11/27/2018

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE VD 11/27/18

Lonestar Mont Belvieu Frac 2

Area: 01	HRVOC: Yes	Tag: 00331-002
Location: CMPRSR DECK W OF REFRIG KO PV17.027	Service Type: LIGHT LIQUID	Size:0.5
Type: TUBING CONNECTOR	Initial Reading: 772	Equipment: CM12.001
Leak Source: SCREWED CONNECTOR	Inspection Date: 11/13/2018	P&ID:

If repair of a component w/in 7 or 15 days after the leak is detected requires DOR, the following options are available: **(All DOR requirements are outlined in the Procedures for Delay of Repair Document attached to each DOR book)**

Repair could be delayed until the next scheduled process unit S/D provided one of the following criteria are met:

☒ 1. Meet the mass emissions calculation requirements (e.g. emissions from shutdown > cumulative mass emissions from leaking component(s) for which DOR is sought) {S/D STATUS}

☐ 2. "Extraordinary" repair efforts made to repair leak {S/D STATUS}

- ☐ Date of 1st "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____
- ☐ Date of 2nd "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____

(1st effort must be made within 7 days if > 10,000 ppm or 15 days if <= 10,000 ppm)

☐ 2a **Valves Only:** Demonstrate there is a safety, mechanical or major environmental concern posed by repairing the leak of all valves other than PSV's and automatic control valves using "extraordinary" efforts {UNSAFE STATUS}

☐ 3. The component listed above has been **REMOVED FROM VOC/HRVOC SERVICE** When the component is repaired and returned to service the **LDAR TEAM COORDINATOR MUST BE NOTIFIED IMMEDIATELY** to have Component re-monitored. {OHS STATUS}

☐ 4. Re-designing equipment to reduce emissions and/or preparatory work will take longer than anticipated (Pump and Compressor seal upgrades allowed provided the repair is made with regulatory timeframe, i.e. HRVOC within 6 months, VOC during next process unit S/D) {DLY STATUS}

Explanation for Delay of Repair required for criteria 2a, 3 and 4.

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Expected date of repair or process unit shutdown: 11-27-18

Operations Representative: [signature] 11-27-18
Signature Date

LDAR Team Representative: Ufuad D. Bowen 11.27.2018
Signature Date

For EMSI Use Only:

DOR Tag Hung By Technician: [signature] 11.29.18
Signature Date

Instrument ID#: _____ Component Repair Date: _____

EMSI Tech: _____ Component In Service Date: _____

Background Reading: _____ Component Remonitor Date: _____

Repair Method: _____ Remonitor Reading: _____

Start Time: _____ End Time: _____

Resign

8/8/2018

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE

KD 8/8/18

Lonestar Mont Belvieu Frac 2

Area: 01	HRVOC: Yes	Tag: 00580-000
Location: PLATFORM W OF CMPSR12.001	Service Type: LIGHT LIQUID	Size:0.25
Type: SCREWED BLEED VALVE	Initial Reading: 796	Equipment: CM12.001
Leak Source: VALVE PACKING	Inspection Date: 08/02/2018	P&ID:

If repair of a component w/in 7 or 15 days after the leak is detected requires DOR, the following options are available: **(All DOR requirements are outlined in the Procedures for Delay of Repair Document attached to each DOR book)**

Repair could be delayed until the next scheduled process unit S/D provided one of the following criteria are met:

☒ 1. Meet the mass emissions calculation requirements (e.g. emissions from shutdown > cumulative mass emissions from leaking component(s) for which DOR is sought) {S/D STATUS}

☐ 2. "Extraordinary" repair efforts made to repair leak {S/D STATUS}

- ☐ Date of 1st "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____
- ☐ Date of 2nd "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____

(1st effort must be made within 7 days if > 10,000 ppm or 15 days if <= 10,000 ppm)

☐ 2a **Valves Only:** Demonstrate there is a safety, mechanical or major environmental concern posed by repairing the leak of all valves other than PSV's and automatic control valves using "extraordinary" efforts {UNSAFE STATUS}

☐ 3. The component listed above has been **REMOVED FROM VOC/HRVOC SERVICE** When the component is repaired and returned to service the **LDAR TEAM COORDINATOR MUST BE NOTIFIED IMMEDIATELY** to have Component re-monitored. {OHS STATUS}

☐ 4. Re-designing equipment to reduce emissions and/or preparatory work will take longer than anticipated (Pump and Compressor seal upgrades allowed provided the repair is made with regulatory timeframe, i.e. HRVOC within 6 months, VOC during next process unit S/D) {DLY STATUS}

Explanation for Delay of Repair required for criteria 2a, 3 and 4.

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Expected date of repair or process unit shutdown: 8-8-19

Operations Representative: [signature] 8-8-18
Signature Date

LDAR Team Representative: Michael A Bowen 8·8·2018
Signature Date

For EMSI Use Only:

DOR Tag Hung By Technician: [signature] 8-8-18
Signature Date

Instrument ID#: _____ Component Repair Date: _____

EMSI Tech: _____ Component In Service Date: _____

Background Reading: _____ Component Remonitor Date: _____

Repair Method: _____ Remonitor Reading: _____

Start Time: _____ End Time: _____

8/29/2018

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE 1(a) 8/29/18

Lonestar Mont Belvieu Frac 2

Area: 01	HRVOC: Yes	Tag: 00748-000
Location: NW SIDE OF REFRIG KO PV17.027 OVHD	Service Type: LIGHT LIQUID	Size:0
Type: TRANSMITTER	Initial Reading: 1720	Equipment: PV17.027
Leak Source: SCREWED CONNECTOR	Inspection Date: 08/14/2018	P&ID:

If repair of a component w/in 7 or 15 days after the leak is detected requires DOR, the following options are available: **(All DOR requirements are outlined in the Procedures for Delay of Repair Document attached to each DOR book)**

Repair could be delayed until the next scheduled process unit S/D provided one of the following criteria are met:

☑ 1. Meet the mass emissions calculation requirements (e.g. emissions from shutdown > cumulative mass emissions from leaking component(s) for which DOR is sought) {S/D STATUS}

☐ 2. "Extraordinary" repair efforts made to repair leak {S/D STATUS}

- ☐ Date of 1st "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____
- ☐ Date of 2nd "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____

(1st effort must be made within 7 days if > 10,000 ppm or 15 days if <= 10,000 ppm)

☐ 2a **Valves Only:** Demonstrate there is a safety, mechanical or major environmental concern posed by repairing the leak of all valves other than PSV's and automatic control valves using "extraordinary" efforts {UNSAFE STATUS}

☐ 3. The component listed above has been **REMOVED FROM VOC/HRVOC SERVICE** When the component is repaired and returned to service the **LDAR TEAM COORDINATOR MUST BE NOTIFIED IMMEDIATELY** to have Component re-monitored. {OHS STATUS}

☐ 4. Re-designing equipment to reduce emissions and/or preparatory work will take longer than anticipated (Pump and Compressor seal upgrades allowed provided the repair is made with regulatory timeframe, i.e. HRVOC within 6 months, VOC during next process unit S/D) {DLY STATUS}

Explanation for Delay of Repair required for criteria 2a, 3 and 4.

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Expected date of repair or process unit shutdown: 6-1-19

Operations Representative: [signature] 8-29-18
Signature Date

LDAR Team Representative: Michael D Bowen 8·29·2018
Signature Date

For EMSI Use Only:

DOR Tag Hung By Technician: [signature] 8-29-18
Signature Date

Instrument ID#: _____ Component Repair Date: _____

EMSI Tech: _____ Component In Service Date: _____

Background Reading: _____ Component Remonitor Date: _____

Repair Method: _____ Remonitor Reading: _____

Start Time: _____ End Time: _____

6/13/2018

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE 6/13/18

Lonestar Mont Belvieu Frac 2

Area: 01	HRVOC: No	Tag: 00781-000
Location: 25FT S OF REFRIG KO PV17.027	Service Type: LIGHT LIQUID	Size:8
Type: FLANGED PROCESS VALVE	Initial Reading: 1540	Equipment: PV17.027
Leak Source: VALVE PACKING	Inspection Date: 05/31/2018	P&ID:

If repair of a component w/in 7 or 15 days after the leak is detected requires DOR, the following options are available: **(All DOR requirements are outlined in the Procedures for Delay of Repair Document attached to each DOR book)**

Repair could be delayed until the next scheduled process unit S/D provided one of the following criteria are met:

☐ 1. Meet the mass emissions calculation requirements (e.g. emissions from shutdown > cumulative mass emissions from leaking component(s) for which DOR is sought) {S/D STATUS}

☐ 2. "Extraordinary" repair efforts made to repair leak {S/D STATUS}

- ☐ Date of 1st "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____
- ☐ Date of 2nd "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____

(1st effort must be made within 7 days if > 10,000 ppm or 15 days if <= 10,000 ppm)

☐ 2a **Valves Only:** Demonstrate there is a safety, mechanical or major environmental concern posed by repairing the leak of all valves other than PSV's and automatic control valves using "extraordinary" efforts {UNSAFE STATUS}

☐ 3. The component listed above has been **REMOVED FROM VOC/HRVOC SERVICE** When the component is repaired and returned to service the **LDAR TEAM COORDINATOR MUST BE NOTIFIED IMMEDIATELY** to have Component re-monitored. {OHS STATUS}

☐ 4. Re-designing equipment to reduce emissions and/or preparatory work will take longer than anticipated (Pump and Compressor seal upgrades allowed provided the repair is made with regulatory timeframe, i.e. HRVOC within 6 months, VOC during next process unit S/D) {DLY STATUS}

Explanation for Delay of Repair required for criteria 2a, 3 and 4.

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Expected date of repair or process unit shutdown: 6-13-2019

Operations Representative: [signature] 6-13-2018
Signature Date

LDAR Team Representative: [signature] 6-13-2018
Signature Date

For EMSI Use Only:

DOR Tag Hung By Technician: [signature] 6.13.18
Signature Date

Instrument ID#: _____ Component Repair Date: _____

EMSI Tech: _____ Component In Service Date: _____

Background Reading: _____ Component Remonitor Date: _____

Repair Method: _____ Remonitor Reading: _____

Start Time: _____ End Time: _____

2/18/2019

Resign

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE 2/18/19

Lonestar Mont Belvieu Frac 2

Area: 01	HRVOC: No	Tag: 00782-000
Location: 25FT S OF REFRIG KO PV17.027	Service Type: LIGHT LIQUID	Size:8
Type: FLANGED PROCESS VALVE	Initial Reading: 2563	Equipment: PV17.027
Leak Source: VALVE PACKING	Inspection Date: 02/11/2019	P&ID:

If repair of a component w/in 7 or 15 days after the leak is detected requires DOR, the following options are available: **(All DOR requirements are outlined in the Procedures for Delay of Repair Document attached to each DOR book)**

Repair could be delayed until the next scheduled process unit S/D provided one of the following criteria are met:

☑ 1. Meet the mass emissions calculation requirements (e.g. emissions from shutdown > cumulative mass emissions from leaking component(s) for which DOR is sought) {S/D STATUS}

☐ 2. "Extraordinary" repair efforts made to repair leak {S/D STATUS}

- ☐ Date of 1st "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____
- ☐ Date of 2nd "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____

(1st effort must be made within 7 days if > 10,000 ppm or 15 days if <= 10,000 ppm)

☐ 2a **Valves Only:** Demonstrate there is a safety, mechanical or major environmental concern posed by repairing the leak of all valves other than PSV's and automatic control valves using "extraordinary" efforts {UNSAFE STATUS}

☐ 3. The component listed above has been **REMOVED FROM VOC/HRVOC SERVICE** When the component is repaired and returned to service the **LDAR TEAM COORDINATOR MUST BE NOTIFIED IMMEDIATELY** to have Component re-monitored. {OHS STATUS}

☐ 4. Re-designing equipment to reduce emissions and/or preparatory work will take longer than anticipated (Pump and Compressor seal upgrades allowed provided the repair is made with regulatory timeframe, i.e. HRVOC within 6 months, VOC during next process unit S/D) {DLY STATUS}

Explanation for Delay of Repair required for criteria 2a, 3 and 4.

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Expected date of repair or process unit shutdown: 2-18-20

Operations Representative: [signature] 2-18-19
Signature Date

LDAR Team Representative: Michael D. Bowen 2·18·2019
Signature Date

For EMSI Use Only:

DOR Tag Hung By Technician: [signature] 2·18·19
Signature Date

Instrument ID#: _____ Component Repair Date: _____

EMSI Tech: _____ Component In Service Date: _____

Background Reading: _____ Component Remonitor Date: _____

Repair Method: _____ Remonitor Reading: _____

Start Time: _____ End Time: _____

6/7/2018

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE 6/7/18

Lonestar Mont Belvieu Frac 2

Area: 01	HRVOC: No	Tag: 00833-001
Location: 30FT S OF TOWER PV17.001	Service Type: LIGHT LIQUID	Size:0.75
Type: SCREWED CONNECTOR	Initial Reading: 4771	Equipment: PV17.001
Leak Source: SCREWED CONNECTOR	Inspection Date: 05/24/2018	P&ID:

If repair of a component w/in 7 or 15 days after the leak is detected requires DOR, the following options are available: **(All DOR requirements are outlined in the Procedures for Delay of Repair Document attached to each DOR book)**

Repair could be delayed until the next scheduled process unit S/D provided one of the following criteria are met:

☑ 1. Meet the mass emissions calculation requirements (e.g. emissions from shutdown > cumulative mass emissions from leaking component(s) for which DOR is sought) {S/D STATUS}

☐ 2. "Extraordinary" repair efforts made to repair leak {S/D STATUS}

- ☐ Date of 1st "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____
- ☐ Date of 2nd "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____

(1st effort must be made within 7 days if > 10,000 ppm or 15 days if <= 10,000 ppm)

☐ 2a **Valves Only:** Demonstrate there is a safety, mechanical or major environmental concern posed by repairing the leak of all valves other than PSV's and automatic control valves using "extraordinary" efforts {UNSAFE STATUS}

☐ 3. The component listed above has been **REMOVED FROM VOC/HRVOC SERVICE** When the component is repaired and returned to service the **LDAR TEAM COORDINATOR MUST BE NOTIFIED IMMEDIATELY** to have Component re-monitored. {OHS STATUS}

☐ 4. Re-designing equipment to reduce emissions and/or preparatory work will take longer than anticipated (Pump and Compressor seal upgrades allowed provided the repair is made with regulatory timeframe, i.e. HRVOC within 6 months, VOC during next process unit S/D) {DLY STATUS}

Explanation for Delay of Repair required for criteria 2a, 3 and 4.

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Expected date of repair or process unit shutdown: 6-7-19

Operations Representative: [signature] 6-7-18
Signature Date

LDAR Team Representative: Michael D. Bowen 6.7.2018
Signature Date

For EMSI Use Only:

DOR Tag Hung By Technician: [signature] 6.7.18
Signature Date

Instrument ID#: _____ Component Repair Date: _____

EMSI Tech: _____ Component In Service Date: _____

Background Reading: _____ Component Remonitor Date: _____

Repair Method: _____ Remonitor Reading: _____

Start Time: _____ End Time: _____

8/28/2018

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE

(CD) 8/28/18

Lonestar Mont Belvieu FRAC2

Area: 01	HRVOC: No	Tag: 00877-000
Location: 30FT N OF DEPROP KO DRUM 17.017 OVHD	Service Type: LIGHT LIQUID	Size:8
Type: FLANGE	Initial Reading: 1613	Equipment: PV17.017
Leak Source: FLANGE	Inspection Date: 08/13/2018	P&ID:

If repair of a component w/in 7 or 15 days after the leak is detected requires DOR, the following options are available: **(All DOR requirements are outlined in the Procedures for Delay of Repair Document attached to each DOR book)**

Repair could be delayed until the next scheduled process unit S/D provided one of the following criteria are met:

☑ 1. Meet the mass emissions calculation requirements (e.g. emissions from shutdown > cumulative mass emissions from leaking component(s) for which DOR is sought) {S/D STATUS}

☐ 2. "Extraordinary" repair efforts made to repair leak {S/D STATUS}

- ☐ Date of 1st "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____
- ☐ Date of 2nd "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____

(1st effort must be made within 7 days if > 10,000 ppm or 15 days if <= 10,000 ppm)

☐ 2a **Valves Only:** Demonstrate there is a safety, mechanical or major environmental concern posed by repairing the leak of all valves other than PSV's and automatic control valves using "extraordinary" efforts {UNSAFE STATUS}

☐ 3. The component listed above has been **REMOVED FROM VOC/HRVOC SERVICE** When the component is repaired and returned to service the **LDAR TEAM COORDINATOR MUST BE NOTIFIED IMMEDIATELY** to have Component re-monitored. {OHS STATUS}

☐ 4. Re-designing equipment to reduce emissions and/or preparatory work will take longer than anticipated (Pump and Compressor seal upgrades allowed provided the repair is made with regulatory timeframe, i.e. HRVOC within 6 months, VOC during next process unit S/D) {DLY STATUS}

Explanation for Delay of Repair required for criteria 2a, 3 and 4.

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Expected date of repair or process unit shutdown: 6-1-19

Operations Representative: [signature] 8-28-18
Signature Date

LDAR Team Representative: Michael D. Bowen 8.28.2018
Signature Date

For EMSI Use Only:

DOR Tag Hung By Technician: [signature] 8-28-18
Signature Date

Instrument ID#: _____ Component Repair Date: _____

EMSI Tech: _____ Component In Service Date: _____

Background Reading: _____ Component Remonitor Date: _____

Repair Method: _____ Remonitor Reading: _____

Start Time: _____ End Time: _____

5/6/2019

Resign

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE CD 5/6/19

Lonestar Mont Belvieu Frac 2

Area: 01	HRVOC: No	Tag: 00885-000
Location: 30FT N OF DEPROP KO DRUM 17.017	Service Type: LIGHT LIQUID	Size:8
Type: FLANGED PROCESS VALVE	Initial Reading: 974	Equipment: PV17.017
Leak Source: VALVE PACKING	Inspection Date: 04/01/2019	P&ID:

If repair of a component w/in 7 or 15 days after the leak is detected requires DOR, the following options are available: **(All DOR requirements are outlined in the Procedures for Delay of Repair Document attached to each DOR book)**

Repair could be delayed until the next scheduled process unit S/D provided one of the following criteria are met:

☒ 1. Meet the mass emissions calculation requirements (e.g. emissions from shutdown > cumulative mass emissions from leaking component(s) for which DOR is sought) {S/D STATUS}

☐ 2. "Extraordinary" repair efforts made to repair leak {S/D STATUS}

- ☐ Date of 1st "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____
- ☐ Date of 2nd "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____

(1st effort must be made within 7 days if > 10,000 ppm or 15 days if <= 10,000 ppm)

☐ 2a **Valves Only:** Demonstrate there is a safety, mechanical or major environmental concern posed by repairing the leak of all valves other than PSV's and automatic control valves using "extraordinary" efforts {UNSAFE STATUS}

☐ 3. The component listed above has been **REMOVED FROM VOC/HRVOC SERVICE** When the component is repaired and returned to service the **LDAR TEAM COORDINATOR MUST BE NOTIFIED IMMEDIATELY** to have Component re-monitored. {OHS STATUS}

☐ 4. Re-designing equipment to reduce emissions and/or preparatory work will take longer than anticipated (Pump and Compressor seal upgrades allowed provided the repair is made with regulatory timeframe, i.e. HRVOC within 6 months, VOC during next process unit S/D) {DLY STATUS}

Explanation for Delay of Repair required for criteria 2a, 3 and 4.

_____

Expected date of repair or process unit shutdown: 5-6-20

Operations Representative: [signature] 5-6-19
Signature Date

LDAR Team Representative: Michael D. Bowen 5-6-2019
Signature Date

For EMSI Use Only:

DOR Tag Hung By Technician: [signature] 5·6·19
Signature Date

Instrument ID#: _____ Component Repair Date: _____

EMSI Tech: _____ Component In Service Date: _____

Background Reading: _____ Component Remonitor Date: _____

Repair Method: _____ Remonitor Reading: _____

Start Time: _____ End Time: _____

5/23/2018

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE CD 5/23/18

Lonestar Mont Belvieu Frac 2

Area: 01	HRVOC: No	Tag: 00889-001
Location: 30FT N OF DEPROP KO DRUM 17.017	Service Type: LIGHT LIQUID	Size:8
Type: FLANGE	Initial Reading: 9617	Equipment: PV17.017
Leak Source: FLANGE	Inspection Date: 05/09/2018	P&ID:

If repair of a component w/in 7 or 15 days after the leak is detected requires DOR, the following options are available: **(All DOR requirements are outlined in the Procedures for Delay of Repair Document attached to each DOR book)**

Repair could be delayed until the next scheduled process unit S/D provided one of the following criteria are met:

☑ 1. Meet the mass emissions calculation requirements (e.g. emissions from shutdown > cumulative mass emissions from leaking component(s) for which DOR is sought) {S/D STATUS}

☐ 2. "Extraordinary" repair efforts made to repair leak {S/D STATUS}

- ☐ Date of 1st "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____
- ☐ Date of 2nd "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____

(1st effort must be made within 7 days if > 10,000 ppm or 15 days if <= 10,000 ppm)

☐ 2a **Valves Only:** Demonstrate there is a safety, mechanical or major environmental concern posed by repairing the leak of all valves other than PSV's and automatic control valves using "extraordinary" efforts {UNSAFE STATUS}

☐ 3. The component listed above has been **REMOVED FROM VOC/HRVOC SERVICE** When the component is repaired and returned to service the **LDAR TEAM COORDINATOR MUST BE NOTIFIED IMMEDIATELY** to have Component re-monitored. {OHS STATUS}

☐ 4. Re-designing equipment to reduce emissions and/or preparatory work will take longer than anticipated (Pump and Compressor seal upgrades allowed provided the repair is made with regulatory timeframe, i.e. HRVOC within 6 months, VOC during next process unit S/D) {DLY STATUS}

Explanation for Delay of Repair required for criteria 2a, 3 and 4.

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Expected date of repair or process unit shutdown: 5-23-19

Operations Representative: [signature] 5-23-18
Signature Date

LDAR Team Representative: Michael D. Bowen 5.23.2018
Signature Date

For EMSI Use Only:

DOR Tag Hung By Technician: [signature] 5.23.2018
Signature Date

Instrument ID#: _____ Component Repair Date: _____

EMSI Tech: _____ Component In Service Date: _____

Background Reading: _____ Component Remonitor Date: _____

Repair Method: _____ Remonitor Reading: _____

Start Time: _____ End Time: _____

6/7/2018

Resign

CD 6/7/18

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE

Lonestar Mont Belvieu Frac 2

Area: 01	HRVOC: No	Tag: 00889-002
Location: 30FT N OF DEPROP KO DRUM 17.017	Service Type: LIGHT LIQUID	Size:8
Type: FLANGE	Initial Reading: 628	Equipment: PV17.017
Leak Source: VALVE PACKING	Inspection Date: 05/01/2018	P&ID:

If repair of a component w/in 7 or 15 days after the leak is detected requires DOR, the following options are available: **(All DOR requirements are outlined in the Procedures for Delay of Repair Document attached to each DOR book)**

Repair could be delayed until the next scheduled process unit S/D provided one of the following criteria are met:

☑ 1. Meet the mass emissions calculation requirements (e.g. emissions from shutdown > cumulative mass emissions from leaking component(s) for which DOR is sought) {S/D STATUS}

☐ 2. "Extraordinary" repair efforts made to repair leak {S/D STATUS}

- ☐ Date of 1st "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____
- ☐ Date of 2nd "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____

(1st effort must be made within 7 days if > 10,000 ppm or 15 days if <= 10,000 ppm)

☐ 2a **Valves Only:** Demonstrate there is a safety, mechanical or major environmental concern posed by repairing the leak of all valves other than PSV's and automatic control valves using "extraordinary" efforts {UNSAFE STATUS}

☐ 3. The component listed above has been **REMOVED FROM VOC/HRVOC SERVICE** When the component is repaired and returned to service the **LDAR TEAM COORDINATOR MUST BE NOTIFIED IMMEDIATELY** to have Component re-monitored. {OHS STATUS}

☐ 4. Re-designing equipment to reduce emissions and/or preparatory work will take longer than anticipated (Pump and Compressor seal upgrades allowed provided the repair is made with regulatory timeframe, i.e. HRVOC within 6 months, VOC during next process unit S/D) {DLY STATUS}

Explanation for Delay of Repair required for criteria 2a, 3 and 4.

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Expected date of repair or process unit shutdown: 6-7-18

Operations Representative: _____ Signature 6-7-18 Date

LDAR Team Representative: Michael D. Bowen Signature 6.7.2018 Date

For EMSI Use Only:

DOR Tag Hung By Technician: _____ Signature 6.7.18 Date

Instrument ID#: _____ Component Repair Date: _____

EMSI Tech: _____ Component In Service Date: _____

Background Reading: _____ Component Remonitor Date: _____

Repair Method: _____ Remonitor Reading: _____

Start Time: _____ End Time: _____

2/25/2019

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE

CP 2/26/19

Lonestar Mont Belvieu Frac 2

Area: 01	HRVOC: No	Tag: 01090-000
Location: 1ST LVL FRAC STRCTR NW SIDE OF HT16.018 PROP REBOILER	Service Type: LIGHT LIQUID	Size:8
Type: FLANGED PROCESS VALVE	Initial Reading: 1166	Equipment: HT16.018
Leak Source: VALVE PACKING	Inspection Date: 02/12/2019	P&ID:

If repair of a component w/in 7 or 15 days after the leak is detected requires DOR, the following options are available: **(All DOR requirements are outlined in the Procedures for Delay of Repair Document attached to each DOR book)**

Repair could be delayed until the next scheduled process unit S/D provided one of the following criteria are met:

☒ 1. Meet the mass emissions calculation requirements (e.g. emissions from shutdown > cumulative mass emissions from leaking component(s) for which DOR is sought) {S/D STATUS}

☐ 2. "Extraordinary" repair efforts made to repair leak {S/D STATUS}

- ☐ Date of 1st "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____
- ☐ Date of 2nd "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____

(1st effort must be made within 7 days if > 10,000 ppm or 15 days if <= 10,000 ppm)

☐ 2a **Valves Only:** Demonstrate there is a safety, mechanical or major environmental concern posed by repairing the leak of all valves other than PSV's and automatic control valves using "extraordinary" efforts {UNSAFE STATUS}

☐ 3. The component listed above has been **REMOVED FROM VOC/HRVOC SERVICE** When the component is repaired and returned to service the **LDAR TEAM COORDINATOR MUST BE NOTIFIED IMMEDIATELY** to have Component re-monitored. {OHS STATUS}

☐ 4. Re-designing equipment to reduce emissions and/or preparatory work will take longer than anticipated (Pump and Compressor seal upgrades allowed provided the repair is made with regulatory timeframe, i.e. HRVOC within 6 months, VOC during next process unit S/D) {DLY STATUS}

Explanation for Delay of Repair required for criteria 2a, 3 and 4.

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Expected date of repair or process unit shutdown: 2-24-20

Operations Representative: [signature] 2-26-19
Signature Date

LDAR Team Representative: Wendel D. Bowen 2-26-2019
Signature Date

For EMSI Use Only:

DOR Tag Hung By Technician: [signature]
Signature Date

Instrument ID#: _____ Component Repair Date: _____

EMSI Tech: _____ Component In Service Date: _____

Background Reading: _____ Component Remonitor Date: _____

Repair Method: _____ Remonitor Reading: _____

Start Time: _____ End Time: _____

5/24/2018

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE

Lonestar Mont Belvieu Frac2

CD 5/24/18

Area: 01	HRVOC: No	Tag: 01093-001
Location: 1ST LVL FRAC STRCTR NW SIDE OF HT16.018 PROP REBOILER	Service Type: LIGHT LIQUID	Size:8
Type: FLANGE	Initial Reading: 1160	Equipment: HT16.018
Leak Source: FLANGE	Inspection Date: 05/10/2018	P&ID:

If repair of a component w/in 7 or 15 days after the leak is detected requires DOR, the following options are available: **(All DOR requirements are outlined in the Procedures for Delay of Repair Document attached to each DOR book)**

Repair could be delayed until the next scheduled process unit S/D provided one of the following criteria are met:

☑ 1. Meet the mass emissions calculation requirements (e.g. emissions from shutdown > cumulative mass emissions from leaking component(s) for which DOR is sought) {S/D STATUS}

☐ 2. "Extraordinary" repair efforts made to repair leak {S/D STATUS}

- ☐ Date of 1st "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____
- ☐ Date of 2nd "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____

(1st effort must be made within 7 days if > 10,000 ppm or 15 days if <= 10,000 ppm)

☐ 2a **Valves Only:** Demonstrate there is a safety, mechanical or major environmental concern posed by repairing the leak of all valves other than PSV's and automatic control valves using "extraordinary" efforts {UNSAFE STATUS}

☐ 3. The component listed above has been **REMOVED FROM VOC/HRVOC SERVICE** When the component is repaired and returned to service the **LDAR TEAM COORDINATOR MUST BE NOTIFIED IMMEDIATELY** to have Component re-monitored. {OHS STATUS}

☐ 4. Re-designing equipment to reduce emissions and/or preparatory work will take longer than anticipated (Pump and Compressor seal upgrades allowed provided the repair is made with regulatory timeframe, i.e. HRVOC within 6 months, VOC during next process unit S/D) {DLY STATUS}

Explanation for Delay of Repair required for criteria 2a, 3 and 4.

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Expected date of repair or process unit shutdown: 5-24-18

Operations Representative: [signature] 5-24-18
Signature Date

LDAR Team Representative: Michael D. Bowen 5-24-2018
Signature Date

For EMSI Use Only:

DOR Tag Hung By Technician: [signature] 5-24-18
Signature Date

Instrument ID#: _____ Component Repair Date: _____

EMSI Tech: _____ Component In Service Date: _____

Background Reading: _____ Component Remonitor Date: _____

Repair Method: _____ Remonitor Reading: _____

Start Time: _____ End Time: _____

8/29/2018

CD 8/29/18

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE

Lonestar Mont Belvieu FRAC 2

Area: 01	HRVOC: No	Tag: 01133-001
Location: 1ST LVL FRAC STRCTR W SIDE OF HT16.017 PROP REBOILER OVHD	Service Type: LIGHT LIQUID	Size:0.75
Type: SCREWED CONNECTOR	Initial Reading: 38491	Equipment: HT16.017
Leak Source: SCREWED CONNECTOR	Inspection Date: 08/14/2018	P&ID:

If repair of a component w/in 7 or 15 days after the leak is detected requires DOR, the following options are available: **(All DOR requirements are outlined in the Procedures for Delay of Repair Document attached to each DOR book)**

Repair could be delayed until the next scheduled process unit S/D provided one of the following criteria are met:

☑ 1. Meet the mass emissions calculation requirements (e.g. emissions from shutdown > cumulative mass emissions from leaking component(s) for which DOR is sought) {S/D STATUS}

☐ 2. "Extraordinary" repair efforts made to repair leak {S/D STATUS}

- ☐ Date of 1st "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____
- ☐ Date of 2nd "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____

(1st effort must be made within 7 days if > 10,000 ppm or 15 days if <= 10,000 ppm)

☐ 2a **Valves Only:** Demonstrate there is a safety, mechanical or major environmental concern posed by repairing the leak of all valves other than PSV's and automatic control valves using "extraordinary" efforts {UNSAFE STATUS}

☐ 3. The component listed above has been **REMOVED FROM VOC/HRVOC SERVICE** When the component is repaired and returned to service the **LDAR TEAM COORDINATOR MUST BE NOTIFIED IMMEDIATELY** to have Component re-monitored. {OHS STATUS}

☐ 4. Re-designing equipment to reduce emissions and/or preparatory work will take longer than anticipated (Pump and Compressor seal upgrades allowed provided the repair is made with regulatory timeframe, i.e. HRVOC within 6 months, VOC during next process unit S/D) {DLY STATUS}

Explanation for Delay of Repair required for criteria 2a, 3 and 4.

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Expected date of repair or process unit shutdown: 6-1-18

Operations Representative: [signature] 8-29-18
Signature Date

LDAR Team Representative: Michael D. Bowen 8·29·2018
Signature Date

For EMSI Use Only:

DOR Tag Hung By Technician: [signature] 8-29-18
Signature Date

Instrument ID#: _____ Component Repair Date: _____

EMSI Tech: _____ Component In Service Date: _____

Background Reading: _____ Component Remonitor Date: _____

Repair Method: _____ Remonitor Reading: _____

Start Time: _____ End Time: _____

5/6/2019

Resign

VD 5/6/19

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE

Lonestar Mont Belvieu Frac 2

Area: 01	HRVOC: No	Tag: 01680-000
Location: 5TH LVL OF DEPROP TOWER PV17.002	Service Type: LIGHT LIQUID	Size:36
Type: MANWAY	Initial Reading: 5771	Equipment: PV17.002
Leak Source: MANWAY	Inspection Date: 04/02/2019	P&ID:

If repair of a component w/in 7 or 15 days after the leak is detected requires DOR, the following options are available: **(All DOR requirements are outlined in the Procedures for Delay of Repair Document attached to each DOR book)**

Repair could be delayed until the next scheduled process unit S/D provided one of the following criteria are met:

☑ 1. Meet the mass emissions calculation requirements (e.g. emissions from shutdown > cumulative mass emissions from leaking component(s) for which DOR is sought) {S/D STATUS}

☐ 2. "Extraordinary" repair efforts made to repair leak {S/D STATUS}

- ☐ Date of 1st "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____
- ☐ Date of 2nd "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____

(1st effort must be made within 7 days if > 10,000 ppm or 15 days if <= 10,000 ppm)

☐ 2a **Valves Only:** Demonstrate there is a safety, mechanical or major environmental concern posed by repairing the leak of all valves other than PSV's and automatic control valves using "extraordinary" efforts {UNSAFE STATUS}

☐ 3. The component listed above has been **REMOVED FROM VOC/HRVOC SERVICE** When the component is repaired and returned to service the **LDAR TEAM COORDINATOR MUST BE NOTIFIED IMMEDIATELY** to have Component re-monitored. {OHS STATUS}

☐ 4. Re-designing equipment to reduce emissions and/or preparatory work will take longer than anticipated (Pump and Compressor seal upgrades allowed provided the repair is made with regulatory timeframe, i.e. HRVOC within 6 months, VOC during next process unit S/D) {DLY STATUS}

Explanation for Delay of Repair required for criteria 2a, 3 and 4.

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Expected date of repair or process unit shutdown: 5-6-20

Operations Representative: [signature] 5-6-19
Signature Date

LDAR Team Representative: Michael D. Bowen 5-6-2019
Signature Date

For EMSI Use Only:

DOR Tag Hung By Technician: [signature] 5.6.19
Signature Date

Instrument ID#: _____ Component Repair Date: _____

EMSI Tech: _____ Component In Service Date: _____

Background Reading: _____ Component Remonitor Date: _____

Repair Method: _____ Remonitor Reading: _____

Start Time: _____ End Time: _____

8/28/2018

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE KD 8/28/18

Lonestar Mont Belvieu Frac 2

Area: 01	HRVOC: No	Tag: 01702-002
Location: 1ST LVL E SIDE OF DEPROP KO DRUM17.017	Service Type: LIGHT LIQUID	Size:0.5
Type: SCREWED CONNECTOR	Initial Reading: 1698	Equipment: PV17.017
Leak Source: SCREWED CONNECTOR	Inspection Date: 08/16/2018	P&ID:

If repair of a component w/in 7 or 15 days after the leak is detected requires DOR, the following options are available: **(All DOR requirements are outlined in the Procedures for Delay of Repair Document attached to each DOR book)**

Repair could be delayed until the next scheduled process unit S/D provided one of the following criteria are met:

☑ 1. Meet the mass emissions calculation requirements (e.g. emissions from shutdown > cumulative mass emissions from leaking component(s) for which DOR is sought) {S/D STATUS}

☐ 2. "Extraordinary" repair efforts made to repair leak {S/D STATUS}

- ☐ Date of 1st "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____
- ☐ Date of 2nd "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____

(1st effort must be made within 7 days if > 10,000 ppm or 15 days if <= 10,000 ppm)

☐ 2a **Valves Only:** Demonstrate there is a safety, mechanical or major environmental concern posed by repairing the leak of all valves other than PSV's and automatic control valves using "extraordinary" efforts {UNSAFE STATUS}

☐ 3. The component listed above has been **REMOVED FROM VOC/HRVOC SERVICE** When the component is repaired and returned to service the **LDAR TEAM COORDINATOR MUST BE NOTIFIED IMMEDIATELY** to have Component re-monitored. {OHS STATUS}

☐ 4. Re-designing equipment to reduce emissions and/or preparatory work will take longer than anticipated (Pump and Compressor seal upgrades allowed provided the repair is made with regulatory timeframe, i.e. HRVOC within 6 months, VOC during next process unit S/D) {DLY STATUS}

Explanation for Delay of Repair required for criteria 2a, 3 and 4.

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Expected date of repair or process unit shutdown: 6-1-19

Operations Representative: [signature] 8-28-18
Signature Date

LDAR Team Representative: Michael D. Bowen 8-28-2018
Signature Date

For EMSI Use Only:

DOR Tag Hung By Technician: [signature] 8-28-18
Signature Date

Instrument ID#: _____ Component Repair Date: _____

EMSI Tech: _____ Component In Service Date: _____

Background Reading: _____ Component Remonitor Date: _____

Repair Method: _____ Remonitor Reading: _____

Start Time: _____ End Time: _____

2/7/2019

Resign

2/7/19

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE

Lonestar Mont Belvieu Frac 2

Area: 01	HRVOC: No	Tag: 01401-000
Location: 3RD LVL FRAC STRCTR 25FT SW OF PV17.028 PROPY ECONOMIZER	Service Type: LIGHT LIQUID	Size:8
Type: FLANGED PROCESS VALVE	Initial Reading: 7311	Equipment: PV17.028
Leak Source: VALVE PACKING	Inspection Date: 01/04/2019	P&ID:

If repair of a component w/in 7 or 15 days after the leak is detected requires DOR, the following options are available: **(All DOR requirements are outlined in the Procedures for Delay of Repair Document attached to each DOR book)**

Repair could be delayed until the next scheduled process unit S/D provided one of the following criteria are met:

☒ 1. Meet the mass emissions calculation requirements (e.g. emissions from shutdown > cumulative mass emissions from leaking component(s) for which DOR is sought) {S/D STATUS}

☐ 2. "Extraordinary" repair efforts made to repair leak {S/D STATUS}

- ☐ Date of 1st "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____
- ☐ Date of 2nd "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____

(1st effort must be made within 7 days if > 10,000 ppm or 15 days if <= 10,000 ppm)

☐ 2a **Valves Only:** Demonstrate there is a safety, mechanical or major environmental concern posed by repairing the leak of all valves other than PSV's and automatic control valves using "extraordinary" efforts {UNSAFE STATUS}

☐ 3. The component listed above has been **REMOVED FROM VOC/HRVOC SERVICE** When the component is repaired and returned to service the **LDAR TEAM COORDINATOR MUST BE NOTIFIED IMMEDIATELY** to have Component re-monitored. {OHS STATUS}

☐ 4. Re-designing equipment to reduce emissions and/or preparatory work will take longer than anticipated (Pump and Compressor seal upgrades allowed provided the repair is made with regulatory timeframe, i.e. HRVOC within 6 months, VOC during next process unit S/D) {DLY STATUS}

Explanation for Delay of Repair required for criteria 2a, 3 and 4.

_____

Expected date of repair or process unit shutdown: 2-7-20

Operations Representative: [signature] 2-7-19
Signature Date

LDAR Team Representative: Michael D. Bowen 2-7-2019
Signature Date

For EMSI Use Only:

DOR Tag Hung By Technician: [signature] 2-7-19
Signature Date

Instrument ID#: _____ Component Repair Date: _____

EMSI Tech: _____ Component In Service Date: _____

Background Reading: _____ Component Remonitor Date: _____

Repair Method: _____ Remonitor Reading: _____

Start Time: _____ End Time: _____

9/12/2018

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE

Lonestar Mont Belvieu Frac 2

9/12/18

Area: 01	HRVOC: No	Tag: 01814-000
Location: 8FT SW OF DEPROP KO DRUM PV17.017	Service Type: LIGHT LIQUID	Size:3
Type: FLANGED CONTROL VALVE	Initial Reading: 9750	Equipment: PV17.017
Leak Source: VALVE PACKING	Inspection Date: 08/30/2018	P&ID:

If repair of a component w/in 7 or 15 days after the leak is detected requires DOR, the following options are available: **(All DOR requirements are outlined in the Procedures for Delay of Repair Document attached to each DOR book)**

Repair could be delayed until the next scheduled process unit S/D provided one of the following criteria are met:

☒ 1. Meet the mass emissions calculation requirements (e.g. emissions from shutdown > cumulative mass emissions from leaking component(s) for which DOR is sought) {S/D STATUS}

☐ 2. "Extraordinary" repair efforts made to repair leak {S/D STATUS}

- ☐ Date of 1st "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____
- ☐ Date of 2nd "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____

(1st effort must be made within 7 days if > 10,000 ppm or 15 days if <= 10,000 ppm)

☐ 2a **Valves Only:** Demonstrate there is a safety, mechanical or major environmental concern posed by repairing the leak of all valves other than PSV's and automatic control valves using "extraordinary" efforts {UNSAFE STATUS}

☐ 3. The component listed above has been **REMOVED FROM VOC/HRVOC SERVICE** When the component is repaired and returned to service the **LDAR TEAM COORDINATOR MUST BE NOTIFIED IMMEDIATELY** to have Component re-monitored. {OHS STATUS}

☐ 4. Re-designing equipment to reduce emissions and/or preparatory work will take longer than anticipated (Pump and Compressor seal upgrades allowed provided the repair is made with regulatory timeframe, i.e. HRVOC within 6 months, VOC during next process unit S/D) {DLY STATUS}

Explanation for Delay of Repair required for criteria 2a, 3 and 4.

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Expected date of repair or process unit shutdown: 9-12-19

Operations Representative: [signature] 9-12-18
Signature Date

LDAR Team Representative: Michael D. Bowen 9.12.2018
Signature Date

For EMSI Use Only:

DOR Tag Hung By Technician: [signature] 9-12-18
Signature Date

Instrument ID#: _____ Component Repair Date: _____

EMSI Tech: _____ Component In Service Date: _____

Background Reading: _____ Component Remonitor Date: _____

Repair Method: _____ Remonitor Reading: _____

Start Time: _____ End Time: _____

5/24/2018

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE (D) 5/24/18

Lonestar Mont Belvieu Frac2

Area: 01	HRVOC: No	Tag: 01849-001
Location: 15FT SW OF DEPROP KO DRUM PV17.017 OVHD	Service Type: LIGHT LIQUID	Size:0.75
Type: SCREWED CONNECTOR	Initial Reading: 1024	Equipment: PV17.017
Leak Source: SCREWED CONNECTOR	Inspection Date: 05/10/2018	P&ID:

If repair of a component w/in 7 or 15 days after the leak is detected requires DOR, the following options are available: **(All DOR requirements are outlined in the Procedures for Delay of Repair Document attached to each DOR book)**

Repair could be delayed until the next scheduled process unit S/D provided one of the following criteria are met:

☑ 1. Meet the mass emissions calculation requirements (e.g. emissions from shutdown > cumulative mass emissions from leaking component(s) for which DOR is sought) {S/D STATUS}

☐ 2. "Extraordinary" repair efforts made to repair leak {S/D STATUS}

- ☐ Date of 1st "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____
- ☐ Date of 2nd "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____

(1st effort must be made within 7 days if > 10,000 ppm or 15 days if <= 10,000 ppm)

☐ 2a **Valves Only:** Demonstrate there is a safety, mechanical or major environmental concern posed by repairing the leak of all valves other than PSV's and automatic control valves using "extraordinary" efforts {UNSAFE STATUS}

☐ 3. The component listed above has been **REMOVED FROM VOC/HRVOC SERVICE** When the component is repaired and returned to service the **LDAR TEAM COORDINATOR MUST BE NOTIFIED IMMEDIATELY** to have Component re-monitored. {OHS STATUS}

☐ 4. Re-designing equipment to reduce emissions and/or preparatory work will take longer than anticipated (Pump and Compressor seal upgrades allowed provided the repair is made with regulatory timeframe, i.e. HRVOC within 6 months, VOC during next process unit S/D) {DLY STATUS}

Explanation for Delay of Repair required for criteria 2a, 3 and 4.

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Expected date of repair or process unit shutdown: 5-24-18

Operations Representative: [signature] 5-24-18
Signature Date

LDAR Team Representative: Michael A. Bowen 5.24.2018
Signature Date

For EMSI Use Only:

DOR Tag Hung By Technician: [signature] 5-24-18
Signature Date

Instrument ID#: _____ Component Repair Date: _____

EMSI Tech: _____ Component In Service Date: _____

Background Reading: _____ Component Remonitor Date: _____

Repair Method: _____ Remonitor Reading: _____

Start Time: _____ End Time: _____

5/24/2018

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE

KD 5/24/18

Lonestar Mont Belvieu Frac2

Area: 01	HRVOC: No	Tag: 01850-001
Location: 15FT SW OF DEPROP KO DRUM PV17.017 OVHD	Service Type: LIGHT LIQUID	Size:0.75
Type: PLUG	Initial Reading: 1872	Equipment: PV17.017
Leak Source: PLUG	Inspection Date: 05/10/2018	P&ID:

If repair of a component w/in 7 or 15 days after the leak is detected requires DOR, the following options are available: **(All DOR requirements are outlined in the Procedures for Delay of Repair Document attached to each DOR book)**

Repair could be delayed until the next scheduled process unit S/D provided one of the following criteria are met:

☑ 1. Meet the mass emissions calculation requirements (e.g. emissions from shutdown > cumulative mass emissions from leaking component(s) for which DOR is sought) {S/D STATUS}

☐ 2. "Extraordinary" repair efforts made to repair leak {S/D STATUS}

- ☐ Date of 1st "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____
- ☐ Date of 2nd "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____

(1st effort must be made within 7 days if > 10,000 ppm or 15 days if <= 10,000 ppm)

☐ 2a **Valves Only:** Demonstrate there is a safety, mechanical or major environmental concern posed by repairing the leak of all valves other than PSV's and automatic control valves using "extraordinary" efforts {UNSAFE STATUS}

☐ 3. The component listed above has been **REMOVED FROM VOC/HRVOC SERVICE** When the component is repaired and returned to service the **LDAR TEAM COORDINATOR MUST BE NOTIFIED IMMEDIATELY** to have Component re-monitored. {OHS STATUS}

☐ 4. Re-designing equipment to reduce emissions and/or preparatory work will take longer than anticipated (Pump and Compressor seal upgrades allowed provided the repair is made with regulatory timeframe, i.e. HRVOC within 6 months, VOC during next process unit S/D) {DLY STATUS}

Explanation for Delay of Repair required for criteria 2a, 3 and 4.

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Expected date of repair or process unit shutdown: 5-24-18

Operations Representative: [signature] 5-24-18
Signature Date

LDAR Team Representative: Michael D Bowen 5.24.2018
Signature Date

For EMSI Use Only:

DOR Tag Hung By Technician: Carl W. McCaskey 5-24-18
Signature Date

Instrument ID#: _____ Component Repair Date: _____

EMSI Tech: _____ Component In Service Date: _____

Background Reading: _____ Component Remonitor Date: _____

Repair Method: _____ Remonitor Reading: _____

Start Time: _____ End Time: _____

8/30/2018

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE

PD 8/30/18

Lonestar Mont Belvieu Frac 2

Area: 01	HRVOC: No	Tag: 01850-002
Location: 15FT SW OF DEPROP KO DRUM PV17.017 OVHD	Service Type: LIGHT LIQUID	Size:0.75
Type: SCREWED CONNECTOR	Initial Reading: 1076	Equipment: PV17.017
Leak Source: SCREWED CONNECTOR	Inspection Date: 08/16/2018	P&ID:

If repair of a component w/in 7 or 15 days after the leak is detected requires DOR, the following options are available: **(All DOR requirements are outlined in the Procedures for Delay of Repair Document attached to each DOR book)**

Repair could be delayed until the next scheduled process unit S/D provided one of the following criteria are met:

☑ 1. Meet the mass emissions calculation requirements (e.g. emissions from shutdown > cumulative mass emissions from leaking component(s) for which DOR is sought) {S/D STATUS}

☐ 2. "Extraordinary" repair efforts made to repair leak {S/D STATUS}

- ☐ Date of 1st "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____
- ☐ Date of 2nd "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____

(1st effort must be made within 7 days if > 10,000 ppm or 15 days if <= 10,000 ppm)

☐ 2a **Valves Only:** Demonstrate there is a safety, mechanical or major environmental concern posed by repairing the leak of all valves other than PSV's and automatic control valves using "extraordinary" efforts {UNSAFE STATUS}

☐ 3. The component listed above has been **REMOVED FROM VOC/HRVOC SERVICE** When the component is repaired and returned to service the **LDAR TEAM COORDINATOR MUST BE NOTIFIED IMMEDIATELY** to have Component re-monitored. {OHS STATUS}

☐ 4. Re-designing equipment to reduce emissions and/or preparatory work will take longer than anticipated (Pump and Compressor seal upgrades allowed provided the repair is made with regulatory timeframe, i.e. HRVOC within 6 months, VOC during next process unit S/D) {DLY STATUS}

Explanation for Delay of Repair required for criteria 2a, 3 and 4.

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Expected date of repair or process unit shutdown: 6-1-18

Operations Representative: _____ Signature 8-30-18 Date

LDAR Team Representative: Michael D. Bowen Signature 8-30-2018 Date

For EMSI Use Only:

DOR Tag Hung By Technician: _____ Signature 8-30-18 Date

Instrument ID#: _____ Component Repair Date: _____

EMSI Tech: _____ Component In Service Date: _____

Background Reading: _____ Component Remonitor Date: _____

Repair Method: _____ Remonitor Reading: _____

Start Time: _____ End Time: _____

8/30/2018

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE

Lonestar Mont Belvieu Frac 2

PD 8/30/18

Area: 01	HRVOC: No	Tag: 01851-001
Location: 15FT SW OF DEPROP KO DRUM PV17.017 OVHD	Service Type: LIGHT LIQUID	Size:0.75
Type: SCREWED CONNECTOR	Initial Reading: 5768	Equipment: PV17.017
Leak Source: SCREWED CONNECTOR	Inspection Date: 08/16/2018	P&ID:

If repair of a component w/in 7 or 15 days after the leak is detected requires DOR, the following options are available: **(All DOR requirements are outlined in the Procedures for Delay of Repair Document attached to each DOR book)**

Repair could be delayed until the next scheduled process unit S/D provided one of the following criteria are met:

☑ 1. Meet the mass emissions calculation requirements (e.g. emissions from shutdown > cumulative mass emissions from leaking component(s) for which DOR is sought) {S/D STATUS}

☐ 2. "Extraordinary" repair efforts made to repair leak {S/D STATUS}

- ☐ Date of 1st "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____
- ☐ Date of 2nd "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____

(1st effort must be made within 7 days if > 10,000 ppm or 15 days if <= 10,000 ppm)

☐ 2a **Valves Only:** Demonstrate there is a safety, mechanical or major environmental concern posed by repairing the leak of all valves other than PSV's and automatic control valves using "extraordinary" efforts {UNSAFE STATUS}

☐ 3. The component listed above has been **REMOVED FROM VOC/HRVOC SERVICE** When the component is repaired and returned to service the **LDAR TEAM COORDINATOR MUST BE NOTIFIED IMMEDIATELY** to have Component re-monitored. {OHS STATUS}

☐ 4. Re-designing equipment to reduce emissions and/or preparatory work will take longer than anticipated (Pump and Compressor seal upgrades allowed provided the repair is made with regulatory timeframe, i.e. HRVOC within 6 months, VOC during next process unit S/D) {DLY STATUS}

Explanation for Delay of Repair required for criteria 2a, 3 and 4.

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Expected date of repair or process unit shutdown: 6-7-18

Operations Representative: _____ Signature 8-30-18 Date

LDAR Team Representative: Michael D. Bowen Signature 8.30.2018 Date

For EMSI Use Only:

DOR Tag Hung By Technician: _____ Signature 8.30.18 Date

Instrument ID#: _____ Component Repair Date: _____

EMSI Tech: _____ Component In Service Date: _____

Background Reading: _____ Component Remonitor Date: _____

Repair Method: _____ Remonitor Reading: _____

Start Time: _____ End Time: _____

2/7/2019 Resign VD 2/7/19

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE

Lonestar Mont Belvieu FRAC 2

Area: 01	HRVOC: No	Tag: 01852-000
Location: 15FT SW OF DEPROP KO DRUM PV17.017 OVHD	Service Type: LIGHT LIQUID	Size:0.75
Type: TEE	Initial Reading: 9633	Equipment: PV17.017
Leak Source: TEE	Inspection Date: 01/04/2019	P&ID:

If repair of a component w/in 7 or 15 days after the leak is detected requires DOR, the following options are available: **(All DOR requirements are outlined in the Procedures for Delay of Repair Document attached to each DOR book)**

Repair could be delayed until the next scheduled process unit S/D provided one of the following criteria are met:

☒ 1. Meet the mass emissions calculation requirements (e.g. emissions from shutdown > cumulative mass emissions from leaking component(s) for which DOR is sought) {S/D STATUS}

☐ 2. "Extraordinary" repair efforts made to repair leak {S/D STATUS}

- ☐ Date of 1st "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____
- ☐ Date of 2nd "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____

(1st effort must be made within 7 days if > 10,000 ppm or 15 days if <= 10,000 ppm)

☐ 2a **Valves Only:** Demonstrate there is a safety, mechanical or major environmental concern posed by repairing the leak of all valves other than PSV's and automatic control valves using "extraordinary" efforts {UNSAFE STATUS}

☐ 3. The component listed above has been **REMOVED FROM VOC/HRVOC SERVICE** When the component is repaired and returned to service the **LDAR TEAM COORDINATOR MUST BE NOTIFIED IMMEDIATELY** to have Component re-monitored. {OHS STATUS}

☐ 4. Re-designing equipment to reduce emissions and/or preparatory work will take longer than anticipated (Pump and Compressor seal upgrades allowed provided the repair is made with regulatory timeframe, i.e. HRVOC within 6 months, VOC during next process unit S/D) {DLY STATUS}

Explanation for Delay of Repair required for criteria 2a, 3 and 4.

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Expected date of repair or process unit shutdown: 2-7-20

Operations Representative: [signature] 2-7-19
Signature Date

LDAR Team Representative: Michael D. Bowen 2-7-2019
Signature Date

For EMSI Use Only:

DOR Tag Hung By Technician: [signature] 2-7-19
Signature Date

Instrument ID#: _____ Component Repair Date: _____

EMSI Tech: _____ Component In Service Date: _____

Background Reading: _____ Component Remonitor Date: _____

Repair Method: _____ Remonitor Reading: _____

Start Time: _____ End Time: _____

8/30/2018

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE KD 8/30/18

Lonestar Mont Belvieu Frac 2

Area: 01	HRVOC: No	Tag: 01852-002
Location: 15FT SW OF DEPROP KO DRUM PV17.017 OVHD	Service Type: LIGHT LIQUID	Size:0.75
Type: SCREWED CONNECTOR	Initial Reading: 59114	Equipment: PV17.017
Leak Source: SCREWED CONNECTOR	Inspection Date: 08/16/2018	P&ID:

If repair of a component w/in 7 or 15 days after the leak is detected requires DOR, the following options are available: **(All DOR requirements are outlined in the Procedures for Delay of Repair Document attached to each DOR book)**

Repair could be delayed until the next scheduled process unit S/D provided one of the following criteria are met:

☑ 1. Meet the mass emissions calculation requirements (e.g. emissions from shutdown > cumulative mass emissions from leaking component(s) for which DOR is sought) {S/D STATUS}

☐ 2. "Extraordinary" repair efforts made to repair leak {S/D STATUS}

- ☐ Date of 1st "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____
- ☐ Date of 2nd "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____

(1st effort must be made within 7 days if > 10,000 ppm or 15 days if <= 10,000 ppm)

☐ 2a **Valves Only:** Demonstrate there is a safety, mechanical or major environmental concern posed by repairing the leak of all valves other than PSV's and automatic control valves using "extraordinary" efforts {UNSAFE STATUS}

☐ 3. The component listed above has been **REMOVED FROM VOC/HRVOC SERVICE** When the component is repaired and returned to service the **LDAR TEAM COORDINATOR MUST BE NOTIFIED IMMEDIATELY** to have Component re-monitored. {OHS STATUS}

☐ 4. Re-designing equipment to reduce emissions and/or preparatory work will take longer than anticipated (Pump and Compressor seal upgrades allowed provided the repair is made with regulatory timeframe, i.e. HRVOC within 6 months, VOC during next process unit S/D) {DLY STATUS}

Explanation for Delay of Repair required for criteria 2a, 3 and 4.

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Expected date of repair or process unit shutdown: 6-1-19

Operations Representative: [signature] 8-30-18
Signature Date

LDAR Team Representative: Michael D. Bowen 8.30.2018
Signature Date

For EMSI Use Only:

DOR Tag Hung By Technician: [signature] 8.30.18
Signature Date

Instrument ID#: _____ Component Repair Date: _____

EMSI Tech: _____ Component In Service Date: _____

Background Reading: _____ Component Remonitor Date: _____

Repair Method: _____ Remonitor Reading: _____

Start Time: _____ End Time: _____

7/31/2019

Resign

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE

VD 7/31/19

Lonestar Mont Belvieu Frac 2

Area: 01	HRVOC: No	Tag: 01855-000
Location: E SIDE OF DEPROP CMPRSR CM12.002 OVHD	Service Type: LIGHT LIQUID	Size:12
Type: FLANGE	Initial Reading: 994	Equipment: CM12.002
Leak Source: FLANGE	Inspection Date: 07/02/2019	P&ID:

If repair of a component w/in 7 or 15 days after the leak is detected requires DOR, the following options are available: **(All DOR requirements are outlined in the Procedures for Delay of Repair Document attached to each DOR book)**

Repair could be delayed until the next scheduled process unit S/D provided one of the following criteria are met:

☑ 1. Meet the mass emissions calculation requirements (e.g. emissions from shutdown > cumulative mass emissions from leaking component(s) for which DOR is sought) {S/D STATUS}

☐ 2. "Extraordinary" repair efforts made to repair leak {S/D STATUS}

- ☐ Date of 1st "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____
- ☐ Date of 2nd "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____

(1st effort must be made within 7 days if > 10,000 ppm or 15 days if <= 10,000 ppm)

☐ 2a **Valves Only:** Demonstrate there is a safety, mechanical or major environmental concern posed by repairing the leak of all valves other than PSV's and automatic control valves using "extraordinary" efforts {UNSAFE STATUS}

☐ 3. The component listed above has been **REMOVED FROM VOC/HRVOC SERVICE** When the component is repaired and returned to service the **LDAR TEAM COORDINATOR MUST BE NOTIFIED IMMEDIATELY** to have Component re-monitored. {OHS STATUS}

☐ 4. Re-designing equipment to reduce emissions and/or preparatory work will take longer than anticipated (Pump and Compressor seal upgrades allowed provided the repair is made with regulatory timeframe, i.e. HRVOC within 6 months, VOC during next process unit S/D) {DLY STATUS}

Explanation for Delay of Repair required for criteria 2a, 3 and 4.

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Expected date of repair or process unit shutdown: 7-31-20

Operations Representative: [signature] 7-31-19
Signature Date

LDAR Team Representative: Michael D. Bowen 7-31-2019
Signature Date

For EMSI Use Only:

DOR Tag Hung By Technician: [signature] 7.31.19
Signature Date

Instrument ID#: _____ Component Repair Date: _____

EMSI Tech: _____ Component In Service Date: _____

Background Reading: _____ Component Remonitor Date: _____

Repair Method: _____ Remonitor Reading: _____

Start Time: _____ End Time: _____

8/28/2018

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE KD 8/28/18

Lonestar Mont Belvieu FRAC2

Area: 01	HRVOC: No	Tag: 02104-000
Location: MIDDLE OF DEPROP CMPRSR CM12.002 OVHD	Service Type: LIGHT LIQUID	Size:12
Type: FLANGE	Initial Reading: 3676	Equipment: CM12.002
Leak Source: FLANGE	Inspection Date: 08/15/2018	P&ID:

If repair of a component w/in 7 or 15 days after the leak is detected requires DOR, the following options are available: **(All DOR requirements are outlined in the Procedures for Delay of Repair Document attached to each DOR book)**

Repair could be delayed until the next scheduled process unit S/D provided one of the following criteria are met:

☑ 1. Meet the mass emissions calculation requirements (e.g. emissions from shutdown > cumulative mass emissions from leaking component(s) for which DOR is sought) {S/D STATUS}

☐ 2. "Extraordinary" repair efforts made to repair leak {S/D STATUS}

- ☐ Date of 1st "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____
- ☐ Date of 2nd "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____

(1st effort must be made within 7 days if > 10,000 ppm or 15 days if <= 10,000 ppm)

☐ 2a **Valves Only:** Demonstrate there is a safety, mechanical or major environmental concern posed by repairing the leak of all valves other than PSV's and automatic control valves using "extraordinary" efforts {UNSAFE STATUS}

☐ 3. The component listed above has been **REMOVED FROM VOC/HRVOC SERVICE** When the component is repaired and returned to service the **LDAR TEAM COORDINATOR MUST BE NOTIFIED IMMEDIATELY** to have Component re-monitored. {OHS STATUS}

☐ 4. Re-designing equipment to reduce emissions and/or preparatory work will take longer than anticipated (Pump and Compressor seal upgrades allowed provided the repair is made with regulatory timeframe, i.e. HRVOC within 6 months, VOC during next process unit S/D) {DLY STATUS}

Explanation for Delay of Repair required for criteria 2a, 3 and 4.

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Expected date of repair or process unit shutdown: 6-1-19

Operations Representative: _____ Signature 8-28-18 Date

LDAR Team Representative: Michael D. Bowen Signature 8·28·2018 Date

For EMSI Use Only:

DOR Tag Hung By Technician: _____ Signature 8-28-18 Date

Instrument ID#: _____ Component Repair Date: _____

EMSI Tech: _____ Component In Service Date: _____

Background Reading: _____ Component Remonitor Date: _____

Repair Method: _____ Remonitor Reading: _____

Start Time: _____ End Time: _____

5/29/2019

Resign

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE

VD 5/29/19

Lonestar Mont Belvieu Frac 2

Area: 01	HRVOC: No	Tag: 02106-001
Location: MIDDLE OF DEPROP CMPRSR CM12.002 OVHD	Service Type: LIGHT LIQUID	Size:0.75
Type: TUBING CONNECTOR	Initial Reading: 1412	Equipment: CM12.002
Leak Source: TUBING CONNECTOR	Inspection Date: 04/02/2019	P&ID:

If repair of a component w/in 7 or 15 days after the leak is detected requires DOR, the following options are available: **(All DOR requirements are outlined in the Procedures for Delay of Repair Document attached to each DOR book)**

Repair could be delayed until the next scheduled process unit S/D provided one of the following criteria are met:

☑ 1. Meet the mass emissions calculation requirements (e.g. emissions from shutdown > cumulative mass emissions from leaking component(s) for which DOR is sought) {S/D STATUS}

☐ 2. "Extraordinary" repair efforts made to repair leak {S/D STATUS}

- ☐ Date of 1st "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____
- ☐ Date of 2nd "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____

(1st effort must be made within 7 days if > 10,000 ppm or 15 days if <= 10,000 ppm)

☐ 2a **Valves Only:** Demonstrate there is a safety, mechanical or major environmental concern posed by repairing the leak of all valves other than PSV's and automatic control valves using "extraordinary" efforts {UNSAFE STATUS}

☐ 3. The component listed above has been **REMOVED FROM VOC/HRVOC SERVICE** When the component is repaired and returned to service the **LDAR TEAM COORDINATOR MUST BE NOTIFIED IMMEDIATELY** to have Component re-monitored. {OHS STATUS}

☐ 4. Re-designing equipment to reduce emissions and/or preparatory work will take longer than anticipated (Pump and Compressor seal upgrades allowed provided the repair is made with regulatory timeframe, i.e. HRVOC within 6 months, VOC during next process unit S/D) {DLY STATUS}

Explanation for Delay of Repair required for criteria 2a, 3 and 4.

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Expected date of repair or process unit shutdown: 5-29-20

Operations Representative: [signature] 5-29-19
Signature Date

LDAR Team Representative: Michael D. Bowen 5·29·2019
Signature Date

For EMSI Use Only:

DOR Tag Hung By Technician: [signature] 5·29·19
Signature Date

Instrument ID#: _____ Component Repair Date: _____

EMSI Tech: _____ Component In Service Date: _____

Background Reading: _____ Component Remonitor Date: _____

Repair Method: _____ Remonitor Reading: _____

Start Time: _____ End Time: _____

5/29/2019 Resign

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE KD 5/29/19

Lonestar Mont Belvieu FRAC 2

Area: 01	HRVOC: No	Tag: 02107-001
Location: MIDDLE OF DEPROP CMPRSR CM12.002 OVHD	~~Service~~ Type: LIGHT LIQUID	Size:0.75
Type: SCREWED CONNECTOR	Initial Reading: 2714	Equipment: CM12.002
Leak Source: SCREWED CONNECTOR	Inspection Date: 04/02/2019	P&ID:

If repair of a component w/in 7 or 15 days after the leak is detected requires DOR, the following options are available: **(All DOR requirements are outlined in the Procedures for Delay of Repair Document attached to each DOR book)**

Repair could be delayed until the next scheduled process unit S/D provided one of the following criteria are met:

☑ 1. Meet the mass emissions calculation requirements (e.g. emissions from shutdown > cumulative mass emissions from leaking component(s) for which DOR is sought) {S/D STATUS}

☐ 2. "Extraordinary" repair efforts made to repair leak {S/D STATUS}

- ☐ Date of 1st "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____
- ☐ Date of 2nd "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____

(1st effort must be made within 7 days if > 10,000 ppm or 15 days if <= 10,000 ppm)

☐ 2a **Valves Only:** Demonstrate there is a safety, mechanical or major environmental concern posed by repairing the leak of all valves other than PSV's and automatic control valves using "extraordinary" efforts {UNSAFE STATUS}

☐ 3. The component listed above has been **REMOVED FROM VOC/HRVOC SERVICE** When the component is repaired and returned to service the **LDAR TEAM COORDINATOR MUST BE NOTIFIED IMMEDIATELY** to have Component re-monitored. {OHS STATUS}

☐ 4. Re-designing equipment to reduce emissions and/or preparatory work will take longer than anticipated (Pump and Compressor seal upgrades allowed provided the repair is made with regulatory timeframe, i.e. HRVOC within 6 months, VOC during next process unit S/D) {DLY STATUS}

Explanation for Delay of Repair required for criteria 2a, 3 and 4.

_____

Expected date of repair or process unit shutdown: 5-29-20

Operations Representative: [signature] 5-29-19
Signature Date

LDAR Team Representative: Michael D. Bowen 5·29·2019
Signature Date

For EMSI Use Only:

DOR Tag Hung By Technician: [signature] 5·29·19
Signature Date

Instrument ID#: _____ Component Repair Date: _____

EMSI Tech: _____ Component In Service Date: _____

Background Reading: _____ Component Remonitor Date: _____

Repair Method: _____ Remonitor Reading: _____

Start Time: _____ End Time: _____

2/27/2015

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE

Lonestar Mont Belvieu Frac 2

Area: 01	HRVOC: No	Tag: 02595-001
Location: 5FT N OF FUEL GAS SKID	Service Type: Light Liquid	Size:0.75
Type: SCREWED CONNECTOR	Initial Reading: 2394	Equipment: HR15.001
Leak Source: SCREWED CONNECTOR	Inspection Date: 02/13/2015	P&ID:

If repair of a component w/in 7 or 15 days after the leak is detected requires DOR, the following options are available: **(All DOR requirements are outlined in the Procedures for Delay of Repair Document attached to each DOR book)**

Repair could be delayed until the next scheduled process unit S/D provided one of the following criteria are met:

☑ 1. Meet the mass emissions calculation requirements (e.g. emissions from shutdown > cumulative mass emissions from leaking component(s) for which DOR is sought) {S/D STATUS}

☐ 2. "Extraordinary" repair efforts made to repair leak {S/D STATUS}

- ☐ Date of 1st "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____
- ☐ Date of 1st "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____

(1st effort must be made within 7 days if > 10,000 ppm or 15 days if <= 10,000 ppm)

☐ 2a **Valves Only:** Demonstrate there is a safety, mechanical or major environmental concern posed by repairing the leak of all valves other than PSV's and automatic control valves using "extraordinary" efforts {UNSAFE STATUS}

☐ 3. The component listed above has been **REMOVED FROM VOC/HRVOC SERVICE** When the component is repaired and returned to service the **LDAR TEAM COORDINATOR MUST BE NOTIFIED IMMEDIATELY** to have Component re-monitored. {OHS STATUS}

☐ 4. Re-designing equipment to reduce emissions and/or preparatory work will take longer than anticipated (Pump and Compressor seal upgrades allowed provided the repair is made with regulatory timeframe, i.e. HRVOC within 6 months, VOC during next process unit S/D) {DLY STATUS}

Explanation for Delay of Repair required for criteria 2a, 3 and 4.

_____

Expected date of repair or process unit shutdown: 2-27-16

Operations Representative: _____ Signature 2-27-15 Date

LDAR Team Representative: _____ Signature 2-27-15 Date

For EMSI Use Only:

DOR Tag Hung By Technician: _____ Signature 2-27-15 Date

Instrument ID#: _____

EMSI Tech: _____

Background Reading: _____

Repair Method: _____

Start Time: _____

Component Repair Date: _____

Component In Service Date: _____

Component Remonitor Date: _____

Remonitor Reading: _____

End Time: _____

2/27/2015

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE

Lonestar Mont Belvieu FVOC 2

Area: 01	HRVOC: No	Tag: 02597-001
Location: 5FT N OF FUEL GAS SKID	Service Type: Light Liquid	Size:0.75
Type: SCREWED CONNECTOR	Initial Reading: 18600	Equipment: HR15.001
Leak Source: SCREWED CONNECTOR	Inspection Date: 02/13/2015	P&ID:

If repair of a component w/in 7 or 15 days after the leak is detected requires DOR, the following options are available: **(All DOR requirements are outlined in the Procedures for Delay of Repair Document attached to each DOR book)**

Repair could be delayed until the next scheduled process unit S/D provided one of the following criteria are met:

☑ 1. Meet the mass emissions calculation requirements (e.g. emissions from shutdown > cumulative mass emissions from leaking component(s) for which DOR is sought) {S/D STATUS}

☐ 2. "Extraordinary" repair efforts made to repair leak {S/D STATUS}

- ☐ Date of 1st "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____
- ☐ Date of 1st "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____

(1st effort must be made within 7 days if > 10,000 ppm or 15 days if <= 10,000 ppm)

☐ 2a **Valves Only:** Demonstrate there is a safety, mechanical or major environmental concern posed by repairing the leak of all valves other than PSV's and automatic control valves using "extraordinary" efforts {UNSAFE STATUS}

☐ 3. The component listed above has been **REMOVED FROM VOC/HRVOC SERVICE** When the component is repaired and returned to service the **LDAR TEAM COORDINATOR MUST BE NOTIFIED IMMEDIATELY** to have Component re-monitored. {OHS STATUS}

☐ 4. Re-designing equipment to reduce emissions and/or preparatory work will take longer than anticipated (Pump and Compressor seal upgrades allowed provided the repair is made with regulatory timeframe, i.e. HRVOC within 6 months, VOC during next process unit S/D) {DLY STATUS}

Explanation for Delay of Repair required for criteria 2a, 3 and 4.

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Expected date of repair or process unit shutdown: 2-27-16

Operations Representative: _____ Signature Date 2-27-15

LDAR Team Representative: _____ Signature Date 2/27/15

For EMSI Use Only:

DOR Tag Hung By Technician: _____ Signature Date 2-27-15

Instrument ID#: _____ Component Repair Date: _____

EMSI Tech: _____ Component In Service Date: _____

Background Reading: _____ Component Remonitor Date: _____

Repair Method: _____ Remonitor Reading: _____

Start Time: _____ End Time: _____

5/20/2019

Resign

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE

5/20/19

Lonestar Mont Belvieu HRAC2

Area: 01	~~HR~~VOC: No	Tag: 02597-002
Location: 5FT N OF FUEL GAS SKID	Service Type: LIGHT LIQUID	Size:0.75
Type: TUBING CONNECTOR	Initial Reading: 11700	Equipment: HR15.001
Leak Source: TUBING CONNECTOR	Inspection Date: 02/13/2015	P&ID:

If repair of a component w/in 7 or 15 days after the leak is detected requires DOR, the following options are available: **(All DOR requirements are outlined in the Procedures for Delay of Repair Document attached to each DOR book)**

Repair could be delayed until the next scheduled process unit S/D provided one of the following criteria are met:

☑ 1. Meet the mass emissions calculation requirements (e.g. emissions from shutdown > cumulative mass emissions from leaking component(s) for which DOR is sought) {S/D STATUS}

☐ 2. "Extraordinary" repair efforts made to repair leak {S/D STATUS}

- ☐ Date of 1st "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____
- ☐ Date of 2nd "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____

(1st effort must be made within 7 days if > 10,000 ppm or 15 days if <= 10,000 ppm)

☐ 2a **Valves Only:** Demonstrate there is a safety, mechanical or major environmental concern posed by repairing the leak of all valves other than PSV's and automatic control valves using "extraordinary" efforts {UNSAFE STATUS}

☐ 3. The component listed above has been **REMOVED FROM VOC/HRVOC SERVICE** When the component is repaired and returned to service the **LDAR TEAM COORDINATOR MUST BE NOTIFIED IMMEDIATELY** to have Component re-monitored. {OHS STATUS}

☐ 4. Re-designing equipment to reduce emissions and/or preparatory work will take longer than anticipated (Pump and Compressor seal upgrades allowed provided the repair is made with regulatory timeframe, i.e. HRVOC within 6 months, VOC during next process unit S/D) {DLY STATUS}

Explanation for Delay of Repair required for criteria 2a, 3 and 4.

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Expected date of repair or process unit shutdown: 5-20-20

Operations Representative: [signature] 5-20-19
Signature Date

LDAR Team Representative: Michael D. Bowen 5.20.2019
Signature Date

For EMSI Use Only:

DOR Tag Hung By Technician: [signature] 5-20-19
Signature Date

Instrument ID#: _____ Component Repair Date: _____

EMSI Tech: _____ Component In Service Date: _____

Background Reading: _____ Component Remonitor Date: _____

Repair Method: _____ Remonitor Reading: _____

Start Time: _____ End Time: _____

Redesign

5/20/2019

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE

@ 5/20/19

Lonestar Mont Belvieu Frac 2

Area: 01	HRVOC: No	Tag: 02664-001
Location: MIDDLE OF FUEL GAS SKID	Service Type: LIGHT LIQUID	Size:0.75
Type: SCREWED CONNECTOR	Initial Reading: 68500	Equipment: HR15.001
Leak Source: SCREWED CONNECTOR	Inspection Date: 05/21/2014	P&ID:

If repair of a component w/in 7 or 15 days after the leak is detected requires DOR, the following options are available: **(All DOR requirements are outlined in the Procedures for Delay of Repair Document attached to each DOR book)**

Repair could be delayed until the next scheduled process unit S/D provided one of the following criteria are met:

☒ 1. Meet the mass emissions calculation requirements (e.g. emissions from shutdown > cumulative mass emissions from leaking component(s) for which DOR is sought) {S/D STATUS}

☐ 2. "Extraordinary" repair efforts made to repair leak {S/D STATUS}

- ☐ Date of 1st "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____
- ☐ Date of 2nd "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____

(1st effort must be made within 7 days if > 10,000 ppm or 15 days if <= 10,000 ppm)

☐ 2a **Valves Only:** Demonstrate there is a safety, mechanical or major environmental concern posed by repairing the leak of all valves other than PSV's and automatic control valves using "extraordinary" efforts {UNSAFE STATUS}

☐ 3. The component listed above has been **REMOVED FROM VOC/HRVOC SERVICE** When the component is repaired and returned to service the **LDAR TEAM COORDINATOR MUST BE NOTIFIED IMMEDIATELY** to have Component re-monitored. {OHS STATUS}

☐ 4. Re-designing equipment to reduce emissions and/or preparatory work will take longer than anticipated (Pump and Compressor seal upgrades allowed provided the repair is made with regulatory timeframe, i.e. HRVOC within 6 months, VOC during next process unit S/D) {DLY STATUS}

Explanation for Delay of Repair required for criteria 2a, 3 and 4.

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Expected date of repair or process unit shutdown: 5-20-20

Operations Representative: [signature] 5-20-19
Signature Date

LDAR Team Representative: Michael D Bowen 5.20.2019
Signature Date

For EMSI Use Only:

DOR Tag Hung By Technician: [signature] 5-20-19
Signature Date

Instrument ID#: _____ Component Repair Date: _____

EMSI Tech: _____ Component In Service Date: _____

Background Reading: _____ Component Remonitor Date: _____

Repair Method: _____ Remonitor Reading: _____

Start Time: _____ End Time: _____

5/29/2019

Resign

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE

(D 5/29/19

Lonestar Mont Belvieu Frac 2

Area: 01	~~HRVOC~~: No	Tag: 02674-000
Location: MIDDLE OF FUEL GAS SKID	Service Type: LIGHT LIQUID	Size:0.75
Type: ELBOW	Initial Reading: 4962	Equipment: HR15.001
Leak Source: SCREWED CONNECTOR	Inspection Date: 05/16/2016	P&ID:

If repair of a component w/in 7 or 15 days after the leak is detected requires DOR, the following options are available: **(All DOR requirements are outlined in the Procedures for Delay of Repair Document attached to each DOR book)**

Repair could be delayed until the next scheduled process unit S/D provided one of the following criteria are met:

☑ 1. Meet the mass emissions calculation requirements (e.g. emissions from shutdown > cumulative mass emissions from leaking component(s) for which DOR is sought) {S/D STATUS}

☐ 2. "Extraordinary" repair efforts made to repair leak {S/D STATUS}

- ☐ Date of 1st "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____
- ☐ Date of 2nd "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____

(1st effort must be made within 7 days if > 10,000 ppm or 15 days if <= 10,000 ppm)

☐ 2a **Valves Only:** Demonstrate there is a safety, mechanical or major environmental concern posed by repairing the leak of all valves other than PSV's and automatic control valves using "extraordinary" efforts {UNSAFE STATUS}

☐ 3. The component listed above has been **REMOVED FROM VOC/HRVOC SERVICE** When the component is repaired and returned to service the **LDAR TEAM COORDINATOR MUST BE NOTIFIED IMMEDIATELY** to have Component re-monitored. {OHS STATUS}

☐ 4. Re-designing equipment to reduce emissions and/or preparatory work will take longer than anticipated (Pump and Compressor seal upgrades allowed provided the repair is made with regulatory timeframe, i.e. HRVOC within 6 months, VOC during next process unit S/D) {DLY STATUS}

Explanation for Delay of Repair required for criteria 2a, 3 and 4.

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Expected date of repair or process unit shutdown: 5-29-20

Operations Representative: [signature] 5-29-19
Signature Date

LDAR Team Representative: Michael D. Bowen 5-29-2019
Signature Date

For EMSI Use Only:

DOR Tag Hung By Technician: [signature] 5-29-19
Signature Date

Instrument ID#: _____ Component Repair Date: _____

EMSI Tech: _____ Component In Service Date: _____

Background Reading: _____ Component Remonitor Date: _____

Repair Method: _____ Remonitor Reading: _____

Start Time: _____ End Time: _____

5/29/2019

Resign

CD 5/29/19

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE

Lonestar Mont Belvieu FRAC 2

Area: 01	HRVOC: No	Tag: 02702-002
Location: S END OF FUEL GAS SKID	Service Type: LIGHT LIQUID	Size:0.75
Type: SCREWED CONNECTOR	Initial Reading: 2318	Equipment: HR15.001
Leak Source: SCREWED CONNECTOR	Inspection Date: 05/17/2016	P&ID:

If repair of a component w/in 7 or 15 days after the leak is detected requires DOR, the following options are available: **(All DOR requirements are outlined in the Procedures for Delay of Repair Document attached to each DOR book)**

Repair could be delayed until the next scheduled process unit S/D provided one of the following criteria are met:

☑ 1. Meet the mass emissions calculation requirements (e.g. emissions from shutdown > cumulative mass emissions from leaking component(s) for which DOR is sought) {S/D STATUS}

☐ 2. "Extraordinary" repair efforts made to repair leak {S/D STATUS}

- ☐ Date of 1st "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____
- ☐ Date of 2nd "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____

(1st effort must be made within 7 days if > 10,000 ppm or 15 days if <= 10,000 ppm)

☐ 2a **Valves Only:** Demonstrate there is a safety, mechanical or major environmental concern posed by repairing the leak of all valves other than PSV's and automatic control valves using "extraordinary" efforts {UNSAFE STATUS}

☐ 3. The component listed above has been **REMOVED FROM VOC/HRVOC SERVICE** When the component is repaired and returned to service the **LDAR TEAM COORDINATOR MUST BE NOTIFIED IMMEDIATELY** to have Component re-monitored. {OHS STATUS}

☐ 4. Re-designing equipment to reduce emissions and/or preparatory work will take longer than anticipated (Pump and Compressor seal upgrades allowed provided the repair is made with regulatory timeframe, i.e. HRVOC within 6 months, VOC during next process unit S/D) {DLY STATUS}

Explanation for Delay of Repair required for criteria 2a, 3 and 4.

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Expected date of repair or process unit shutdown: 5-29-20

Operations Representative: [signature] 5-29-19
Signature Date

LDAR Team Representative: Michael O. Bowen 5.29.2019
Signature Date

For EMSI Use Only:

DOR Tag Hung By Technician: [signature] 5.29.19
Signature Date

Instrument ID#: _____ Component Repair Date: _____

EMSI Tech: _____ Component In Service Date: _____

Background Reading: _____ Component Remonitor Date: _____

Repair Method: _____ Remonitor Reading: _____

Start Time: _____ End Time: _____

5/29/2019

Resign

VCD 5/29/19

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE

Lonestar Mont Belvieu Frac2

Area: 01	HRVOC: No	Tag: 02742-002
Location: S END OF FUEL GAS SKID	Service Type: LIGHT LIQUID	Size:0.75
Type: SCREWED CONNECTOR	Initial Reading: 504	Equipment: HR15.001
Leak Source: SCREWED CONNECTOR	Inspection Date: 05/17/2016	P&ID:

If repair of a component w/in 7 or 15 days after the leak is detected requires DOR, the following options are available: **(All DOR requirements are outlined in the Procedures for Delay of Repair Document attached to each DOR book)**

Repair could be delayed until the next scheduled process unit S/D provided one of the following criteria are met:

☒ 1. Meet the mass emissions calculation requirements (e.g. emissions from shutdown > cumulative mass emissions from leaking component(s) for which DOR is sought) {S/D STATUS}

☐ 2. "Extraordinary" repair efforts made to repair leak {S/D STATUS}

- ☐ Date of 1st "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____
- ☐ Date of 2nd "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____

(1st effort must be made within 7 days if > 10,000 ppm or 15 days if <= 10,000 ppm)

☐ 2a **Valves Only:** Demonstrate there is a safety, mechanical or major environmental concern posed by repairing the leak of all valves other than PSV's and automatic control valves using "extraordinary" efforts {UNSAFE STATUS}

☐ 3. The component listed above has been **REMOVED FROM VOC/HRVOC SERVICE** When the component is repaired and returned to service the **LDAR TEAM COORDINATOR MUST BE NOTIFIED IMMEDIATELY** to have Component re-monitored. {OHS STATUS}

☐ 4. Re-designing equipment to reduce emissions and/or preparatory work will take longer than anticipated (Pump and Compressor seal upgrades allowed provided the repair is made with regulatory timeframe, i.e. HRVOC within 6 months, VOC during next process unit S/D) {DLY STATUS}

Explanation for Delay of Repair required for criteria 2a, 3 and 4.

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Expected date of repair or process unit shutdown: 5-29-20

Operations Representative: [signature] 5-29-19
Signature Date

LDAR Team Representative: Michael D. Bowen 5.29.2019
Signature Date

For EMSI Use Only:

DOR Tag Hung By Technician: [signature] 5.29.19
Signature Date

Instrument ID#: _____ Component Repair Date: _____

EMSI Tech: _____ Component In Service Date: _____

Background Reading: _____ Component Remonitor Date: _____

Repair Method: _____ Remonitor Reading: _____

Start Time: _____ End Time: _____

5/29/2019

Resign

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE

VD 5/29/19

Lonestar Mont Belvieu Frac 2

Area: 01	HRVOC: No	Tag: 02906-001
Location: UNDER HOT OIL HEATER W MIDDLE OVHD	Service Type: LIGHT LIQUID	Size:0.75
Type: SCREWED CONNECTOR	Initial Reading: 3023	Equipment: HR15.001
Leak Source: SCREWED CONNECTOR	Inspection Date: 05/16/2016	P&ID:

If repair of a component w/in 7 or 15 days after the leak is detected requires DOR, the following options are available: **(All DOR requirements are outlined in the Procedures for Delay of Repair Document attached to each DOR book)**

Repair could be delayed until the next scheduled process unit S/D provided one of the following criteria are met:

☒ 1. Meet the mass emissions calculation requirements (e.g. emissions from shutdown > cumulative mass emissions from leaking component(s) for which DOR is sought) {S/D STATUS}

☐ 2. "Extraordinary" repair efforts made to repair leak {S/D STATUS}

- ☐ Date of 1st "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____
- ☐ Date of 2nd "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____

(1st effort must be made within 7 days if > 10,000 ppm or 15 days if <= 10,000 ppm)

☐ 2a **Valves Only:** Demonstrate there is a safety, mechanical or major environmental concern posed by repairing the leak of all valves other than PSV's and automatic control valves using "extraordinary" efforts {UNSAFE STATUS}

☐ 3. The component listed above has been **REMOVED FROM VOC/HRVOC SERVICE** When the component is repaired and returned to service the **LDAR TEAM COORDINATOR MUST BE NOTIFIED IMMEDIATELY** to have Component re-monitored. {OHS STATUS}

☐ 4. Re-designing equipment to reduce emissions and/or preparatory work will take longer than anticipated (Pump and Compressor seal upgrades allowed provided the repair is made with regulatory timeframe, i.e. HRVOC within 6 months, VOC during next process unit S/D) {DLY STATUS}

Explanation for Delay of Repair required for criteria 2a, 3 and 4.

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Expected date of repair or process unit shutdown: 5-29-20

Operations Representative: [signature] 5-29-19
Signature Date

LDAR Team Representative: Michael D. Bowen 5.29.2019
Signature Date

For EMSI Use Only:

DOR Tag Hung By Technician: [signature] 5.29.19
Signature Date

Instrument ID#: _____ Component Repair Date: _____

EMSI Tech: _____ Component In Service Date: _____

Background Reading: _____ Component Remonitor Date: _____

Repair Method: _____ Remonitor Reading: _____

Start Time: _____ End Time: _____

Resign

2/26/2019

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE

(D) 2/26/19

Lonestar Mont Belvieu Frac 2

Area: 01	HRVO~~C:~~ No	Tag: 02906-002
Location: UNDER HOT OIL HEATER W MIDDLE OVHD	Service Type: LIGHT LIQUID	Size:0.75
Type: SCREWED CONNECTOR	Initial Reading: 625	Equipment: HR15.001
Leak Source: SCREWED CONNECTOR	Inspection Date: 02/16/2015	P&ID:

If repair of a component w/in 7 or 15 days after the leak is detected requires DOR, the following options are available: **(All DOR requirements are outlined in the Procedures for Delay of Repair Document attached to each DOR book)**

Repair could be delayed until the next scheduled process unit S/D provided one of the following criteria are met:

☑ 1. Meet the mass emissions calculation requirements (e.g. emissions from shutdown > cumulative mass emissions from leaking component(s) for which DOR is sought) {S/D STATUS}

☐ 2. "Extraordinary" repair efforts made to repair leak {S/D STATUS}

- ☐ Date of 1st "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____
- ☐ Date of 2nd "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____

(1st effort must be made within 7 days if > 10,000 ppm or 15 days if <= 10,000 ppm)

☐ 2a **Valves Only:** Demonstrate there is a safety, mechanical or major environmental concern posed by repairing the leak of all valves other than PSV's and automatic control valves using "extraordinary" efforts {UNSAFE STATUS}

☐ 3. The component listed above has been **REMOVED FROM VOC/HRVOC SERVICE** When the component is repaired and returned to service the **LDAR TEAM COORDINATOR MUST BE NOTIFIED IMMEDIATELY** to have Component re-monitored. {OHS STATUS}

☐ 4. Re-designing equipment to reduce emissions and/or preparatory work will take longer than anticipated (Pump and Compressor seal upgrades allowed provided the repair is made with regulatory timeframe, i.e. HRVOC within 6 months, VOC during next process unit S/D) {DLY STATUS}

Explanation for Delay of Repair required for criteria 2a, 3 and 4.

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Expected date of repair or process unit shutdown: 2-26-20

Operations Representative: [signature] 2-26-19
Signature Date

LDAR Team Representative: Michael D. Bowen 2-26-2019
Signature Date

For EMSI Use Only:

DOR Tag Hung By Technician: [signature] 2-26-19
Signature Date

Instrument ID#: _____ Component Repair Date: _____

EMSI Tech: _____ Component In Service Date: _____

Background Reading: _____ Component Remonitor Date: _____

Repair Method: _____ Remonitor Reading: _____

Start Time: _____ End Time: _____

2/26/2019

Resign

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE

LD 2/26/19

Lonestar Mont Belvieu Frac 2

Area: 01	HRVOC: No	Tag: 02907-000
Location: UNDER HOT OIL HEATER W MIDDLE OVHD	Service Type: LIGHT LIQUID	Size:0.75
Type: SCREWED PROCESS VALVE	Initial Reading: 3317	Equipment: HR15.001
Leak Source: BONNET	Inspection Date: 08/11/2016	P&ID:

If repair of a component w/in 7 or 15 days after the leak is detected requires DOR, the following options are available: **(All DOR requirements are outlined in the Procedures for Delay of Repair Document attached to each DOR book)**

Repair could be delayed until the next scheduled process unit S/D provided one of the following criteria are met:

☒ 1. Meet the mass emissions calculation requirements (e.g. emissions from shutdown > cumulative mass emissions from leaking component(s) for which DOR is sought) {S/D STATUS}

☐ 2. "Extraordinary" repair efforts made to repair leak {S/D STATUS}

- ☐ Date of 1st "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____
- ☐ Date of 2nd "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____

(1st effort must be made within 7 days if > 10,000 ppm or 15 days if <= 10,000 ppm)

☐ 2a **Valves Only:** Demonstrate there is a safety, mechanical or major environmental concern posed by repairing the leak of all valves other than PSV's and automatic control valves using "extraordinary" efforts {UNSAFE STATUS}

☐ 3. The component listed above has been **REMOVED FROM VOC/HRVOC SERVICE** When the component is repaired and returned to service the **LDAR TEAM COORDINATOR MUST BE NOTIFIED IMMEDIATELY** to have Component re-monitored. {OHS STATUS}

☐ 4. Re-designing equipment to reduce emissions and/or preparatory work will take longer than anticipated (Pump and Compressor seal upgrades allowed provided the repair is made with regulatory timeframe, i.e. HRVOC within 6 months, VOC during next process unit S/D) {DLY STATUS}

Explanation for Delay of Repair required for criteria 2a, 3 and 4.

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Expected date of repair or process unit shutdown: 2-26-20

Operations Representative: [signature] 2-26-19
Signature Date

LDAR Team Representative: Wendell D. Bowen 2-26-2019
Signature Date

For EMSI Use Only:

DOR Tag Hung By Technician: [signature] 2-26-19
Signature Date

Instrument ID#: _____ Component Repair Date: _____

EMSI Tech: _____ Component In Service Date: _____

Background Reading: _____ Component Remonitor Date: _____

Repair Method: _____ Remonitor Reading: _____

Start Time: _____ End Time: _____

Resign

2/26/2019

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE

2/26/19

Lonestar Mont Belvieu Frac 2

Area: 01	HRVOC: No	Tag: 02907-001
Location: UNDER HOT OIL HEATER W MIDDLE OVHD	Service Type: LIGHT LIQUID	Size:0.75
Type: SCREWED CONNECTOR	Initial Reading: 22400	Equipment: HR15.001
Leak Source: SCREWED CONNECTOR	Inspection Date: 08/11/2016	P&ID:

If repair of a component w/in 7 or 15 days after the leak is detected requires DOR, the following options are available: **(All DOR requirements are outlined in the Procedures for Delay of Repair Document attached to each DOR book)**

Repair could be delayed until the next scheduled process unit S/D provided one of the following criteria are met:

☑ 1. Meet the mass emissions calculation requirements (e.g. emissions from shutdown > cumulative mass emissions from leaking component(s) for which DOR is sought) {S/D STATUS}

☐ 2. "Extraordinary" repair efforts made to repair leak {S/D STATUS}

- ☐ Date of 1st "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____
- ☐ Date of 2nd "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____

(1st effort must be made within 7 days if > 10,000 ppm or 15 days if <= 10,000 ppm)

☐ 2a **Valves Only:** Demonstrate there is a safety, mechanical or major environmental concern posed by repairing the leak of all valves other than PSV's and automatic control valves using "extraordinary" efforts {UNSAFE STATUS}

☐ 3. The component listed above has been **REMOVED FROM VOC/HRVOC SERVICE** When the component is repaired and returned to service the **LDAR TEAM COORDINATOR MUST BE NOTIFIED IMMEDIATELY** to have Component re-monitored. {OHS STATUS}

☐ 4. Re-designing equipment to reduce emissions and/or preparatory work will take longer than anticipated (Pump and Compressor seal upgrades allowed provided the repair is made with regulatory timeframe, i.e. HRVOC within 6 months, VOC during next process unit S/D) {DLY STATUS}

Explanation for Delay of Repair required for criteria 2a, 3 and 4.

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Expected date of repair or process unit shutdown: 2-26-20

Operations Representative: [signature] 2-26-19
Signature Date

LDAR Team Representative: Michael O. Bowen 2-26-2019
Signature Date

For EMSI Use Only:

DOR Tag Hung By Technician: [signature] 2-26-19
Signature Date

Instrument ID#: _____ Component Repair Date: _____

EMSI Tech: _____ Component In Service Date: _____

Background Reading: _____ Component Remonitor Date: _____

Repair Method: _____ Remonitor Reading: _____

Start Time: _____ End Time: _____

5/29/2019 Resign

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE 5/29/19

Lonestar Mont Belvieu Frac 2

Area: 01	HRVOC: No	Tag: 02971-002
Location: UNDER HOT OIL HEATER SW CORNER OVHD	Service Type: LIGHT LIQUID	Size:0.75
Type: SCREWED CONNECTOR	Initial Reading: 1078	Equipment: HR15.001
Leak Source: SCREWED CONNECTOR	Inspection Date: 08/11/2016	P&ID:

If repair of a component w/in 7 or 15 days after the leak is detected requires DOR, the following options are available: **(All DOR requirements are outlined in the Procedures for Delay of Repair Document attached to each DOR book)**

Repair could be delayed until the next scheduled process unit S/D provided one of the following criteria are met:

☒ 1. Meet the mass emissions calculation requirements (e.g. emissions from shutdown > cumulative mass emissions from leaking component(s) for which DOR is sought) {S/D STATUS}

☐ 2. "Extraordinary" repair efforts made to repair leak {S/D STATUS}

- ☐ Date of 1st "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____
- ☐ Date of 2nd "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____

(1st effort must be made within 7 days if > 10,000 ppm or 15 days if <= 10,000 ppm)

☐ 2a **Valves Only:** Demonstrate there is a safety, mechanical or major environmental concern posed by repairing the leak of all valves other than PSV's and automatic control valves using "extraordinary" efforts {UNSAFE STATUS}

☐ 3. The component listed above has been **REMOVED FROM VOC/HRVOC SERVICE** When the component is repaired and returned to service the **LDAR TEAM COORDINATOR MUST BE NOTIFIED IMMEDIATELY** to have Component re-monitored. {OHS STATUS}

☐ 4. Re-designing equipment to reduce emissions and/or preparatory work will take longer than anticipated (Pump and Compressor seal upgrades allowed provided the repair is made with regulatory timeframe, i.e. HRVOC within 6 months, VOC during next process unit S/D) {DLY STATUS}

Explanation for Delay of Repair required for criteria 2a, 3 and 4.

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Expected date of repair or process unit shutdown: 5-29-20

Operations Representative: [signature] 5-29-19
Signature Date

LDAR Team Representative: Michael D. Bowen 5.29.2019
Signature Date

For EMSI Use Only:

DOR Tag Hung By Technician: [signature] 5-29-19
Signature Date

Instrument ID#: _____

EMSI Tech: _____

Background Reading: _____

Repair Method: _____

Start Time: _____

Component Repair Date: _____

Component In Service Date: _____

Component Remonitor Date: _____

Remonitor Reading: _____

End Time: _____

11/20/2018

Resign

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE

VCD 11/20/18

Lonestar Mont Belvieu Frac 2

Area: 01	HRVOC: No	Tag: 03083-000
Location: RV DECK W OF HOT OIL HEATER OVER N SIDE RAIL	Service Type: LIGHT LIQUID	Size:6
Type: FLANGED PROCESS VALVE	Initial Reading: 1030	Equipment: HR15.001
Leak Source: VALVE PACKING	Inspection Date: 11/19/2018	P&ID:

If repair of a component w/in 7 or 15 days after the leak is detected requires DOR, the following options are available: **(All DOR requirements are outlined in the Procedures for Delay of Repair Document attached to each DOR book)**

Repair could be delayed until the next scheduled process unit S/D provided one of the following criteria are met:

☒ 1. Meet the mass emissions calculation requirements (e.g. emissions from shutdown > cumulative mass emissions from leaking component(s) for which DOR is sought) {S/D STATUS}

☐ 2. "Extraordinary" repair efforts made to repair leak {S/D STATUS}

- ☐ Date of 1st "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____
- ☐ Date of 2nd "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____

(1st effort must be made within 7 days if > 10,000 ppm or 15 days if <= 10,000 ppm)

☐ 2a **Valves Only:** Demonstrate there is a safety, mechanical or major environmental concern posed by repairing the leak of all valves other than PSV's and automatic control valves using "extraordinary" efforts {UNSAFE STATUS}

☐ 3. The component listed above has been **REMOVED FROM VOC/HRVOC SERVICE** When the component is repaired and returned to service the **LDAR TEAM COORDINATOR MUST BE NOTIFIED IMMEDIATELY** to have Component re-monitored. {OHS STATUS}

☐ 4. Re-designing equipment to reduce emissions and/or preparatory work will take longer than anticipated (Pump and Compressor seal upgrades allowed provided the repair is made with regulatory timeframe, i.e. HRVOC within 6 months, VOC during next process unit S/D) {DLY STATUS}

Explanation for Delay of Repair required for criteria 2a, 3 and 4.

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Expected date of repair or process unit shutdown: 11-20-19

Operations Representative: [signature] 11-20-18
Signature Date

LDAR Team Representative: Ulrene O. Bowen 11-20-2018
Signature Date

For EMSI Use Only:

DOR Tag Hung By Technician: [signature] 11·20·18
Signature Date

Instrument ID#: _____ Component Repair Date: _____

EMSI Tech: _____ Component In Service Date: _____

Background Reading: _____ Component Remonitor Date: _____

Repair Method: _____ Remonitor Reading: _____

Start Time: _____ End Time: _____

11/20/2018

Resign

CD 11/20/18

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE

Lonestar Mont Belvieu Frac 2

Area: 01	HRVOC: No	Tag: 03142-000
Location: RV DECK W OF HOT OIL HEATER OVER N SIDE RAIL	Service Type: LIGHT LIQUID	Size:3
Type: PRESSURE SAFETY VALVE	Initial Reading: 1300	Equipment: HR15.001
Leak Source: SCREWED CONNECTOR	Inspection Date: 11/19/2018	P&ID:

If repair of a component w/in 7 or 15 days after the leak is detected requires DOR, the following options are available: **(All DOR requirements are outlined in the Procedures for Delay of Repair Document attached to each DOR book)**

Repair could be delayed until the next scheduled process unit S/D provided one of the following criteria are met:

☒ 1. Meet the mass emissions calculation requirements (e.g. emissions from shutdown > cumulative mass emissions from leaking component(s) for which DOR is sought) {S/D STATUS}

☐ 2. "Extraordinary" repair efforts made to repair leak {S/D STATUS}

- ☐ Date of 1st "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____
- ☐ Date of 2nd "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____

(1st effort must be made within 7 days if > 10,000 ppm or 15 days if <= 10,000 ppm)

☐ 2a **Valves Only:** Demonstrate there is a safety, mechanical or major environmental concern posed by repairing the leak of all valves other than PSV's and automatic control valves using "extraordinary" efforts {UNSAFE STATUS}

☐ 3. The component listed above has been **REMOVED FROM VOC/HRVOC SERVICE** When the component is repaired and returned to service the **LDAR TEAM COORDINATOR MUST BE NOTIFIED IMMEDIATELY** to have Component re-monitored. {OHS STATUS}

☐ 4. Re-designing equipment to reduce emissions and/or preparatory work will take longer than anticipated (Pump and Compressor seal upgrades allowed provided the repair is made with regulatory timeframe, i.e. HRVOC within 6 months, VOC during next process unit S/D) {DLY STATUS}

Explanation for Delay of Repair required for criteria 2a, 3 and 4.

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Expected date of repair or process unit shutdown: 11-20-19

Operations Representative: [signature] 11-20-18
Signature Date

LDAR Team Representative: Michael O. Bowen 11-20-2018
Signature Date

For EMSI Use Only:

DOR Tag Hung By Technician: [signature] 11-20-18
Signature Date

Instrument ID#: _____ Component Repair Date: _____

EMSI Tech: _____ Component In Service Date: _____

Background Reading: _____ Component Remonitor Date: _____

Repair Method: _____ Remonitor Reading: _____

Start Time: _____ End Time: _____

11/20/2018

Resign

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE

CW 11/20/18

Lonestar Mont Belvieu Frac 2

Area: 01	HRVOC: No	Tag: 03190-000
Location: RV DECK W OF HOT OIL HEATER OVER N SIDE RAIL	Service Type: LIGHT LIQUID	Size:2
Type: RUPTURE DISK	Initial Reading: 826	Equipment: HR15.001
Leak Source: VALVE PACKING	Inspection Date: 11/19/2018	P&ID:

If repair of a component w/in 7 or 15 days after the leak is detected requires DOR, the following options are available: **(All DOR requirements are outlined in the Procedures for Delay of Repair Document attached to each DOR book)**

Repair could be delayed until the next scheduled process unit S/D provided one of the following criteria are met:

☑ 1. Meet the mass emissions calculation requirements (e.g. emissions from shutdown > cumulative mass emissions from leaking component(s) for which DOR is sought) {S/D STATUS}

☐ 2. "Extraordinary" repair efforts made to repair leak {S/D STATUS}

- ☐ Date of 1st "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____
- ☐ Date of 2nd "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____

(1st effort must be made within 7 days if > 10,000 ppm or 15 days if <= 10,000 ppm)

☐ 2a **Valves Only:** Demonstrate there is a safety, mechanical or major environmental concern posed by repairing the leak of all valves other than PSV's and automatic control valves using "extraordinary" efforts {UNSAFE STATUS}

☐ 3. The component listed above has been **REMOVED FROM VOC/HRVOC SERVICE** When the component is repaired and returned to service the **LDAR TEAM COORDINATOR MUST BE NOTIFIED IMMEDIATELY** to have Component re-monitored. {OHS STATUS}

☐ 4. Re-designing equipment to reduce emissions and/or preparatory work will take longer than anticipated (Pump and Compressor seal upgrades allowed provided the repair is made with regulatory timeframe, i.e. HRVOC within 6 months, VOC during next process unit S/D) {DLY STATUS}

Explanation for Delay of Repair required for criteria 2a, 3 and 4.

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Expected date of repair or process unit shutdown: 11-20-19

Operations Representative: [signature] 11-20-18
Signature Date

LDAR Team Representative: Michael D. Bowen 11-20-2018
Signature Date

For EMSI Use Only:

DOR Tag Hung By Technician: [signature] 11-20-18
Signature Date

Instrument ID#: _____ Component Repair Date: _____

EMSI Tech: _____ Component In Service Date: _____

Background Reading: _____ Component Remonitor Date: _____

Repair Method: _____ Remonitor Reading: _____

Start Time: _____ End Time: _____

5/29/2019 Resign

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE 5/29/19

Lonestar Mont Belvieu Frac 2

Area: 01	HRVOC: No	Tag: 04020-001
Location: N SIDE OF 1ST STAGE FEED COALESCER PV17.052	Service Type: LIGHT LIQUID	Size:0.75
Type: SCREWED CONNECTOR	Initial Reading: 21718	Equipment: COALESCERS
Leak Source: SCREWED CONNECTOR	Inspection Date: 03/04/2019	P&ID:

If repair of a component w/in 7 or 15 days after the leak is detected requires DOR, the following options are available: **(All DOR requirements are outlined in the Procedures for Delay of Repair Document attached to each DOR book)**

Repair could be delayed until the next scheduled process unit S/D provided one of the following criteria are met:

☑ 1. Meet the mass emissions calculation requirements (e.g. emissions from shutdown > cumulative mass emissions from leaking component(s) for which DOR is sought) {S/D STATUS}

☐ 2. "Extraordinary" repair efforts made to repair leak {S/D STATUS}

- ☐ Date of 1st "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____
- ☐ Date of 2nd "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____

(1st effort must be made within 7 days if > 10,000 ppm or 15 days if <= 10,000 ppm)

☐ 2a **Valves Only:** Demonstrate there is a safety, mechanical or major environmental concern posed by repairing the leak of all valves other than PSV's and automatic control valves using "extraordinary" efforts {UNSAFE STATUS}

☐ 3. The component listed above has been **REMOVED FROM VOC/HRVOC SERVICE** When the component is repaired and returned to service the **LDAR TEAM COORDINATOR MUST BE NOTIFIED IMMEDIATELY** to have Component re-monitored. {OHS STATUS}

☐ 4. Re-designing equipment to reduce emissions and/or preparatory work will take longer than anticipated (Pump and Compressor seal upgrades allowed provided the repair is made with regulatory timeframe, i.e. HRVOC within 6 months, VOC during next process unit S/D) {DLY STATUS}

Explanation for Delay of Repair required for criteria 2a, 3 and 4.

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Expected date of repair or process unit shutdown: 5-29-20

Operations Representative: [signature] 5-29-19
Signature Date

LDAR Team Representative: Michael D. Bowen 5.29.2019
Signature Date

For EMSI Use Only:

DOR Tag Hung By Technician: [signature] 5.29.19
Signature Date

Instrument ID#: _____ Component Repair Date: _____

EMSI Tech: _____ Component In Service Date: _____

Background Reading: _____ Component Remonitor Date: _____

Repair Method: _____ Remonitor Reading: _____

Start Time: _____ End Time: _____

5/29/2019 Resign

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE VD 5/29/19

Lonestar Mont Belvieu FRUCD

Area: 01	HRVOC: No	Tag: 04292-000
Location: RV DECK W COALESCERS	Service Type: LIGHT LIQUID	Size:0.75
Type: WELDED BLEED VALVE	Initial Reading: 1270	Equipment: COALESCERS
Leak Source: BONNET	Inspection Date: 04/02/2019	P&ID:

If repair of a component w/in 7 or 15 days after the leak is detected requires DOR, the following options are available: **(All DOR requirements are outlined in the Procedures for Delay of Repair Document attached to each DOR book)**

Repair could be delayed until the next scheduled process unit S/D provided one of the following criteria are met:

☒ 1. Meet the mass emissions calculation requirements (e.g. emissions from shutdown > cumulative mass emissions from leaking component(s) for which DOR is sought) {S/D STATUS}

☐ 2. "Extraordinary" repair efforts made to repair leak {S/D STATUS}

- ☐ Date of 1st "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____
- ☐ Date of 2nd "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____

(1st effort must be made within 7 days if > 10,000 ppm or 15 days if <= 10,000 ppm)

☐ 2a **Valves Only:** Demonstrate there is a safety, mechanical or major environmental concern posed by repairing the leak of all valves other than PSV's and automatic control valves using "extraordinary" efforts {UNSAFE STATUS}

☐ 3. The component listed above has been **REMOVED FROM VOC/HRVOC SERVICE** When the component is repaired and returned to service the **LDAR TEAM COORDINATOR MUST BE NOTIFIED IMMEDIATELY** to have Component re-monitored. {OHS STATUS}

☐ 4. Re-designing equipment to reduce emissions and/or preparatory work will take longer than anticipated (Pump and Compressor seal upgrades allowed provided the repair is made with regulatory timeframe, i.e. HRVOC within 6 months, VOC during next process unit S/D) {DLY STATUS}

Explanation for Delay of Repair required for criteria 2a, 3 and 4.

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Expected date of repair or process unit shutdown: 5-29-20

Operations Representative: [signature] 5-29-19
Signature Date

LDAR Team Representative: Michael D. Bowen 5-29-2019
Signature Date

For EMSI Use Only:

DOR Tag Hung By Technician: [signature] 5-29-19
Signature Date

Instrument ID#: _____ Component Repair Date: _____

EMSI Tech: _____ Component In Service Date: _____

Background Reading: _____ Component Remonitor Date: _____

Repair Method: _____ Remonitor Reading: _____

Start Time: _____ End Time: _____

2/7/2019 Resign

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC ~~HRVOC~~ SERVICE 2/7/19

Lonestar Mont Belvieu Frac 2

Area: 01	HRVOC: No	Tag: 04562-016
Location: ESD DEPROP PRECOOLER HT16.036A SEQ 2303 (3RD ROW, N PANEL)	Service Type: LIGHT LIQUID	Size:0.75
Type: PLUG	Initial Reading: 733	Equipment: HT16.036
Leak Source: PLUG	Inspection Date: 01/04/2019	P&ID:

If repair of a component w/in 7 or 15 days after the leak is detected requires DOR, the following options are available: **(All DOR requirements are outlined in the Procedures for Delay of Repair Document attached to each DOR book)**

Repair could be delayed until the next scheduled process unit S/D provided one of the following criteria are met:

☑ 1. Meet the mass emissions calculation requirements (e.g. emissions from shutdown > cumulative mass emissions from leaking component(s) for which DOR is sought) {S/D STATUS}

☐ 2. "Extraordinary" repair efforts made to repair leak {S/D STATUS}

- ☐ Date of 1st "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____
- ☐ Date of 2nd "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____

(1st effort must be made within 7 days if > 10,000 ppm or 15 days if <= 10,000 ppm)

☐ 2a **Valves Only:** Demonstrate there is a safety, mechanical or major environmental concern posed by repairing the leak of all valves other than PSV's and automatic control valves using "extraordinary" efforts {UNSAFE STATUS}

☐ 3. The component listed above has been **REMOVED FROM VOC/HRVOC SERVICE** When the component is repaired and returned to service the **LDAR TEAM COORDINATOR MUST BE NOTIFIED IMMEDIATELY** to have Component re-monitored. {OHS STATUS}

☐ 4. Re-designing equipment to reduce emissions and/or preparatory work will take longer than anticipated (Pump and Compressor seal upgrades allowed provided the repair is made with regulatory timeframe, i.e. HRVOC within 6 months, VOC during next process unit S/D) {DLY STATUS}

Explanation for Delay of Repair required for criteria 2a, 3 and 4.

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Expected date of repair or process unit shutdown: 2-7-20

Operations Representative: [signature] 2-7-19
Signature Date

LDAR Team Representative: [signature] 2-7-2019
Signature Date

For EMSI Use Only:

DOR Tag Hung By Technician: [signature] 2-7-19
Signature Date

Instrument ID#: _____ Component Repair Date: _____

EMSI Tech: _____ Component In Service Date: _____

Background Reading: _____ Component Remonitor Date: _____

Repair Method: _____ Remonitor Reading: _____

Start Time: _____ End Time: _____

5/6/2019

Resign

RD 5/6/19

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE

Lonestar Mont Belvieu Frac 2

Area: 01	HRVOC: No	Tag: 05010-001
Location: 1ST LVL OF PV 17.001	Service Type: LIGHT LIQUID	Size:0.5
Type: SCREWED CONNECTOR	Initial Reading: 11676	Equipment: PV17.001
Leak Source: SCREWED CONNECTOR	Inspection Date: 04/01/2019	P&ID:

If repair of a component w/in 7 or 15 days after the leak is detected requires DOR, the following options are available: **(All DOR requirements are outlined in the Procedures for Delay of Repair Document attached to each DOR book)**

Repair could be delayed until the next scheduled process unit S/D provided one of the following criteria are met:

☑ 1. Meet the mass emissions calculation requirements (e.g. emissions from shutdown > cumulative mass emissions from leaking component(s) for which DOR is sought) {S/D STATUS}

☐ 2. "Extraordinary" repair efforts made to repair leak {S/D STATUS}

- ☐ Date of 1st "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____
- ☐ Date of 2nd "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____

(1st effort must be made within 7 days if > 10,000 ppm or 15 days if <= 10,000 ppm)

☐ 2a **Valves Only:** Demonstrate there is a safety, mechanical or major environmental concern posed by repairing the leak of all valves other than PSV's and automatic control valves using "extraordinary" efforts {UNSAFE STATUS}

☐ 3. The component listed above has been **REMOVED FROM VOC/HRVOC SERVICE** When the component is repaired and returned to service the **LDAR TEAM COORDINATOR MUST BE NOTIFIED IMMEDIATELY** to have Component re-monitored. {OHS STATUS}

☐ 4. Re-designing equipment to reduce emissions and/or preparatory work will take longer than anticipated (Pump and Compressor seal upgrades allowed provided the repair is made with regulatory timeframe, i.e. HRVOC within 6 months, VOC during next process unit S/D) {DLY STATUS}

Explanation for Delay of Repair required for criteria 2a, 3 and 4.

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Expected date of repair or process unit shutdown: 5-6-20

Operations Representative: [signature] 5-6-19
Signature Date

LDAR Team Representative: Michael D. Bowen 5-6-2019
Signature Date

For EMSI Use Only:

DOR Tag Hung By Technician: [signature] 5-6-19
Signature Date

Instrument ID#: _____ Component Repair Date: _____

EMSI Tech: _____ Component In Service Date: _____

Background Reading: _____ Component Remonitor Date: _____

Repair Method: _____ Remonitor Reading: _____

Start Time: _____ End Time: _____

3/4/2019

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE

CD 3/4/19

Lonestar Mont Belvieu Frac 2

Area: 01	HRVOC: No	Tag: 05014-002
Location: 1ST LVL OF PV 17.001	Service Type: LIGHT LIQUID	Size:0.5
Type: SCREWED CONNECTOR	Initial Reading: 1028	Equipment: PV17.001
Leak Source: SCREWED CONNECTOR	Inspection Date: 02/18/2019	P&ID:

If repair of a component w/in 7 or 15 days after the leak is detected requires DOR, the following options are available: **(All DOR requirements are outlined in the Procedures for Delay of Repair Document attached to each DOR book)**

Repair could be delayed until the next scheduled process unit S/D provided one of the following criteria are met:

☑ 1. Meet the mass emissions calculation requirements (e.g. emissions from shutdown > cumulative mass emissions from leaking component(s) for which DOR is sought) {S/D STATUS}

☐ 2. "Extraordinary" repair efforts made to repair leak {S/D STATUS}

- ☐ Date of 1st "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____
- ☐ Date of 2nd "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____

(1st effort must be made within 7 days if > 10,000 ppm or 15 days if <= 10,000 ppm)

☐ 2a **Valves Only:** Demonstrate there is a safety, mechanical or major environmental concern posed by repairing the leak of all valves other than PSV's and automatic control valves using "extraordinary" efforts {UNSAFE STATUS}

☐ 3. The component listed above has been **REMOVED FROM VOC/HRVOC SERVICE** When the component is repaired and returned to service the **LDAR TEAM COORDINATOR MUST BE NOTIFIED IMMEDIATELY** to have Component re-monitored. {OHS STATUS}

☐ 4. Re-designing equipment to reduce emissions and/or preparatory work will take longer than anticipated (Pump and Compressor seal upgrades allowed provided the repair is made with regulatory timeframe, i.e. HRVOC within 6 months, VOC during next process unit S/D) {DLY STATUS}

Explanation for Delay of Repair required for criteria 2a, 3 and 4.

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Expected date of repair or process unit shutdown: 3-4-20

Operations Representative: [signature] 3-4-19
Signature Date

LDAR Team Representative: Wendell D. Bowen 3.4.2019
Signature Date

For EMSI Use Only:

DOR Tag Hung By Technician: [signature] 3.4.19
Signature Date

Instrument ID#: _____ Component Repair Date: _____

EMSI Tech: _____ Component In Service Date: _____

Background Reading: _____ Component Remonitor Date: _____

Repair Method: _____ Remonitor Reading: _____

Start Time: _____ End Time: _____

12/13/2018

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE 12/13/18

Lonestar Mont Belvieu Frac 2

Area: 01	HRVOC: No	Tag: 05016-001
Location: 1ST LVL OF PV 17.001	Service Type: LIGHT LIQUID	Size:0.5
Type: SCREWED CONNECTOR	Initial Reading: 692	Equipment: PV17.001
Leak Source: SCREWED CONNECTOR	Inspection Date: 11/28/2018	P&ID:

If repair of a component w/in 7 or 15 days after the leak is detected requires DOR, the following options are available: **(All DOR requirements are outlined in the Procedures for Delay of Repair Document attached to each DOR book)**

Repair could be delayed until the next scheduled process unit S/D provided one of the following criteria are met:

☒ 1. Meet the mass emissions calculation requirements (e.g. emissions from shutdown > cumulative mass emissions from leaking component(s) for which DOR is sought) {S/D STATUS}

☐ 2. "Extraordinary" repair efforts made to repair leak {S/D STATUS}

- ☐ Date of 1st "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____
- ☐ Date of 2nd "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____

(1st effort must be made within 7 days if > 10,000 ppm or 15 days if <= 10,000 ppm)

☐ 2a **Valves Only:** Demonstrate there is a safety, mechanical or major environmental concern posed by repairing the leak of all valves other than PSV's and automatic control valves using "extraordinary" efforts {UNSAFE STATUS}

☐ 3. The component listed above has been **REMOVED FROM VOC/HRVOC SERVICE** When the component is repaired and returned to service the **LDAR TEAM COORDINATOR MUST BE NOTIFIED IMMEDIATELY** to have Component re-monitored. {OHS STATUS}

☐ 4. Re-designing equipment to reduce emissions and/or preparatory work will take longer than anticipated (Pump and Compressor seal upgrades allowed provided the repair is made with regulatory timeframe, i.e. HRVOC within 6 months, VOC during next process unit S/D) {DLY STATUS}

Explanation for Delay of Repair required for criteria 2a, 3 and 4.

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Expected date of repair or process unit shutdown: 12-13-18

Operations Representative: [signature] 12-13-18
Signature Date

LDAR Team Representative: Michael D. Bowen 12·13·2018
Signature Date

For EMSI Use Only:

DOR Tag Hung By Technician: [signature] 12·13·18
Signature Date

Instrument ID#: _____ Component Repair Date: _____

EMSI Tech: _____ Component In Service Date: _____

Background Reading: _____ Component Remonitor Date: _____

Repair Method: _____ Remonitor Reading: _____

Start Time: _____ End Time: _____

1/23/2019

Resign

KD 1/23/19

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE

Lonestar Mont Belvieu Frac 2

Area: 01	HRVOC: No	Tag: 05026-001
Location: 1ST LVL OF PV 17.001	Service Type: LIGHT LIQUID	Size:0.5
Type: SCREWED CONNECTOR	Initial Reading: 63398	Equipment: PV17.001
Leak Source: SCREWED CONNECTOR	Inspection Date: 01/04/2019	P&ID:

If repair of a component w/in 7 or 15 days after the leak is detected requires DQR, the following options are available: **(All DOR requirements are outlined in the Procedures for Delay of Repair Document attached to each DOR book)**

Repair could be delayed until the next scheduled process unit S/D provided one of the following criteria are met:

☒ 1. Meet the mass emissions calculation requirements (e.g. emissions from shutdown > cumulative mass emissions from leaking component(s) for which DOR is sought) {S/D STATUS}

☐ 2. "Extraordinary" repair efforts made to repair leak {S/D STATUS}

- ☐ Date of 1st "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____
- ☐ Date of 2nd "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____

(1st effort must be made within 7 days if > 10,000 ppm or 15 days if <= 10,000 ppm)

☐ 2a **Valves Only:** Demonstrate there is a safety, mechanical or major environmental concern posed by repairing the leak of all valves other than PSV's and automatic control valves using "extraordinary" efforts {UNSAFE STATUS}

☐ 3. The component listed above has been **REMOVED FROM VOC/HRVOC SERVICE** When the component is repaired and returned to service the **LDAR TEAM COORDINATOR MUST BE NOTIFIED IMMEDIATELY** to have Component re-monitored. {OHS STATUS}

☐ 4. Re-designing equipment to reduce emissions and/or preparatory work will take longer than anticipated (Pump and Compressor seal upgrades allowed provided the repair is made with regulatory timeframe, i.e. HRVOC within 6 months, VOC during next process unit S/D) {DLY STATUS}

Explanation for Delay of Repair required for criteria 2a, 3 and 4.

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Expected date of repair or process unit shutdown: 1-23-20

Operations Representative: [signature] 1-23-19
Signature Date

LDAR Team Representative: Michael D. Bonner 1-23-2019
Signature Date

For EMSI Use Only:

DOR Tag Hung By Technician: [signature] 1.23.19
Signature Date

Instrument ID#: _____ Component Repair Date: _____

EMSI Tech: _____ Component In Service Date: _____

Background Reading: _____ Component Remonitor Date: _____

Repair Method: _____ Remonitor Reading: _____

Start Time: _____ End Time: _____

1/23/2019 Resign

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE 1/23/19

Lonestar Mont Belvieu HRVOC 2

Area: 01	HRVOC: No	Tag: 05029-002
Location: 1ST LVL OF PV 17.001	Service Type: LIGHT LIQUID	Size:0.5
Type: SCREWED CONNECTOR	Initial Reading: 3368	Equipment: PV17.001
Leak Source: SCREWED CONNECTOR	Inspection Date: 01/04/2019	P&ID:

If repair of a component w/in 7 or 15 days after the leak is detected requires DOR, the following options are available: **(All DOR requirements are outlined in the Procedures for Delay of Repair Document attached to each DOR book)**

Repair could be delayed until the next scheduled process unit S/D provided one of the following criteria are met:

☑ 1. Meet the mass emissions calculation requirements (e.g. emissions from shutdown > cumulative mass emissions from leaking component(s) for which DOR is sought) {S/D STATUS}

☐ 2. "Extraordinary" repair efforts made to repair leak {S/D STATUS}

- ☐ Date of 1st "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____
- ☐ Date of 2nd "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____

(1st effort must be made within 7 days if > 10,000 ppm or 15 days if <= 10,000 ppm)

☐ 2a **Valves Only:** Demonstrate there is a safety, mechanical or major environmental concern posed by repairing the leak of all valves other than PSV's and automatic control valves using "extraordinary" efforts {UNSAFE STATUS}

☐ 3. The component listed above has been **REMOVED FROM VOC/HRVOC SERVICE** When the component is repaired and returned to service the **LDAR TEAM COORDINATOR MUST BE NOTIFIED IMMEDIATELY** to have Component re-monitored. {OHS STATUS}

☐ 4. Re-designing equipment to reduce emissions and/or preparatory work will take longer than anticipated (Pump and Compressor seal upgrades allowed provided the repair is made with regulatory timeframe, i.e. HRVOC within 6 months, VOC during next process unit S/D) {DLY STATUS}

Explanation for Delay of Repair required for criteria 2a, 3 and 4.

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Expected date of repair or process unit shutdown: 1-23-20

Operations Representative: [signature] 1-23-19
Signature Date

LDAR Team Representative: Michael D. Bowen 1-23-2019
Signature Date

For EMSI Use Only:

DOR Tag Hung By Technician: [signature] 1-23-19
Signature Date

Instrument ID#: _____ Component Repair Date: _____

EMSI Tech: _____ Component In Service Date: _____

Background Reading: _____ Component Remonitor Date: _____

Repair Method: _____ Remonitor Reading: _____

Start Time: _____ End Time: _____

12/13/2018

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE (a) 12/13/18

Lonestar Mont Belvieu Frac 2

Area: 01	HRVOC: No	Tag: 05030A-001
Location: 1ST LVL OF PV 17.001	Service Type: LIGHT LIQUID	Size:0.5
Type: SCREWED CONNECTOR	Initial Reading: 12028	Equipment: PV17.001
Leak Source: SCREWED CONNECTOR	Inspection Date: 11/28/2018	P&ID:

If repair of a component w/in 7 or 15 days after the leak is detected requires DOR, the following options are available: **(All DOR requirements are outlined in the Procedures for Delay of Repair Document attached to each DOR book)**

Repair could be delayed until the next scheduled process unit S/D provided one of the following criteria are met:

☑ 1. Meet the mass emissions calculation requirements (e.g. emissions from shutdown > cumulative mass emissions from leaking component(s) for which DOR is sought) {S/D STATUS}

☐ 2. "Extraordinary" repair efforts made to repair leak {S/D STATUS}

- ☐ Date of 1st "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____
- ☐ Date of 2nd "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____

(1st effort must be made within 7 days if > 10,000 ppm or 15 days if <= 10,000 ppm)

☐ 2a **Valves Only:** Demonstrate there is a safety, mechanical or major environmental concern posed by repairing the leak of all valves other than PSV's and automatic control valves using "extraordinary" efforts {UNSAFE STATUS}

☐ 3. The component listed above has been **REMOVED FROM VOC/HRVOC SERVICE** When the component is repaired and returned to service the **LDAR TEAM COORDINATOR MUST BE NOTIFIED IMMEDIATELY** to have Component re-monitored. {OHS STATUS}

☐ 4. Re-designing equipment to reduce emissions and/or preparatory work will take longer than anticipated (Pump and Compressor seal upgrades allowed provided the repair is made with regulatory timeframe, i.e. HRVOC within 6 months, VOC during next process unit S/D) {DLY STATUS}

Explanation for Delay of Repair required for criteria 2a, 3 and 4.

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Expected date of repair or process unit shutdown: 12-13-19

Operations Representative: [signature] 12-13-18
Signature Date

LDAR Team Representative: Michael D. Bowen 12·13·2018
Signature Date

For EMSI Use Only:

DOR Tag Hung By Technician [signature] 12·13·18
Signature Date

Instrument ID#: _____ Component Repair Date: _____

EMSI Tech: _____ Component In Service Date: _____

Background Reading: _____ Component Remonitor Date: _____

Repair Method: _____ Remonitor Reading: _____

Start Time: _____ End Time: _____

5/29/2019

Resign

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE

Lonestar Mont Belvieu Frac 2

5/29/19

Area: 01	HRVOC: No	Tag: 05035-001
Location: 1ST LVL OF PV 17.001	Service Type: LIGHT LIQUID	Size:0.5
Type: SCREWED CONNECTOR	Initial Reading: 11875	Equipment: PV17.001
Leak Source: SCREWED CONNECTOR	Inspection Date: 04/01/2019	P&ID:

If repair of a component w/in 7 or 15 days after the leak is detected requires DOR, the following options are available: **(All DOR requirements are outlined in the Procedures for Delay of Repair Document attached to each DOR book)**

Repair could be delayed until the next scheduled process unit S/D provided one of the following criteria are met:

☒ 1. Meet the mass emissions calculation requirements (e.g. emissions from shutdown > cumulative mass emissions from leaking component(s) for which DOR is sought) {S/D STATUS}

☐ 2. "Extraordinary" repair efforts made to repair leak {S/D STATUS}

- ☐ Date of 1st "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____
- ☐ Date of 2nd "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____

(1st effort must be made within 7 days if > 10,000 ppm or 15 days if <= 10,000 ppm)

☐ 2a **Valves Only:** Demonstrate there is a safety, mechanical or major environmental concern posed by repairing the leak of all valves other than PSV's and automatic control valves using "extraordinary" efforts {UNSAFE STATUS}

☐ 3. The component listed above has been **REMOVED FROM VOC/HRVOC SERVICE** When the component is repaired and returned to service the **LDAR TEAM COORDINATOR MUST BE NOTIFIED IMMEDIATELY** to have Component re-monitored. {OHS STATUS}

☐ 4. Re-designing equipment to reduce emissions and/or preparatory work will take longer than anticipated (Pump and Compressor seal upgrades allowed provided the repair is made with regulatory timeframe, i.e. HRVOC within 6 months, VOC during next process unit S/D) {DLY STATUS}

Explanation for Delay of Repair required for criteria 2a, 3 and 4.

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Expected date of repair or process unit shutdown: 5-29-20

Operations Representative: [signature] 5-29-19
Signature Date

LDAR Team Representative: Michael D. Bowen 5.29.2019
Signature Date

For EMSI Use Only:

DOR Tag Hung By Technician: [signature] 5-29-19
Signature Date

Instrument ID#: _____ Component Repair Date: _____

EMSI Tech: _____ Component In Service Date: _____

Background Reading: _____ Component Remonitor Date: _____

Repair Method: _____ Remonitor Reading: _____

Start Time: _____ End Time: _____

6/11/2019

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE 6/11/19

Lonestar Mont Belvieu FRAC 2

Area: 01	HRVOC: No	Tag: 01093-001
Location: 1ST LVL FRAC STRCTR NW SIDE OF HT16.018 PROP REBOILER	Service Type: LIGHT LIQUID	Size:8
Type: FLANGE	Initial Reading: 56846	Equipment: HT16.018
Leak Source: FLANGE	Inspection Date: 05/29/2019	P&ID:

If repair of a component w/in 7 or 15 days after the leak is detected requires DOR, the following options are available: **(All DOR requirements are outlined in the Procedures for Delay of Repair Document attached to each DOR book)**

Repair could be delayed until the next scheduled process unit S/D provided one of the following criteria are met:

☑ 1. Meet the mass emissions calculation requirements (e.g. emissions from shutdown > cumulative mass emissions from leaking component(s) for which DOR is sought) {S/D STATUS}

☐ 2. "Extraordinary" repair efforts made to repair leak {S/D STATUS}

- ☐ Date of 1st "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____
- ☐ Date of 2nd "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____

(1st effort must be made within 7 days if > 10,000 ppm or 15 days if <= 10,000 ppm)

☐ 2a **Valves Only:** Demonstrate there is a safety, mechanical or major environmental concern posed by repairing the leak of all valves other than PSV's and automatic control valves using "extraordinary" efforts {UNSAFE STATUS}

☐ 3. The component listed above has been **REMOVED FROM VOC/HRVOC SERVICE** When the component is repaired and returned to service the **LDAR TEAM COORDINATOR MUST BE NOTIFIED IMMEDIATELY** to have Component re-monitored. {OHS STATUS}

☐ 4. Re-designing equipment to reduce emissions and/or preparatory work will take longer than anticipated (Pump and Compressor seal upgrades allowed provided the repair is made with regulatory timeframe, i.e. HRVOC within 6 months, VOC during next process unit S/D) {DLY STATUS}

Explanation for Delay of Repair required for criteria 2a, 3 and 4.

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Expected date of repair or process unit shutdown: 6-11-20

Operations Representative: [signature] 6-11-19
Signature Date

LDAR Team Representative: Michael D. Bowen 6.11.2019
Signature Date

For EMSI Use Only:

DOR Tag Hung By Technician: [signature] 6.11.19
Signature Date

Instrument ID#: _____ Component Repair Date: _____

EMSI Tech: _____ Component In Service Date: _____

Background Reading: _____ Component Remonitor Date: _____

Repair Method: _____ Remonitor Reading: _____

Start Time: _____ End Time: _____

3/4/2019

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE 3/4/19

Lonestar Mont Belvieu Frac 2

Area: 01	HRVOC: No	Tag: 05036-001
Location: 1ST LVL OF PV 17.001	Service Type: LIGHT LIQUID	Size:0.5
Type: SCREWED CONNECTOR	Initial Reading: 41526	Equipment: PV17.001
Leak Source: SCREWED CONNECTOR	Inspection Date: 02/18/2019	P&ID:

If repair of a component w/in 7 or 15 days after the leak is detected requires DOR, the following options are available: **(All DOR requirements are outlined in the Procedures for Delay of Repair Document attached to each DOR book)**

Repair could be delayed until the next scheduled process unit S/D provided one of the following criteria are met:

☑ 1. Meet the mass emissions calculation requirements (e.g. emissions from shutdown > cumulative mass emissions from leaking component(s) for which DOR is sought) {S/D STATUS}

☐ 2. "Extraordinary" repair efforts made to repair leak {S/D STATUS}

- ☐ Date of 1st "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____
- ☐ Date of 2nd "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____

(1st effort must be made within 7 days if > 10,000 ppm or 15 days if <= 10,000 ppm)

☐ 2a **Valves Only:** Demonstrate there is a safety, mechanical or major environmental concern posed by repairing the leak of all valves other than PSV's and automatic control valves using "extraordinary" efforts {UNSAFE STATUS}

☐ 3. The component listed above has been **REMOVED FROM VOC/HRVOC SERVICE** When the component is repaired and returned to service the **LDAR TEAM COORDINATOR MUST BE NOTIFIED IMMEDIATELY** to have Component re-monitored. {OHS STATUS}

☐ 4. Re-designing equipment to reduce emissions and/or preparatory work will take longer than anticipated (Pump and Compressor seal upgrades allowed provided the repair is made with regulatory timeframe, i.e. HRVOC within 6 months, VOC during next process unit S/D) {DLY STATUS}

Explanation for Delay of Repair required for criteria 2a, 3 and 4.

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Expected date of repair or process unit shutdown: 3-4-20

Operations Representative: [signature] 3-4-19
Signature Date

LDAR Team Representative: Michael D. Bowen 3-4-2019
Signature Date

For EMSI Use Only:

DOR Tag Hung By Technician: [signature] 3-4-19
Signature Date

Instrument ID#: _____ Component Repair Date: _____

EMSI Tech: _____ Component In Service Date: _____

Background Reading: _____ Component Remonitor Date: _____

Repair Method: _____ Remonitor Reading: _____

Start Time: _____ End Time: _____

7/3/2018

Resign

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE KD 7/3/18

Lonestar Mont Belvieu FRAC 2

Area: 02	HRVOC: No	Tag: 04592-000
Location: ESD DEBUT OVHD COOLER HT16.002 SEQ 15223 (4TH ROW)	Service Type: LIGHT LIQUID	Size:0.75
Type: PLUG	Initial Reading: 59921	Equipment: HT16.002
Leak Source: PLUG	Inspection Date: 06/21/2018	P&ID:

If repair of a component w/in 7 or 15 days after the leak is detected requires DOR, the following options are available: **(All DOR requirements are outlined in the Procedures for Delay of Repair Document attached to each DOR book)**

Repair could be delayed until the next scheduled process unit S/D provided one of the following criteria are met:

☑ 1. Meet the mass emissions calculation requirements (e.g. emissions from shutdown > cumulative mass emissions from leaking component(s) for which DOR is sought) {S/D STATUS}

☐ 2. "Extraordinary" repair efforts made to repair leak {S/D STATUS}

- ☐ Date of 1st "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____
- ☐ Date of 2nd "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____

(1st effort must be made within 7 days if > 10,000 ppm or 15 days if <= 10,000 ppm)

☐ 2a **Valves Only:** Demonstrate there is a safety, mechanical or major environmental concern posed by repairing the leak of all valves other than PSV's and automatic control valves using "extraordinary" efforts {UNSAFE STATUS}

☐ 3. The component listed above has been **REMOVED FROM VOC/HRVOC SERVICE** When the component is repaired and returned to service the **LDAR TEAM COORDINATOR MUST BE NOTIFIED IMMEDIATELY** to have Component re-monitored. {OHS STATUS}

☐ 4. Re-designing equipment to reduce emissions and/or preparatory work will take longer than anticipated (Pump and Compressor seal upgrades allowed provided the repair is made with regulatory timeframe, i.e. HRVOC within 6 months, VOC during next process unit S/D) {DLY STATUS}

Explanation for Delay of Repair required for criteria 2a, 3 and 4.

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Expected date of repair or process unit shutdown: 7-3-19

Operations Representative: [signature] 7-3-18
Signature Date

LDAR Team Representative: Michael D. Bowen 7.3.2018
Signature Date

For EMSI Use Only:

DOR Tag Hung By Technician: Kristin Alvarado 7-3-18
Signature Date

Instrument ID#: _____ Component Repair Date: _____

EMSI Tech: _____ Component In Service Date: _____

Background Reading: _____ Component Remonitor Date: _____

Repair Method: _____ Remonitor Reading: _____

Start Time: _____ End Time: _____

6/25/2019

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE

KD 6/25/19

Lonestar Mont Belvieu Frac 2

Area: 02	HRVOC: No	Tag: 12359-002
Location: BTM E OF PM18.039B HEADER	Service Type: LIGHT LIQUID	Size:0.5
Type: TUBING SCREWED CONNECTOR	Initial Reading: 2853	Equipment: PM18.039B
Leak Source: TUBING CONNECTOR	Inspection Date: 06/10/2019	P&ID:

If repair of a component w/in 7 or 15 days after the leak is detected requires DOR, the following options are available: **(All DOR requirements are outlined in the Procedures for Delay of Repair Document attached to each DOR book)**

Repair could be delayed until the next scheduled process unit S/D provided one of the following criteria are met:

☒ 1. Meet the mass emissions calculation requirements (e.g. emissions from shutdown > cumulative mass emissions from leaking component(s) for which DOR is sought) {S/D STATUS}

☐ 2. "Extraordinary" repair efforts made to repair leak {S/D STATUS}

- ☐ Date of 1st "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____
- ☐ Date of 2nd "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____

(1st effort must be made within 7 days if > 10,000 ppm or 15 days if <= 10,000 ppm)

☐ 2a **Valves Only:** Demonstrate there is a safety, mechanical or major environmental concern posed by repairing the leak of all valves other than PSV's and automatic control valves using "extraordinary" efforts {UNSAFE STATUS}

☐ 3. The component listed above has been **REMOVED FROM VOC/HRVOC SERVICE** When the component is repaired and returned to service the **LDAR TEAM COORDINATOR MUST BE NOTIFIED IMMEDIATELY** to have Component re-monitored. {OHS STATUS}

☐ 4. Re-designing equipment to reduce emissions and/or preparatory work will take longer than anticipated (Pump and Compressor seal upgrades allowed provided the repair is made with regulatory timeframe, i.e. HRVOC within 6 months, VOC during next process unit S/D) {DLY STATUS}

Explanation for Delay of Repair required for criteria 2a, 3 and 4.

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Expected date of repair or process unit shutdown: 6-25-20

Operations Representative: [signature] 6-25-19
Signature Date

LDAR Team Representative: Michael D. Bowen 6·25·2019
Signature Date

For EMSI Use Only:

DOR Tag Hung By Technician: [signature] 6·25·19
Signature Date

Instrument ID#: _____ Component Repair Date: _____

EMSI Tech: _____ Component In Service Date: _____

Background Reading: _____ Component Remonitor Date: _____

Repair Method: _____ Remonitor Reading: _____

Start Time: _____ End Time: _____

6/28/2018

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE 6/28/18

Lonestar Mont Belvieu Frac 2

Area: 02	HRVOC: No	Tag: 12539-000
Location: CONTROL LOOP 20FT NE OF PM18.038B OVHD	Service Type: LIGHT LIQUID	Size:8
Type: CHECK VALVE	Initial Reading: 2480	Equipment: PM18.038B
Leak Source: VALVE PACKING	Inspection Date: 06/14/2018	P&ID:

If repair of a component w/in 7 or 15 days after the leak is detected requires DOR, the following options are available: **(All DOR requirements are outlined in the Procedures for Delay of Repair Document attached to each DOR book)**

Repair could be delayed until the next scheduled process unit S/D provided one of the following criteria are met:

☑ 1. Meet the mass emissions calculation requirements (e.g. emissions from shutdown > cumulative mass emissions from leaking component(s) for which DOR is sought) {S/D STATUS}

☐ 2. "Extraordinary" repair efforts made to repair leak {S/D STATUS}

- ☐ Date of 1st "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____
- ☐ Date of 2nd "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____

(1st effort must be made within 7 days if > 10,000 ppm or 15 days if <= 10,000 ppm)

☐ 2a **Valves Only:** Demonstrate there is a safety, mechanical or major environmental concern posed by repairing the leak of all valves other than PSV's and automatic control valves using "extraordinary" efforts {UNSAFE STATUS}

☐ 3. The component listed above has been **REMOVED FROM VOC/HRVOC SERVICE** When the component is repaired and returned to service the **LDAR TEAM COORDINATOR MUST BE NOTIFIED IMMEDIATELY** to have Component re-monitored. {OHS STATUS}

☐ 4. Re-designing equipment to reduce emissions and/or preparatory work will take longer than anticipated (Pump and Compressor seal upgrades allowed provided the repair is made with regulatory timeframe, i.e. HRVOC within 6 months, VOC during next process unit S/D) {DLY STATUS}

Explanation for Delay of Repair required for criteria 2a, 3 and 4.

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Expected date of repair or process unit shutdown: 6-28-19

Operations Representative: [signature] 6-28-18
Signature Date

LDAR Team Representative: Michael D. Bowen 6-28-2018
Signature Date

For EMSI Use Only:

DOR Tag Hung By Technician: [signature] 6.28.18
Signature Date

Instrument ID#: _____ Component Repair Date: _____

EMSI Tech: _____ Component In Service Date: _____

Background Reading: _____ Component Remonitor Date: _____

Repair Method: _____ Remonitor Reading: _____

Start Time: _____ End Time: _____

3/27/2019

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE

(1) 3/27/19

Lonestar Mont Belvieu Frac 2

Area: 02	HRVOC: No	Tag: 12570-000
Location: CONTROL LOOP 20FT NE OF PM18.038B OVHD	Service Type: LIGHT LIQUID	Size:0.25
Type: TUBING FITTING	Initial Reading: 6787	Equipment: PM18.038B
Leak Source: TUBING CONNECTOR	Inspection Date: 03/14/2019	P&ID:

If repair of a component w/in 7 or 15 days after the leak is detected requires DOR, the following options are available: **(All DOR requirements are outlined in the Procedures for Delay of Repair Document attached to each DOR book)**

Repair could be delayed until the next scheduled process unit S/D provided one of the following criteria are met:

☒ 1. Meet the mass emissions calculation requirements (e.g. emissions from shutdown > cumulative mass emissions from leaking component(s) for which DOR is sought) {S/D STATUS}

☐ 2. "Extraordinary" repair efforts made to repair leak {S/D STATUS}

- ☐ Date of 1st "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____
- ☐ Date of 2nd "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____

(1st effort must be made within 7 days if > 10,000 ppm or 15 days if <= 10,000 ppm)

☐ 2a **Valves Only:** Demonstrate there is a safety, mechanical or major environmental concern posed by repairing the leak of all valves other than PSV's and automatic control valves using "extraordinary" efforts {UNSAFE STATUS}

☐ 3. The component listed above has been **REMOVED FROM VOC/HRVOC SERVICE** When the component is repaired and returned to service the **LDAR TEAM COORDINATOR MUST BE NOTIFIED IMMEDIATELY** to have Component re-monitored. {OHS STATUS}

☐ 4. Re-designing equipment to reduce emissions and/or preparatory work will take longer than anticipated (Pump and Compressor seal upgrades allowed provided the repair is made with regulatory timeframe, i.e. HRVOC within 6 months, VOC during next process unit S/D) {DLY STATUS}

Explanation for Delay of Repair required for criteria 2a, 3 and 4.

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Expected date of repair or process unit shutdown: 3-27-20

Operations Representative: [signature] 3-27-19
Signature Date

LDAR Team Representative: Michael O. Bowen 3.27.2019
Signature Date

For EMSI Use Only:

DOR Tag Hung By Technician: [signature] 3.27.19
Signature Date

Instrument ID#: _____ Component Repair Date: _____

EMSI Tech: _____ Component In Service Date: _____

Background Reading: _____ Component Remonitor Date: _____

Repair Method: _____ Remonitor Reading: _____

Start Time: _____ End Time: _____

7/3/2018

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE CD 7/3/18

Lonestar Mont Belvieu FRUC 2

Area: 02	HRVOC: No	Tag: 12706-001
Location: CONTROL LOOP 20FT NE OF PM18.040A OVHD	Service Type: LIGHT LIQUID	Size:8
Type: FLANGE	Initial Reading: 586	Equipment: PM18.040A
Leak Source: FLANGE	Inspection Date: 06/18/2018	P&ID:

If repair of a component w/in 7 or 15 days after the leak is detected requires DOR, the following options are available: **(All DOR requirements are outlined in the Procedures for Delay of Repair Document attached to each DOR book)**

Repair could be delayed until the next scheduled process unit S/D provided one of the following criteria are met:

☒ 1. Meet the mass emissions calculation requirements (e.g. emissions from shutdown > cumulative mass emissions from leaking component(s) for which DOR is sought) {S/D STATUS}

☐ 2. "Extraordinary" repair efforts made to repair leak {S/D STATUS}

- ☐ Date of 1st "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____
- ☐ Date of 2nd "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____

(1st effort must be made within 7 days if > 10,000 ppm or 15 days if <= 10,000 ppm)

☐ 2a **Valves Only:** Demonstrate there is a safety, mechanical or major environmental concern posed by repairing the leak of all valves other than PSV's and automatic control valves using "extraordinary" efforts {UNSAFE STATUS}

☐ 3. The component listed above has been **REMOVED FROM VOC/HRVOC SERVICE** When the component is repaired and returned to service the **LDAR TEAM COORDINATOR MUST BE NOTIFIED IMMEDIATELY** to have Component re-monitored. {OHS STATUS}

☐ 4. Re-designing equipment to reduce emissions and/or preparatory work will take longer than anticipated (Pump and Compressor seal upgrades allowed provided the repair is made with regulatory timeframe, i.e. HRVOC within 6 months, VOC during next process unit S/D) {DLY STATUS}

Explanation for Delay of Repair required for criteria 2a, 3 and 4.

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Expected date of repair or process unit shutdown: 7-3-19

Operations Representative: [signature] 7-3-18
Signature Date

LDAR Team Representative: [signature] 7.3.2018
Signature Date

For EMSI Use Only:

DOR Tag Hung By Technician: [signature] 7.3.18
Signature Date

Instrument ID#: _____ Component Repair Date: _____

EMSI Tech: _____ Component In Service Date: _____

Background Reading: _____ Component Remonitor Date: _____

Repair Method: _____ Remonitor Reading: _____

Start Time: _____ End Time: _____

6/25/2019

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE 6/25/19

Lonestar Mont Belvieu Frac 2

Area: 02	HRVOC: No	Tag: 14014-001
Location: NE CORNER OF DIB CMPSR CM12.003A OVHD NEED MANLIFT	Service Type: LIGHT LIQUID	Size:0.75
Type: SCREWED CONNECTOR	Initial Reading: 9616	Equipment: CM12.003A/B
Leak Source: SCREWED CONNECTOR	Inspection Date: 06/11/2019	P&ID:

If repair of a component w/in 7 or 15 days after the leak is detected requires DOR, the following options are available: **(All DOR requirements are outlined in the Procedures for Delay of Repair Document attached to each DOR book)**

Repair could be delayed until the next scheduled process unit S/D provided one of the following criteria are met:

☒ 1. Meet the mass emissions calculation requirements (e.g. emissions from shutdown > cumulative mass emissions from leaking component(s) for which DOR is sought) {S/D STATUS}

☐ 2. "Extraordinary" repair efforts made to repair leak {S/D STATUS}

- ☐ Date of 1st "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____
- ☐ Date of 2nd "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____

(1st effort must be made within 7 days if > 10,000 ppm or 15 days if <= 10,000 ppm)

☐ 2a **Valves Only:** Demonstrate there is a safety, mechanical or major environmental concern posed by repairing the leak of all valves other than PSV's and automatic control valves using "extraordinary" efforts {UNSAFE STATUS}

☐ 3. The component listed above has been **REMOVED FROM VOC/HRVOC SERVICE** When the component is repaired and returned to service the **LDAR TEAM COORDINATOR MUST BE NOTIFIED IMMEDIATELY** to have Component re-monitored. {OHS STATUS}

☐ 4. Re-designing equipment to reduce emissions and/or preparatory work will take longer than anticipated (Pump and Compressor seal upgrades allowed provided the repair is made with regulatory timeframe, i.e. HRVOC within 6 months, VOC during next process unit S/D) {DLY STATUS}

Explanation for Delay of Repair required for criteria 2a, 3 and 4.

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Expected date of repair or process unit shutdown: 6-25-20

Operations Representative: [signature] 6-25-19
Signature Date

LDAR Team Representative: Michael D. Bowen 6-25-2019
Signature Date

For EMSI Use Only:

DOR Tag Hung By Technician: [signature] 6-25-19
Signature Date

Instrument ID#: _____ Component Repair Date: _____

EMSI Tech: _____ Component In Service Date: _____

Background Reading: _____ Component Remonitor Date: _____

Repair Method: _____ Remonitor Reading: _____

Start Time: _____ End Time: _____

12/26/2018

CD 12/26/18

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE

Lonestar Mont Belvieu FRAC 2

Area: 02	HRVOC: No	Tag: 14391-000
Location: MIDDLE OF DIB CMPSR CM12.003B OVHD	Service Type: LIGHT LIQUID	Size:12
Type: FLANGE	Initial Reading: 5675	Equipment: CM12.003A/B
Leak Source: FLANGE	Inspection Date: 12/13/2018	P&ID:

If repair of a component w/in 7 or 15 days after the leak is detected requires DOR, the following options are available: **(All DOR requirements are outlined in the Procedures for Delay of Repair Document attached to each DOR book)**

Repair could be delayed until the next scheduled process unit S/D provided one of the following criteria are met:

☒ 1. Meet the mass emissions calculation requirements (e.g. emissions from shutdown > cumulative mass emissions from leaking component(s) for which DOR is sought) {S/D STATUS}

☐ 2. "Extraordinary" repair efforts made to repair leak {S/D STATUS}

- ☐ Date of 1st "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____
- ☐ Date of 2nd "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____

(1st effort must be made within 7 days if > 10,000 ppm or 15 days if <= 10,000 ppm)

☐ 2a **Valves Only:** Demonstrate there is a safety, mechanical or major environmental concern posed by repairing the leak of all valves other than PSV's and automatic control valves using "extraordinary" efforts {UNSAFE STATUS}

☐ 3. The component listed above has been **REMOVED FROM VOC/HRVOC SERVICE** When the component is repaired and returned to service the **LDAR TEAM COORDINATOR MUST BE NOTIFIED IMMEDIATELY** to have Component re-monitored. {OHS STATUS}

☐ 4. Re-designing equipment to reduce emissions and/or preparatory work will take longer than anticipated (Pump and Compressor seal upgrades allowed provided the repair is made with regulatory timeframe, i.e. HRVOC within 6 months, VOC during next process unit S/D) {DLY STATUS}

Explanation for Delay of Repair required for criteria 2a, 3 and 4.

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Expected date of repair or process unit shutdown: 12-26-19

Operations Representative: [signature] 12-26-18
Signature Date

LDAR Team Representative: [signature] 12-26-2018
Signature Date

For EMSI Use Only:

DOR Tag Hung By Technician: [signature] 12·26·18
Signature Date

Instrument ID#: _____ Component Repair Date: _____

EMSI Tech: _____ Component In Service Date: _____

Background Reading: _____ Component Remonitor Date: _____

Repair Method: _____ Remonitor Reading: _____

Start Time: _____ End Time: _____

6/27/2019

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE

6/27/19

Lonestar Mont Belvieu FRAC 2

Area: 02	HRVOC: No	Tag: 14411-003
Location: MIDDLE OF DIB CMPSR CM12.003B OVHD	Service Type: LIGHT LIQUID	Size:0.75
Type: TUBING CONNECTOR	Initial Reading: 3207	Equipment: CM12.003A/B
Leak Source: TUBING CONNECTOR	Inspection Date: 06/13/2019	P&ID:

If repair of a component w/in 7 or 15 days after the leak is detected requires DOR, the following options are available: **(All DOR requirements are outlined in the Procedures for Delay of Repair Document attached to each DOR book)**

Repair could be delayed until the next scheduled process unit S/D provided one of the following criteria are met:

☑ 1. Meet the mass emissions calculation requirements (e.g. emissions from shutdown > cumulative mass emissions from leaking component(s) for which DOR is sought) {S/D STATUS}

☐ 2. "Extraordinary" repair efforts made to repair leak {S/D STATUS}

- ☐ Date of 1st "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____
- ☐ Date of 2nd "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____

(1st effort must be made within 7 days if > 10,000 ppm or 15 days if <= 10,000 ppm)

☐ 2a **Valves Only:** Demonstrate there is a safety, mechanical or major environmental concern posed by repairing the leak of all valves other than PSV's and automatic control valves using "extraordinary" efforts {UNSAFE STATUS}

☐ 3. The component listed above has been **REMOVED FROM VOC/HRVOC SERVICE** When the component is repaired and returned to service the **LDAR TEAM COORDINATOR MUST BE NOTIFIED IMMEDIATELY** to have Component re-monitored. {OHS STATUS}

☐ 4. Re-designing equipment to reduce emissions and/or preparatory work will take longer than anticipated (Pump and Compressor seal upgrades allowed provided the repair is made with regulatory timeframe, i.e. HRVOC within 6 months, VOC during next process unit S/D) {DLY STATUS}

Explanation for Delay of Repair required for criteria 2a, 3 and 4.

