2/20/2019

Resign

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE CD 2/20/19

Lonestar Mont Belvieu Frac 1

Area: 01	HRVOC: No	Tag: 10644-003
Location: 1ST LVL OF PV17.001	Service Type: LIGHT LIQUID	Size:2
Type: SCREWED CONNECTOR	Initial Reading: 651	Equipment: PV17.001
Leak Source: SCREWED CONNECTOR	Inspection Date: 02/06/2019	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: 2-20-20

Operations Representative: [signature] 2-20-19
Signature Date

LDAR Team Representative: Michael D. Bowen 2.20.2019
Signature Date

For EMSI Use Only:

DOR Tag Hung By Technician: [signature] 2.20.19
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: _____

2/11/2019

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE

CD 2/11/19

Lonestar Mont Belvieu Fracl

Area: 01	HRVOC: No	Tag: 10661A-001
Location: 1ST LVL OF PV17.001	Service Type: LIGHT LIQUID	Size:0.5
Type: SCREWED CONNECTOR	Initial Reading: 4314	Equipment: PV17.001
Leak Source: SCREWED CONNECTOR	Inspection Date: 01/31/2019	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: 2-11-20

Operations Representative: [signature] 2-11-19
Signature Date

LDAR Team Representative: Michael D. Bowen 2-11-2019
Signature Date

For EMSI Use Only:

DOR Tag Hung By Technician: [signature] 2-11-19
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: _____

2/11/2019

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE

VP 2/11/19

Lonestar Mont Belvieu Frac 1

Area: 01	HRVOC: No	Tag: 10661A-002
Location: 1ST LVL OF PV17.001	Service Type: LIGHT LIQUID	Size:0.5
Type: SCREWED CONNECTOR	Initial Reading: 1173	Equipment: PV17.001
Leak Source: SCREWED CONNECTOR	Inspection Date: 01/31/2019	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: 2-11-20

Operations Representative: [signature] 2-11-19
Signature Date

LDAR Team Representative: Wendell D. Bowen 2-11-2019
Signature Date

For EMSI Use Only:

DOR Tag Hung By Technician: [signature] 2.11.19
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 ICD 3/4/19

Lonestar Mont Belvieu Frac 1

Area: 01	HRVOC: No	Tag: 10665-000
Location: 1ST LVL OF PV17.001	Service Type: LIGHT LIQUID	Size:0.75
Type: SCREWED PROCESS VALVE	Initial Reading: 5275	Equipment: PV17.001
Leak Source: VALVE PACKING	Inspection Date: 02/20/2019	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: _____

3/4/2019

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE

CP 3/4/19

Lonestar Mont Belvieu Frac I

Area: 01	HRVOC: No	Tag: 10668-000
Location: 1ST LVL OF PV17.001	Service Type: LIGHT LIQUID	Size:0.75
Type: SCREWED PROCESS VALVE	Initial Reading: 2105	Equipment: PV17.001
Leak Source: VALVE PACKING	Inspection Date: 02/20/2019	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 S. 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: _____

Resign

2/20/2019

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE CD 2/20/19

Lonestar Mont Belvieu Frac 1

Area: 01	HRVOC: No	Tag: 10644-003
Location: 1ST LVL OF PV17.001	Service Type: LIGHT LIQUID	Size:2
Type: SCREWED CONNECTOR	Initial Reading: 651	Equipment: PV17.001
Leak Source: SCREWED CONNECTOR	Inspection Date: 02/06/2019	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: 2-20-20

Operations Representative: [signature] 2-20-19
Signature Date

LDAR Team Representative: Michael S. Bowen 2.20.2019
Signature Date

For EMSI Use Only:

DOR Tag Hung By Technician: [signature] 2.20.19
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: _____

2/18/2019

Resign

VCD 2/18/19

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE

Lonestar Mont Belvieu FRAC 1

Area: 01	HRVOC: No	Tag: 11094-000
Location: 1ST LVL FRAC STRCTR W SIDE	Service Type: LIGHT LIQUID	Size:10
Type: FLANGED PROCESS VALVE	Initial Reading: 872	Equipment: HT16.016
Leak Source: VALVE PACKING	Inspection Date: 02/06/2019	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: [signature] 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: _____

