

# BARRIER HEALTH INSPECTION FORM

The intention of this inspection is to verify the health of our barriers and mitigate/prevent the impact of an incident.

Findings should be risk ranked and corrective actions recommended, to address any non-conformances identified. These would then be categorized as an HSSE P1 - P3 item and tracked to closure.

Conversations and agreement on the actions to be taken, must be held with the responsible person with an agreement on the risk ranking and target close out date.

Managers of the respective departments will be held accountable for the closure of the HSSE P1 - P3 items.

A maximum of two (2) inspection categories can be entered per report.

If more than two (2) inspection categories were assessed, then you would be required to re-enter the information.

Rev 0 – 1/07/2021

\* Required

1

Please input your name \*

2

Your department \*

3

Date assessment was completed \* (dd/mm/yyyy)

4

Facility Location \*

5

Specific Location \*

6

First Participant \*

7

First Participant's Department \*

8

Second Participant \*

9

Second Participant's Department \*

10

Third Participant \*

11

Third Participant's Department \*

12

Fourth Participant \*

13

Fourth Participant's Department \*

**14**

Inspection Categories \*

**15**

Barrier Health Assessment Findings \*

**16**

Immediate Action Taken \*

Impact Level \*

- 1 – Insignificant
- 2 – Minor
- 3 – Moderate
- 4 – Major/Significant
- 5 – Critical

Impact level	HSSE	Security Threat Level (Draft)
<b>5 Critical</b>	<ul style="list-style-type: none"> <li>• Fatality / Permanent Disability/ serious chronic occupational disease</li> <li>• Leak or spill of hazardous material into the receiving environment -                             <ul style="list-style-type: none"> <li>(1) &gt; or = 350,000 bbls of hydrocarbon material</li> <li>(2) hazardous chemical/material</li> <li>(3) gas transmission pipeline, distribution mainline or large-diameter piping rupture</li> </ul> </li> <li>• National or international environmental catastrophe or major disaster that is not easily remedied (long-term environmental impairment of ecosystem) or not recoverable</li> <li>• Total Loss/write off of infrastructure /asset &gt; TT\$150M</li> </ul>	<b>Kidnapping / Bombing /Incursion</b>
<b>4 Major/ Significant</b>	<ul style="list-style-type: none"> <li>• Lost time injury or illness exceeding 3 days without Permanent Disability ; Temporary Disabilities or hospitalization</li> <li>• Leak or spill of hazardous material into the receiving environment of -                             <ul style="list-style-type: none"> <li>(1) 15,000 - 349,999 bbls of hydrocarbon material</li> <li>(2) hazardous chemical/material</li> <li>(3) gas distribution pipeline rupture, piping rupture or gas transmission pipeline or distribution mainline hole/damage; small diameter piping rupture</li> </ul> </li> <li>• Localised impact /serious - it is difficult to correct but is recoverable</li> <li>• Damage to infrastructure/asset (Range TT\$100M – TT\$150M)</li> </ul>	<b>Threat Level requiring evacuation or activity cancellation</b>
<b>3 Moderate</b>	<ul style="list-style-type: none"> <li>• Minor injury or illness with lost time not exceeding 3 days /Multiple recordable incidents</li> <li>• Leak or spill of hazardous material into the receiving environment of -                             <ul style="list-style-type: none"> <li>(1) 200 - 14,999 bbls of hydrocarbon material or</li> <li>(2) non hazardous chemical/material</li> <li>(3) Grade 1 (as per pipeline Emergency Response procedure) gas pipeline or piping leak</li> </ul> </li> <li>• Short to medium term environmental impact, easily recoverable</li> <li>• Damage to infrastructure/asset (\$50M-100M)</li> </ul>	<b>Threat Level requiring armed security/police/army protection</b>
<b>2 Minor</b>	<ul style="list-style-type: none"> <li>• First Aid Required, minor injury or illness without lost time. