/2019	11/21/2019	24

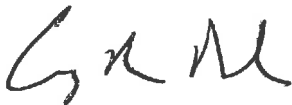
Shipment Number	Rail Car ID Number	Date Shipped	Date Received at WCS	Total Days In Transit
CWF-8987-04	KRL50001	10/30/2019	11/20/2019	21

The general issue of rail transit times has been initially documented in Condition Report CR-2019-139; corrective actions, as appropriate, are being tracked in that Condition report.

This letter contains no new regulatory commitments.

Should you have any questions concerning this letter, or require additional information, please contact Mr. Thomas B. Silko at (802) 451-5354, Ext 2506.

Sincerely,



CRD/tbs

cc: Mr. Jack D. Parrott, Senior Project Manager
Office of Nuclear Material Safety and Safeguards
U.S. Nuclear Regulatory Commission
Mail Stop T-5A10
Washington, DC 20555

Ms. June Tierney, Commissioner
Vermont Department of Public Service
112 State Street – Drawer 20
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