12/6/2018

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE CD 12/6/18

Lonestar Mont Belvieu FRAC 1

Area: 01	HRVOC: No	Tag: 11100-002
Location: 1ST LVL FRAC STRCTR W OF REBOILER HT16.018	Service Type: LIGHT LIQUID	Size:8
Type: FLANGE	Initial Reading: 548	Equipment: HT16.018
Leak Source: FLANGE	Inspection Date: 11/24/2018	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: 8-1-18

Operations Representative: _____ 12-6-18
Signature Date

LDAR Team Representative: Ufuel O. Bowen 12-6-2018
Signature Date

For EMSI Use Only:

DOR Tag Hung By Technician: _____ 12-6-18
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: _____

9/6/2018

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE (1) 9/6/18

Lonestar Mont Belvieu Frac

Area: 01	HRVOC: No	Tag: 11129-002
Location: 1ST LVL FRAC STRCTR E SIDE OF REBOILER HT16.018	Service Type: LIGHT LIQUID	Size:0.75
Type: SCREWED CONNECTOR	Initial Reading: 21463	Equipment: HT16.018
Leak Source: SCREWED CONNECTOR	Inspection Date: 08/23/2018	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: 2-1-19

Operations Representative: [signature] 9-6-18
Signature Date

LDAR Team Representative: Michael D. Bowen 9-6-2018
Signature Date

For EMSI Use Only:

DOR Tag Hung By Technician: Kristin Novosad 9.6.18
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: _____

8/3/2017

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE

Lonestar Mont Belvie Fracj

Area: 01	HRVOC: No	Tag: 15007-000
Location: 30 FT E OF MS 3850 ON ROW OF FCVS SDV-1000	Service Type: LIGHT LIQUID	Size:12
Type: FLANGED MOTOR OPERATED VALVE	Initial Reading: 5199	Equipment: MS-3850
Leak Source: TAP	Inspection Date: 07/21/2017	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: 8-4-22

Operations Representative: _____ (Signature) 8-4-17 (Date)

LDAR Team Representative: Michael D. Bowen (Signature) 8-4-2017 (Date)

For EMSI Use Only:

DOR Tag Hung By Technician: _____ (Signature) 8-4-17 (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: _____

10/30/2014

KD 10/30/14

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE

Lonestar Mont Belvieu Frac 1

Area: Off-Site	HRVOC: No	Tag: 15014-000
Location: 30 FT E OF MS 3850 ON ROW OF FCVS SDV-1370	Service Type: LIGHT LIQUID	Size:6
Type: FLANGED MOTOR OPERATED VALVE	Initial Reading: 8070	Equipment: MS-3850
Leak Source: VALVE PACKING	Inspection Date: 10/15/2014	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 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: 10-30-2019

Operations Representative: [signature] 10-30-2014
Signature Date

LDAR Team Representative: [signature] 10-30-14
Signature Date

For EMSI Use Only:

DOR Tag Hung By Technician: MBJ 10-30-14
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: _____

2/20/2019 Resign

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE 2/20/19

Lonestar Mont Belvieu Frac 1

Area: 01	HRVOC: No	Tag: 17130-000
Location: 2ND LVL FRAC STRCTR 20 FT S OF PV17.016 REFLUX ACCUM	Service Type: LIGHT LIQUID	Size: 10
Type: FLANGED PROCESS VALVE	Initial Reading: 2277	Equipment: PV17.016
Leak Source: VALVE PACKING	Inspection Date: 01/09/2019	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: 20-20-20

Operations Representative: [signature] 2-20-19
Signature Date

LDAR Team Representative: Michael D. Brown 2-20-2019
Signature Date

For EMSI Use Only:

DOR Tag Hung By Technician: [signature] 2-20-19
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: _____

8/14/2018

Resign

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE CD 8/14/18

Lonestar Mont Belvieu FracI

Area: 01	HRVOC: Yes	Tag: 17406-000
Location: 3RD LVL FRAC STRCTR S SIDE AT VESSEL S SIDE OVHD	Service Type: LIGHT LIQUID	Size:0.75
Type: WELDED PROCESS VALVE	Initial Reading: 1798	Equipment: HT16.001
Leak Source: VALVE PACKING	Inspection Date: 07/03/2018	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: 8-14-19

Operations Representative: [signature] 8-14-18
Signature Date

LDAR Team Representative: Richard D. Bowen 8-14-2018
Signature Date

For EMSI Use Only:

DOR Tag Hung By Technician: [signature] 8-14-18
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: _____

6/3/2019

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE

Lonestar Mont Belvieu Frac 1

Area: 01	HRVOC: Yes	Tag: 17411-001
Location: 3RD LVL FRAC STRCTR S SIDE AT VESSEL S SIDE OVHD	Service Type: LIGHT LIQUID	Size:0.75
Type: SCREWED CONNECTOR	Initial Reading: 2043	Equipment: HT16.001
Leak Source: SCREWED CONNECTOR	Inspection Date: 05/21/2019	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: 6-3-20

Operations Representative: [signature] 6-3-19
Signature Date

LDAR Team Representative: Michael D. Bowen 6-3-2019
Signature Date

For EMSI Use Only:

DOR Tag Hung By Technician: [signature] 6·3·19
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: _____

9/6/2018

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE 9/6/18

Lonestar Mont Belvieu Frac I

Area: 01	HRVOC: No	Tag: 17525-001
Location: 1ST LVL OF DEPROP TOWER PV17.002 S SIDE	Service Type: LIGHT LIQUID	Size:0.75
Type: SCREWED CONNECTOR	Initial Reading: 31261	Equipment: PV17.002
Leak Source: SCREWED CONNECTOR	Inspection Date: 08/23/2018	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 9-6-18 Date

LDAR Team Representative: Michael A Bowen Signature 9-6-2018 Date

For EMSI Use Only:

DOR Tag Hung By Technician: _____ Signature 9·6·18 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: _____

9/12/2018

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE 9/12/18

Lonestar Mont Belvieu Frac 1

Area: 01	HRVOC: No	Tag: 17527-000
Location: 1ST LVL OF DEPROP TOWER PV17.002 S SIDE	Service Type: LIGHT LIQUID	Size:0.75
Type: SCREWED PROCESS VALVE	Initial Reading: 8277	Equipment: PV17.002
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: Kristi Vorwerk 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: _____

5/28/2019

Resign

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE

VDS 5/28/19

Lonestar Mont Belvieu Frac 1

Area: 01	HRVOC: No	Tag: 17575-001
Location: 1ST LVL E SIDE OF PV17.017 KO DRUM OFF RAIL	Service Type: LIGHT LIQUID	Size:0.5
Type: SCREWED CONNECTOR	Initial Reading: 1197	Equipment: PV17.017
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: 5-28-20

Operations Representative: [signature] 5-28-19
Signature Date

LDAR Team Representative: [signature] 5-28-2019
Signature Date

For EMSI Use Only:

DOR Tag Hung By Technician: [signature] 5-28-19
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: _____

3/11/2019

VCD 3/11/19

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE

Lonestar Mont Belvieu FracI

Area: 01	HRVOC: No	Tag: 17589-000
Location: 1ST LVL E SIDE OF PV17.017 KO DRUM TOP OF SIGHT GLASS OFF LADDER	Service Type: LIGHT LIQUID	Size:0.75
Type: SCREWED PROCESS VALVE	Initial Reading: 1437	Equipment: PV17.017
Leak Source: VALVE PACKING	Inspection Date: 02/25/2019	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: 3-11-20

Operations Representative: _____ Signature 3-11-19 Date

LDAR Team Representative: _____ Signature 3-11-19 Date

For EMSI Use Only:

DOR Tag Hung By Technician: _____ Signature 3-11-19 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: _____

6/12/2018

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE

Lonestar Mont Belvieu FRAC1

Area: 01	HRVOC: No	Tag: 19062-000
Location: E SIDE OF REGEN EXCHANGER HT16.003	Service Type: LIGHT LIQUID	Size:8
Type: FLANGED PROCESS VALVE	Initial Reading: 1408	Equipment: HT16.003
Leak Source: VALVE PACKING	Inspection Date: 05/30/2018	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: 6-12-18

Operations Representative: _____ Signature 6-12-18 Date

LDAR Team Representative: Michael D Bowen Signature 6.12.2018 Date

For EMSI Use Only:

DOR Tag Hung By Technician: Kristi Ulmer Signature 6.12.18 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: _____

4/10/2019

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE VCD 4/10/19

Lonestar Mont Belvieu Frac 1

Area: 01	HRVOC: No	Tag: 19161-000
Location: W SIDE OF FEED DEHYDRATOR A PV17.039 UP LADDER	Service Type: LIGHT LIQUID	Size:2
Type: FLANGED PROCESS VALVE	Initial Reading: 688	Equipment: PV17.039
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: 4-20-20

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: _____

5/21/2019 Resign

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE VD 5/21/19

Lonestar Mont Belvieu Frac 1

Area: 01	HRVOC: No	Tag: 19194-000
Location: W SIDE OF FEED DEHYDRATOR B PV17.040 UP LADDER	Service Type: LIGHT LIQUID	Size:2
Type: FLANGED PROCESS VALVE	Initial Reading: 30802	Equipment: PV17.040
Leak Source: VALVE PACKING	Inspection Date: 05/16/2019	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: 5-21-20

Operations Representative: [signature] 5-21-19
Signature Date

LDAR Team Representative: Michael S. Bowen 5-21-2019
Signature Date

For EMSI Use Only:

DOR Tag Hung By Technician: [signature] 5-21-19
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: _____

5/24/2018

Resign

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE

CD 5/24/18

Lonestar Mont Belvieu FRACT

Area: 01	HRVOC: No	Tag: 19194-000
Location: W SIDE OF FEED DEHYDRATOR B PV17.040 UP LADDER	Service Type: LIGHT LIQUID	Size:2
Type: FLANGED PROCESS VALVE	Initial Reading: 1816	Equipment: PV17.040
Leak Source: VALVE PACKING	Inspection Date: 05/15/2018	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: 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: _____

6/11/2019

Resign

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE

6/11/19

Lonestar Mont Belvieu FRAC

Area: 01	HRVOC: No	Tag: 19234-000
Location: NW OF FEED DEHYDRATOR B PV17.040	Service Type: LIGHT LIQUID	Size: 12
Type: FLANGED PROCESS VALVE	Initial Reading: 20477	Equipment: PV17.040
Leak Source: VALVE PACKING	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: 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: _____

6/12/2018

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE CD 6/12/18

Lonestar Mont Belvieu Frac 1

Area: 01	HRVOC: No	Tag: 19237-000
Location: NW OF FEED DEHYDRATOR B PV17.040	Service Type: LIGHT LIQUID	Size:8
Type: FLANGED PROCESS VALVE	Initial Reading: 1280	Equipment: PV17.040
Leak Source: VALVE PACKING	Inspection Date: 05/30/2018	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: 6-12-18

Operations Representative: [signature] 6-12-18
Signature Date

LDAR Team Representative: Ufulani D Bowen 6-12-2018
Signature Date

For EMSI Use Only:

DOR Tag Hung By Technician: [signature] 6.12.18
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: _____

3/11/2019

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE CD 3/11/19

Lonestar Mont Belvieu Frac

Area: 01	HRVOC: No	Tag: 19237-000
Location: NW OF FEED DEHYDRATOR B PV17.040	Service Type: LIGHT LIQUID	Size:8
Type: FLANGED PROCESS VALVE	Initial Reading: 1772	Equipment: PV17.040
Leak Source: VALVE PACKING	Inspection Date: 02/25/2019	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: 3-11-20

Operations Representative: _____ Signature 3-11-19 Date

LDAR Team Representative: _____ Signature 3-11-19 Date

For EMSI Use Only:

DOR Tag Hung By Technician: _____ Signature 3-11-19 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: _____

5/13/2019

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE

5/13/19

Lonestar Mont Belvieu Fract

Area: 01	HRVOC: No	Tag: 19243-000
Location: NW OF FEED DEHYDRATOR B PV17.040	Service Type: LIGHT LIQUID	Size:2
Type: FLANGED PROCESS VALVE	Initial Reading: 2684	Equipment: PV17.040
Leak Source: VALVE PACKING	Inspection Date: 04/29/2019	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: 5-13-20

Operations Representative: [signature] 5-13-19
Signature Date

LDAR Team Representative: Michael D. Bowen 5-13-2019
Signature Date

For EMSI Use Only:

DOR Tag Hung By Technician: [signature] 5-13-19
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: _____

3/11/2019

(CD) 3/11/19

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE

Lonestar Mont Belvieu FRAC

Area: 01	HRVOC: No	Tag: 19248-000
Location: NW OF FEED DEHYDRATOR B PV17.040	Service Type: LIGHT LIQUID	Size:12
Type: FLANGED PROCESS VALVE	Initial Reading: 3782	Equipment: PV17.040
Leak Source: VALVE	Inspection Date: 02/26/2019	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: 3-11-20

Operations Representative: _____ Signature 3-11-19 Date

LDAR Team Representative: _____ Signature 3-11-19 Date

For EMSI Use Only:

DOR Tag Hung By Technician: _____ Signature 3.11.19 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: _____

'Kesign

8/14/2018

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE CD 8/14/18

Lonestar Mont Belvieu HRAC

Area: 01	HRVOC: No	Tag: 24874-002
Location: UNDER HOT OIL HEATER N END 1ST ROW	~~Service~~ Type: GAS / VAPOR	Size:0.75
Type: SCREWED CONNECTOR	Initial Reading: 585	Equipment: HR15.001
Leak Source: SCREWED CONNECTOR	Inspection Date: 08/03/2016	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: 8-14-19

Operations Representative: [signature] 8-14-18
Signature Date

LDAR Team Representative: Ufuhard D. Bowen 8.14.2018
Signature Date

For EMSI Use Only:

DOR Tag Hung By Technician: [signature] 8-14-18
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: _____

2/24/2015

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE

10 2/24/15

Lonestar Mont Belvieu Frac 1

Area: 01	HRVOC: No	Tag: 24642-000
Location: HOT OIL HEATER FUEL GAS SKID	Service Type: GAS / VAPOR	Size:0.5
Type: SCREWED CONNECTOR	Initial Reading: 69800	Equipment: HR15.001
Leak Source: SCREWED CONNECTOR	Inspection Date: 02/09/2015	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: _____

Operations Representative: _____ Signature 2-24-15 Date

LDAR Team Representative: _____ Signature 2-24-15 Date

For EMSI Use Only:

DOR Tag Hung By Technician: _____ Signature 2-24-15 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: _____

8/16/2018

Resign

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE 8/16/18

Lonestar Mont Belvieu Frac 1

Area: 01	HRVOC: No	Tag: 24793-002
Location: REGEN HEATER FUEL GAS SKID	Service Type: GAS / VAPOR	Size:0.5
Type: SCREWED CONNECTOR	Initial Reading: 2436	Equipment: HR15.002
Leak Source: SCREWED CONNECTOR	Inspection Date: 08/05/2016	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: 8-16-19

Operations Representative: [signature] 8-16-18
Signature Date

LDAR Team Representative: Michael D. Bowen 8-16-2018
Signature Date

For EMSI Use Only:

DOR Tag Hung By Technician: [signature] 8-16-18
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: _____

8/14/2018

Resign

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE

Lonestar Mont Belvieu FRAC 1

8/14/18

Area: 01	HRVOC: No	Tag: 24795-000
Location: REGEN HEATER FUEL GAS SKID	Service Type: GAS / VAPOR	Size:2
Type: FLANGED PROCESS VALVE	Initial Reading: 649	Equipment: HR15.002
Leak Source: VALVE PACKING	Inspection Date: 08/05/2016	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: 8-14-19