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Expected date of repair or process unit shutdown: 6-27-20

Operations Representative: [signature] 6-27-19
Signature Date

LDAR Team Representative: Michael D. Bowen 6-27-2019
Signature Date

For EMSI Use Only:

DOR Tag Hung By Technician: [signature] 6-27-19
Signature Date

Instrument ID#: _____ Component Repair Date: _____

EMSI Tech: _____ Component In Service Date: _____

Background Reading: _____ Component Remonitor Date: _____

Repair Method: _____ Remonitor Reading: _____

Start Time: _____ End Time: _____

10/2/2018 Resign

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC/HRVOC SERVICE KD 10/2/18

Lonestar Mont Belvieu FRAC 2

Area: 02	HRVOC: No	Tag: 14542-001
Location: 1ST LVL OF DIB TWR PV17.004 OFF LADDER OVHD	Service Type: LIGHT LIQUID	Size:0.75
Type: SCREWED CONNECTOR	Initial Reading: 1743	Equipment: PV17.004
Leak Source: SCREWED CONNECTOR	Inspection Date: 09/10/2018	P&ID:

If repair of a component w/in 7 or 15 days after the leak is detected requires DOR, the following options are available: **(All DOR requirements are outlined in the Procedures for Delay of Repair Document attached to each DOR book)**

Repair could be delayed until the next scheduled process unit S/D provided one of the following criteria are met:

☑ 1. Meet the mass emissions calculation requirements (e.g. emissions from shutdown > cumulative mass emissions from leaking component(s) for which DOR is sought) {S/D STATUS}

☐ 2. "Extraordinary" repair efforts made to repair leak {S/D STATUS}

- ☐ Date of 1st "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____
- ☐ Date of 2nd "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____

(1st effort must be made within 7 days if > 10,000 ppm or 15 days if <= 10,000 ppm)

☐ 2a **Valves Only:** Demonstrate there is a safety, mechanical or major environmental concern posed by repairing the leak of all valves other than PSV's and automatic control valves using "extraordinary" efforts {UNSAFE STATUS}

☐ 3. The component listed above has been **REMOVED FROM VOC/HRVOC SERVICE** When the component is repaired and returned to service the **LDAR TEAM COORDINATOR MUST BE NOTIFIED IMMEDIATELY** to have Component re-monitored. {OHS STATUS}

☐ 4. Re-designing equipment to reduce emissions and/or preparatory work will take longer than anticipated (Pump and Compressor seal upgrades allowed provided the repair is made with regulatory timeframe, i.e. HRVOC within 6 months, VOC during next process unit S/D) {DLY STATUS}

Explanation for Delay of Repair required for criteria 2a, 3 and 4.

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Expected date of repair or process unit shutdown: 10-2-19

Operations Representative: [signature] 10-2-18
Signature Date

LDAR Team Representative: Michael D. Bowen 10.2.2018
Signature Date

For EMSI Use Only:

DOR Tag Hung By Technician: Krista Nordsed 10.2.18
Signature Date

Instrument ID#: _____ Component Repair Date: _____

EMSI Tech: _____ Component In Service Date: _____

Background Reading: _____ Component Remonitor Date: _____

Repair Method: _____ Remonitor Reading: _____

Start Time: _____ End Time: _____

7/3/2018

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE

7/3/18

Lonestar Mont Belvieu Frac 2

Area: 02	HRVOC: No	Tag: 14573-001
Location: 8TH LVL OF DIB TWR PV17.004	Service Type: LIGHT LIQUID	Size:0.75
Type: PLUG	Initial Reading: 2021	Equipment: PV17.004
Leak Source: PLUG	Inspection Date: 06/22/2018	P&ID:

If repair of a component w/in 7 or 15 days after the leak is detected requires DOR, the following options are available: **(All DOR requirements are outlined in the Procedures for Delay of Repair Document attached to each DOR book)**

Repair could be delayed until the next scheduled process unit S/D provided one of the following criteria are met:

☒ 1. Meet the mass emissions calculation requirements (e.g. emissions from shutdown > cumulative mass emissions from leaking component(s) for which DOR is sought) {S/D STATUS}

☐ 2. "Extraordinary" repair efforts made to repair leak {S/D STATUS}

- ☐ Date of 1st "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____
- ☐ Date of 2nd "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____

(1st effort must be made within 7 days if > 10,000 ppm or 15 days if <= 10,000 ppm)

☐ 2a **Valves Only:** Demonstrate there is a safety, mechanical or major environmental concern posed by repairing the leak of all valves other than PSV's and automatic control valves using "extraordinary" efforts {UNSAFE STATUS}

☐ 3. The component listed above has been **REMOVED FROM VOC/HRVOC SERVICE** When the component is repaired and returned to service the **LDAR TEAM COORDINATOR MUST BE NOTIFIED IMMEDIATELY** to have Component re-monitored. {OHS STATUS}

☐ 4. Re-designing equipment to reduce emissions and/or preparatory work will take longer than anticipated (Pump and Compressor seal upgrades allowed provided the repair is made with regulatory timeframe, i.e. HRVOC within 6 months, VOC during next process unit S/D) {DLY STATUS}

Explanation for Delay of Repair required for criteria 2a, 3 and 4.

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Expected date of repair or process unit shutdown: _____

Operations Representative: _____ 7-3-19
Signature Date

LDAR Team Representative: _____ 7-3-18
Signature Date

Michael D. Bowen 7-3-2018

For EMSI Use Only:

DOR Tag Hung By Technician: _____ 7-3-18
Signature Date

Instrument ID#: _____ Component Repair Date: _____

EMSI Tech: _____ Component In Service Date: _____

Background Reading: _____ Component Remonitor Date: _____

Repair Method: _____ Remonitor Reading: _____

Start Time: _____ End Time: _____

4/1/2019

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE 4/1/19

Lonestar Mont Belvieu Frac 2

Area: 02	HRVOC: No	Tag: 14909-001
Location: 1ST LVL DIB STRCTR W END OF REFLUX ACCUM PV17.014 OVHD	Service Type: LIGHT LIQUID	Size:0.75
Type: SCREWED CONNECTOR	Initial Reading: 1600	Equipment: PV17.014
Leak Source: SCREWED CONNECTOR	Inspection Date: 03/19/2019	P&ID:

If repair of a component w/in 7 or 15 days after the leak is detected requires DOR, the following options are available: **(All DOR requirements are outlined in the Procedures for Delay of Repair Document attached to each DOR book)**

Repair could be delayed until the next scheduled process unit S/D provided one of the following criteria are met:

☒ 1. Meet the mass emissions calculation requirements (e.g. emissions from shutdown > cumulative mass emissions from leaking component(s) for which DOR is sought) {S/D STATUS}

☐ 2. "Extraordinary" repair efforts made to repair leak {S/D STATUS}

- ☐ Date of 1st "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____
- ☐ Date of 2nd "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____

(1st effort must be made within 7 days if > 10,000 ppm or 15 days if <= 10,000 ppm)

☐ 2a **Valves Only:** Demonstrate there is a safety, mechanical or major environmental concern posed by repairing the leak of all valves other than PSV's and automatic control valves using "extraordinary" efforts {UNSAFE STATUS}

☐ 3. The component listed above has been **REMOVED FROM VOC/HRVOC SERVICE** When the component is repaired and returned to service the **LDAR TEAM COORDINATOR MUST BE NOTIFIED IMMEDIATELY** to have Component re-monitored. {OHS STATUS}

☐ 4. Re-designing equipment to reduce emissions and/or preparatory work will take longer than anticipated (Pump and Compressor seal upgrades allowed provided the repair is made with regulatory timeframe, i.e. HRVOC within 6 months, VOC during next process unit S/D) {DLY STATUS}

Explanation for Delay of Repair required for criteria 2a, 3 and 4.

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Expected date of repair or process unit shutdown: 4-1-20

Operations Representative: [signature] 4-1-19
Signature Date

LDAR Team Representative: Michael D. Bowen 4.1.2019
Signature Date

For EMSI Use Only:

DOR Tag Hung By Technician: [signature] 4.1.19
Signature Date

Instrument ID#: _____ Component Repair Date: _____

EMSI Tech: _____ Component In Service Date: _____

Background Reading: _____ Component Remonitor Date: _____

Repair Method: _____ Remonitor Reading: _____

Start Time: _____ End Time: _____

4/10/2019

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE KD 4/10/19

Lonestar Mont Belvieu FRAC 2

Area: 02	HRVOC: No	Tag: 14996-000
Location: 1ST LVL DIB STRCTR 40FT SE OF REFLUX ACCUM PV17.014	Service Type: LIGHT LIQUID	Size:2
Type: FLANGED PROCESS VALVE	Initial Reading: 3224	Equipment: PV17.014
Leak Source: VALVE PACKING	Inspection Date: 03/27/2019	P&ID:

If repair of a component w/in 7 or 15 days after the leak is detected requires DOR, the following options are available: **(All DOR requirements are outlined in the Procedures for Delay of Repair Document attached to each DOR book)**

Repair could be delayed until the next scheduled process unit S/D provided one of the following criteria are met:

☑ 1. Meet the mass emissions calculation requirements (e.g. emissions from shutdown > cumulative mass emissions from leaking component(s) for which DOR is sought) {S/D STATUS}

☐ 2. "Extraordinary" repair efforts made to repair leak {S/D STATUS}

- ☐ Date of 1st "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____
- ☐ Date of 2nd "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____

(1st effort must be made within 7 days if > 10,000 ppm or 15 days if <= 10,000 ppm)

☐ 2a **Valves Only:** Demonstrate there is a safety, mechanical or major environmental concern posed by repairing the leak of all valves other than PSV's and automatic control valves using "extraordinary" efforts {UNSAFE STATUS}

☐ 3. The component listed above has been **REMOVED FROM VOC/HRVOC SERVICE** When the component is repaired and returned to service the **LDAR TEAM COORDINATOR MUST BE NOTIFIED IMMEDIATELY** to have Component re-monitored. {OHS STATUS}

☐ 4. Re-designing equipment to reduce emissions and/or preparatory work will take longer than anticipated (Pump and Compressor seal upgrades allowed provided the repair is made with regulatory timeframe, i.e. HRVOC within 6 months, VOC during next process unit S/D) {DLY STATUS}

Explanation for Delay of Repair required for criteria 2a, 3 and 4.

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Expected date of repair or process unit shutdown: 4-10-20

Operations Representative: [signature] 4-10-19
Signature Date

LDAR Team Representative: Michael D. Bowen 4-10-2019
Signature Date

For EMSI Use Only:

DOR Tag Hung By Technician: [signature] 4-10-19
Signature Date

Instrument ID#: _____ Component Repair Date: _____

EMSI Tech: _____ Component In Service Date: _____

Background Reading: _____ Component Remonitor Date: _____

Repair Method: _____ Remonitor Reading: _____

Start Time: _____ End Time: _____

10/3/2018

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE

Lonestar Mont Belvieu FRUC2

10/3/18

Area: 02	HRVOC: No	Tag: 15154-002
Location: 2ND LVL DIB STRCTR SW SIDE	Service Type: LIGHT LIQUID	Size:8
Type: FLANGE	Initial Reading: 2501	Equipment: PV17.014
Leak Source: FLANGE	Inspection Date: 09/18/2018	P&ID:

If repair of a component w/in 7 or 15 days after the leak is detected requires DOR, the following options are available: **(All DOR requirements are outlined in the Procedures for Delay of Repair Document attached to each DOR book)**

Repair could be delayed until the next scheduled process unit S/D provided one of the following criteria are met:

☒ 1. Meet the mass emissions calculation requirements (e.g. emissions from shutdown > cumulative mass emissions from leaking component(s) for which DOR is sought) {S/D STATUS}

☐ 2. "Extraordinary" repair efforts made to repair leak {S/D STATUS}

- ☐ Date of 1st "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____
- ☐ Date of 2nd "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____

(1st effort must be made within 7 days if > 10,000 ppm or 15 days if <= 10,000 ppm)

☐ 2a **Valves Only:** Demonstrate there is a safety, mechanical or major environmental concern posed by repairing the leak of all valves other than PSV's and automatic control valves using "extraordinary" efforts {UNSAFE STATUS}

☐ 3. The component listed above has been **REMOVED FROM VOC/HRVOC SERVICE** When the component is repaired and returned to service the **LDAR TEAM COORDINATOR MUST BE NOTIFIED IMMEDIATELY** to have Component re-monitored. {OHS STATUS}

☐ 4. Re-designing equipment to reduce emissions and/or preparatory work will take longer than anticipated (Pump and Compressor seal upgrades allowed provided the repair is made with regulatory timeframe, i.e. HRVOC within 6 months, VOC during next process unit S/D) {DLY STATUS}

Explanation for Delay of Repair required for criteria 2a, 3 and 4.

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Expected date of repair or process unit shutdown: 10-3-18

Operations Representative: [signature] 10-3-18
Signature Date

LDAR Team Representative: Michael D. Bowen 10-3-2018
Signature Date

For EMSI Use Only:

DOR Tag Hung By Technician: Kristie Novosad 10-3-18
Signature Date

Instrument ID#: _____ Component Repair Date: _____

EMSI Tech: _____ Component In Service Date: _____

Background Reading: _____ Component Remonitor Date: _____

Repair Method: _____ Remonitor Reading: _____

Start Time: _____ End Time: _____

10/3/2018

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE (D) 10/3/18

Lonestar Mont Belvieu FRAC 2

Area: 02	HRVOC: No	Tag: 15233-002
Location: 4TH LVL DIB STRCTR N OF FAN	Service Type: LIGHT LIQUID	Size:6
Type: FLANGE	Initial Reading: 2407	Equipment: DIBSTRUCTUR
Leak Source: FLANGE	Inspection Date: 09/18/2018	P&ID:

If repair of a component w/in 7 or 15 days after the leak is detected requires DOR, the following options are available: **(All DOR requirements are outlined in the Procedures for Delay of Repair Document attached to each DOR book)**

Repair could be delayed until the next scheduled process unit S/D provided one of the following criteria are met:

☒ 1. Meet the mass emissions calculation requirements (e.g. emissions from shutdown > cumulative mass emissions from leaking component(s) for which DOR is sought) {S/D STATUS}

☐ 2. "Extraordinary" repair efforts made to repair leak {S/D STATUS}

- ☐ Date of 1st "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____
- ☐ Date of 2nd "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____

(1st effort must be made within 7 days if > 10,000 ppm or 15 days if <= 10,000 ppm)

☐ 2a **Valves Only:** Demonstrate there is a safety, mechanical or major environmental concern posed by repairing the leak of all valves other than PSV's and automatic control valves using "extraordinary" efforts {UNSAFE STATUS}

☐ 3. The component listed above has been **REMOVED FROM VOC/HRVOC SERVICE** When the component is repaired and returned to service the **LDAR TEAM COORDINATOR MUST BE NOTIFIED IMMEDIATELY** to have Component re-monitored. {OHS STATUS}

☐ 4. Re-designing equipment to reduce emissions and/or preparatory work will take longer than anticipated (Pump and Compressor seal upgrades allowed provided the repair is made with regulatory timeframe, i.e. HRVOC within 6 months, VOC during next process unit S/D) {DLY STATUS}

Explanation for Delay of Repair required for criteria 2a, 3 and 4.

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Expected date of repair or process unit shutdown: 10-3-19

Operations Representative: [signature] 10-3-18
Signature Date

LDAR Team Representative: Michael A. Bowen 10-3-2018
Signature Date

For EMSI Use Only:

DOR Tag Hung By Technician: Krista Novosel 10.3.18
Signature Date

Instrument ID#: _____ Component Repair Date: _____

EMSI Tech: _____ Component In Service Date: _____

Background Reading: _____ Component Remonitor Date: _____

Repair Method: _____ Remonitor Reading: _____

Start Time: _____ End Time: _____

9/20/2018 Resign CD 9/20/18

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE

Lonestar Mont Belvieu Frac 2

Area: 02	HRVOC: No	Tag: 15421-002
Location: 1ST LVL DEBUT TWR PV17.003 SEQ AFTER 15401 OVHD	Service Type: LIGHT LIQUID	Size:0.75
Type: SCREWED CONNECTOR	Initial Reading: 522	Equipment: PV17.003
Leak Source: SCREWED CONNECTOR	Inspection Date: 09/13/2018	P&ID:

If repair of a component w/in 7 or 15 days after the leak is detected requires DOR, the following options are available: **(All DOR requirements are outlined in the Procedures for Delay of Repair Document attached to each DOR book)**

Repair could be delayed until the next scheduled process unit S/D provided one of the following criteria are met:

☑ 1. Meet the mass emissions calculation requirements (e.g. emissions from shutdown > cumulative mass emissions from leaking component(s) for which DOR is sought) {S/D STATUS}

☐ 2. "Extraordinary" repair efforts made to repair leak {S/D STATUS}

- ☐ Date of 1st "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____
- ☐ Date of 2nd "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____

(1st effort must be made within 7 days if > 10,000 ppm or 15 days if <= 10,000 ppm)

☐ 2a **Valves Only:** Demonstrate there is a safety, mechanical or major environmental concern posed by repairing the leak of all valves other than PSV's and automatic control valves using "extraordinary" efforts {UNSAFE STATUS}

☐ 3. The component listed above has been **REMOVED FROM VOC/HRVOC SERVICE** When the component is repaired and returned to service the **LDAR TEAM COORDINATOR MUST BE NOTIFIED IMMEDIATELY** to have Component re-monitored. {OHS STATUS}

☐ 4. Re-designing equipment to reduce emissions and/or preparatory work will take longer than anticipated (Pump and Compressor seal upgrades allowed provided the repair is made with regulatory timeframe, i.e. HRVOC within 6 months, VOC during next process unit S/D) {DLY STATUS}

Explanation for Delay of Repair required for criteria 2a, 3 and 4.

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Expected date of repair or process unit shutdown: 9-20-19

Operations Representative: [signature] 9-20-18
Signature Date

LDAR Team Representative: Ufulene D. Bowen 9.20.2018
Signature Date

For EMSI Use Only:

DOR Tag Hung By Technician: Kristy Underwood 9.20.18
Signature Date

Instrument ID#: _____ Component Repair Date: _____

EMSI Tech: _____ Component In Service Date: _____

Background Reading: _____ Component Remonitor Date: _____

Repair Method: _____ Remonitor Reading: _____

Start Time: _____ End Time: _____

7/1/2019

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7/1/19

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE

Lonestar Mont Belvieu FRAC2

Area: 02	HRVOC: No	Tag: 16777-002
Location: E SIDE OF NGASO KO DRUM PV17.032	Service Type: LIGHT LIQUID	Size:0.75
Type: SCREWED CONNECTOR	Initial Reading: 672	Equipment: PV17.032
Leak Source: SCREWED CONNECTOR	Inspection Date: 06/03/2019	P&ID:

If repair of a component w/in 7 or 15 days after the leak is detected requires DOR, the following options are available: **(All DOR requirements are outlined in the Procedures for Delay of Repair Document attached to each DOR book)**

Repair could be delayed until the next scheduled process unit S/D provided one of the following criteria are met:

☑ 1. Meet the mass emissions calculation requirements (e.g. emissions from shutdown > cumulative mass emissions from leaking component(s) for which DOR is sought) {S/D STATUS}

☐ 2. "Extraordinary" repair efforts made to repair leak {S/D STATUS}

- ☐ Date of 1st "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____
- ☐ Date of 2nd "extraordinary" effort: _____ Re-screen Result: _____ Date: _____
- ☐ Method of attempt: _____

(1st effort must be made within 7 days if > 10,000 ppm or 15 days if <= 10,000 ppm)

☐ 2a **Valves Only:** Demonstrate there is a safety, mechanical or major environmental concern posed by repairing the leak of all valves other than PSV's and automatic control valves using "extraordinary" efforts {UNSAFE STATUS}

☐ 3. The component listed above has been **REMOVED FROM VOC/HRVOC SERVICE** When the component is repaired and returned to service the **LDAR TEAM COORDINATOR MUST BE NOTIFIED IMMEDIATELY** to have Component re-monitored. {OHS STATUS}

☐ 4. Re-designing equipment to reduce emissions and/or preparatory work will take longer than anticipated (Pump and Compressor seal upgrades allowed provided the repair is made with regulatory timeframe, i.e. HRVOC within 6 months, VOC during next process unit S/D) {DLY STATUS}

Explanation for Delay of Repair required for criteria 2a, 3 and 4.

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Expected date of repair or process unit shutdown: 7-1-20

Operations Representative: _____ 7-1-19
Signature Date

LDAR Team Representative: Michael D. Bowen 7-1-2019
Signature Date

For EMSI Use Only:

DOR Tag Hung By Technician: _____ 7-1-19
Signature Date

Instrument ID#: _____ Component Repair Date: _____

EMSI Tech: _____ Component In Service Date: _____

Background Reading: _____ Component Remonitor Date: _____

Repair Method: _____ Remonitor Reading: _____

Start Time: _____ End Time: _____