

## Worksheet

HAZOP-PC 1.00

Company: DOW CHEMICAL CO.  
Process: HDPE - POLY B

Node: 7  
Page: 1

| Node: 7 D-2302 Vent to Flare Header |                 |                                                                                                            |                                                                |                                     |    |
|-------------------------------------|-----------------|------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|-------------------------------------|----|
| Parameter: Flow                     |                 |                                                                                                            | Intention: 218 Lb. / Hr.                                       |                                     |    |
| GUIDEWORD                           | DEVIATION       | POSSIBLE CAUSES                                                                                            | CONSEQUENCES                                                   | RECOMMENDATIONS                     | BY |
| No                                  | No Flow         | Train shut down.<br>Loss of feed to<br>DR-2007.<br>High pressure in<br>the flare header.<br>Valve blocked. | Condensation from<br>flare header.<br>D-2302<br>contamination. | Evaluate nitrogen<br>purge in line. | GH |
| More                                | More Flow       |                                                                                                            | See More Pressure                                              |                                     |    |
| Reverse                             | Reverse<br>Flow |                                                                                                            | See No Flow                                                    |                                     |    |

DO A 120957  
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## Worksheet

HAZOP-PC 1.00

Company: DOW CHEMICAL CO.

Node: 7

Process: HDPE - POLY B

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|                                     |                 |                 |                    |                                                                            |    |
|-------------------------------------|-----------------|-----------------|--------------------|----------------------------------------------------------------------------|----|
| Node: 7 D-2302 Vent to Flare Header |                 |                 |                    |                                                                            |    |
| Parameter: Pressure                 |                 |                 | Intention: 1. psig |                                                                            |    |
| GUIDEWORD                           | DEVIATION       | POSSIBLE CAUSES | CONSEQUENCES       | RECOMMENDATIONS                                                            | BY |
| More                                | Higher Pressure |                 |                    | Evaluate place to route reactor compressor seal flush, D-2010 return line. | GH |