Operations Representative: [signature] 8-14-18
Signature Date

LDAR Team Representative: Michael D. Bowen 8·14·2018
Signature Date

For EMSI Use Only:

DOR Tag Hung By Technician: [signature] 8-14-18
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 1

Area: 01	HRVOC: No	Tag: 24844-001
Location: REGEN HEATER FUEL GAS SKID	Service Type: GAS / VAPOR	Size:0.75
Type: SCREWED CONNECTOR	Initial Reading: 54400	Equipment: HR15.001
Leak Source: SCREWED CONNECTOR	Inspection Date: 08/04/2016	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: 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: _____

8/16/2018

Resign

KD 8/16/18

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE

Lonestar Mont Belvieu Fract

Area: 01	HRVOC: No	Tag: 24940-002
Location: UNDER HOT OIL HEATER MID 3RD ROW	Service Type: GAS / VAPOR	Size:0.75
Type: SCREWED CONNECTOR	Initial Reading: 575	Equipment: HR15.001
Leak Source: SCREWED CONNECTOR	Inspection Date: 08/04/2016	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: 8-16-19

Operations Representative: [signature] 8-16-18
Signature Date

LDAR Team Representative: Michael D. Bowen 8-16-2018
Signature Date

For EMSI Use Only:

DOR Tag Hung By Technician: Krish Mavosid 8-16-18
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: _____

6/4/2014

BCP 6/11

NOTIFICATION OF DELAY OF REPAIR

LONE STAR NGL MONT BELVIEU LP (0108-090)

Plant Area	FRAC1	Equipment	PM18.038B
Tag No	20431.3	SubArea	02
Location	SOUTH SIDE OF UNIT @ PM18.038B	PNID	
Type	SCREWED CONNECTOR	Line No	
Size	0.75	Line Size	0.00
Work Order #		Product	PROPA
Phase	LL HRVOC No	S.A.P. Notification#	
Last Read	122900	Last Non-Leak Read	7
Last Mon Dt	6/3/2014 9:4	Last Non-Leak Mon Dt	4/24/2014

Original Mon Date 6/2/2014 Limits: 5 Day: 6/7/2014 15 Day: 6/17/2014 Part Leaking: SC

The component identified above cannot be repaired within 15 days. The following information applies (check which statement applies).

- [x] Repair not feasible without a process unit shutdown. Repair will be accomplished before the end of the next shutdown. [S/D STATUS]
- [ ] Atmospheric emission associated with immediate repair is greater than the fugitive emission resulting from delay of repair and delaying the repair will allow for less atmospheric emissions. [DLY STATUS]
- [ ] The equipment listed above has been TAKEN OUT OF VOC SERVICE. When the equipment is repaired and put back in service the FUGITIVE EMISSION GROUP MUST BE NOTIFIED AS SOON AS POSSIBLE. [OHS STATUS]

Please complete the following information:

Expected date of repair or unit shutdown: 6-10-15

Signature of equipment owner/date: Signature 6-10-14 Date Signed

Signature of Maintenance Rep.: Signature Date Signed

Explain reason for delaying the repair of this component:

Red Shut Down Tag Hung By

Technician: Date: 6-10-14

Produced by: Emission Monitoring Service, Inc 400 S. Hwy 146, Baytown, TX 77520
Phone: (281) 428-1140 Fax: (281) 428-1203

9/12/2018

Resign

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE 9/12/18

Lonestar Mont Belvieu FRAC 1

Area: 02	HRVOC: No	Tag: 20585-000
Location: N PM18.040B @ C/L PV 1196	Service Type: LIGHT LIQUID	Size: 12
Type: FLANGED PROCESS VALVE	Initial Reading: 1217	Equipment: PM18.038A/B
Leak Source: VALVE PACKING	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: 9-12-19

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

LDAR Team Representative: Ufulani D. Bowen 9.12.2018
Signature Date

For EMSI Use Only:

DOR Tag Hung By Technician: Kristin Norwood 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: _____

6/19/2018 Resign 6/19/18

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE

Lonestar Mont Belvieu Frac 1

Area: 02	HRVOC: No	Tag: 20721-001
Location: SW OF CT W OF UTILITIES HDR OVHD ON 2" LINE SCISSOR LIFT	Service Type: LIGHT LIQUID	Size:0.75
Type: PLUG	Initial Reading: 624	Equipment: FLARE
Leak Source: VALVE PACKING	Inspection Date: 06/05/2016	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: 6-19-19

Operations Representative: [signature] 6-19-18
Signature Date

LDAR Team Representative: Michael D. Bowen 6.19.2018
Signature Date

For EMSI Use Only:

DOR Tag Hung By Technician: [signature] 6-19-18
Signature Date

Instrument ID#: _____ Component Repair Date: _____

EMSI Tech: _____ Component In Service Date: _____

Background Reading: _____ Component Remonitor Date: _____

Rep Repair Method: _____ Remonitor Reading: _____

Start Time: _____ End Time: _____

7/1/2019

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE CD 7/1/19

Lonestar Mont Belvieu Frac 1

Area: 02	HRVOC: No	Tag: 20731-002
Location: SW SIDE OF CT @ MNFD	Service Type: LIGHT LIQUID	Size:6
Type: FLANGE	Initial Reading: 23661	Equipment: PM18. 039A/B
Leak Source: FLANGE	Inspection Date: 06/18/2019	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: 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: _____

7/2/2019

VD 7/2/19

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE

Lonestar Mont Belvieu Frac 1

Area: 02	HRVOC: No	Tag: 21542-000
Location: E SIDE OF DIB PUMP CM12.003A OVHD	Service Type: GAS / VAPOR	Size:12
Type: FLANGE	Initial Reading: 649	Equipment: DIBHEATPUM
Leak Source: FLANGE	Inspection Date: 06/20/2019	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: 7-2-20

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

LDAR Team Representative: Michael D. Bowen 7.2.2019
Signature Date

For EMSI Use Only:

DOR Tag Hung By Technician: [signature] 7.2.19
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: _____

7/2/2019

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE (A) 7/2/19

Lonestar Mont Belvieu Fracl

Area: 02	HRVOC: No	Tag: 21749-002
Location: N SIDE OF DIB PUMP CM12.003A OVHD SCAFFOLD	Service Type: GAS / VAPOR	Size:0.75
Type: TUBING FITTING	Initial Reading: 5064	Equipment: DIBHEATPUM
Leak Source: TUBING CONNECTOR	Inspection Date: 06/20/2019	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: 7-2-20

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

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

For EMSI Use Only:

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

7/10/2018

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE 7/10/18

Lonestar Mont Belvieu Fract

Area: 02	HRVOC: No	Tag: 21828-000
Location: E SIDE OF DIB PUMP CM12.003B OVHD	Service Type: GAS / VAPOR	Size:12
Type: FLANGE	Initial Reading: 586	Equipment: DIBHEATPUM
Leak Source: FLANGE	Inspection Date: 06/28/2018	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: _____ 6-1-19

Operations Representative: _____ 7-10-18
Signature Date

LDAR Team Representative: Michael D. Bowen 7.10.2018
Signature Date

For EMSI Use Only:

DOR Tag Hung By Technician: _____ 7-10-18
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: _____

3/21/2019

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE

3/21/19

Lonestar Mont Belvieu Frac 1

Area: 02	HRVOC: No	Tag: 21831-001
Location: N SIDE OF DIB PUMP CM12.003A OVHD EXT PROBE	Service Type: GAS / VAPOR	Size:0.75
Type: SCREWED CONNECTOR	Initial Reading: 2169	Equipment: DIBHEATPUM
Leak Source: SCREWED CONNECTOR	Inspection Date: 03/07/2019	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: 3-21-20

Operations Representative: [signature] 3-21-19
Signature Date

LDAR Team Representative: Michael D. Bowen 3-21-2019
Signature Date

For EMSI Use Only:

DOR Tag Hung By Technician: [signature] 3-21-19
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: _____

10/9/2018

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE 10/9/18

Lonestar Mont Belvieu FRAC

Area: 02	HRVOC: No	Tag: 22148-002
Location: W SIDE OF PV17.018 @ SG UP LADDER (B)	Service Type: LIGHT LIQUID	Size:0.75
Type: SCREWED CONNECTOR	Initial Reading: 536	Equipment: PV17.018
Leak Source: SCREWED CONNECTOR	Inspection Date: 09/25/2018	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: 6-7-15

Operations Representative: [signature] 10-9-18
Signature Date

LDAR Team Representative: Michael D. Bowers 10.9.2018
Signature Date

For EMSI Use Only:

DOR Tag Hung By Technician: Kristy Norwood 10.9.18
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

3/21/2019

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN ~~VOC~~ HRVOC SERVICE 3/21/19

Lonestar Mont Belvieu Frac 1

Area: 02	HRVOC: No	Tag: 22410-001
Location: NW SIDE OF REBOILER @ 2ND LVL OF SG	Service Type: LIGHT LIQUID	Size:0.5
Type: SCREWED CONNECTOR	Initial Reading: 2380	Equipment: PV17.004
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: 3-21-20

Operations Representative: [signature] 3-21-19
Signature Date

LDAR Team Representative: [signature] 3.21.2019
Signature Date

For EMSI Use Only:

DOR Tag Hung By Technician: [signature] 3.21.19
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: _____

4/2/2019

Resign

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE

VD 4/2/19

Lonestar Mont Belvieu FRAC 1

Area: 02	HRVOC: No	Tag: 22526-000
Location: 1ST LVL OF DIB STRUCT E SIDE OF PV17.014 BTM	Service Type: LIGHT LIQUID	Size:12
Type: FLANGE	Initial Reading: 530	Equipment: PV17.014
Leak Source: FLANGE	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: 4-2-20

Operations Representative: [signature] 4-2-19
Signature Date

LDAR Team Representative: Michael D. Bowen 4.2.2019
Signature Date

For EMSI Use Only:

DOR Tag Hung By Technician: [signature] 4.2.19
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 (D) 7/3/18

Lonestar Mont Belvieu Frac 1

Area: 02	HRVOC: No	Tag: 22567-003
Location: 1ST LVL OF DIB STRCT W OF PV17.014 @ SG	Service Type: LIGHT LIQUID	Size:2
Type: SCREWED CONNECTOR	Initial Reading: 19742	Equipment: PV17.014
Leak Source: SCREWED CONNECTOR	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: 7-3-19

Operations Representative: [signature] 7-3-18
Signature Date

LDAR Team Representative: Michael O. Bowen 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: _____

4/2/2019 Resign

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE VD 4/2/19

Lonestar Mont Belvieu Frac 1

Area: 02	HRVOC: No	Tag: 22873-000
Location: N OF HT16.002 ON DECK	Service Type: LIGHT LIQUID	Size:6
Type: FLANGED PROCESS VALVE	Initial Reading: 615	Equipment: HT16.002
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.

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Expected date of repair or process unit shutdown: 4-2-20

Operations Representative: [signature] 4-2-19
Signature Date

LDAR Team Representative: Michael D. Bowers 4.2.2019
Signature Date

For EMSI Use Only:

DOR Tag Hung By Technician: [signature] 4.2.19
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: _____

3/26/2019

NOTIFICATION OF DELAY OF REPAIR FOR COMPONENTS IN VOC HRVOC SERVICE 3/26/19

Lonestar Mont Belvieu Frac 1

Area: 02	HRVOC: No	Tag: 23017-000
Location: 6TH LVL OF DEBUTANIZER PV17.003	Service Type: LIGHT LIQUID	Size:24
Type: MANWAY	Initial Reading: 754	Equipment: PV17.003
Leak Source: MANWAY	Inspection Date: 03/11/2019	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: 3-26-20

Operations Representative: [signature] 3-26-19
Signature Date

LDAR Team Representative: Michael D. Bowen 3-26-2019
Signature Date

For EMSI Use Only:

DOR Tag Hung By Technician: [signature] 3-26-19
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: _____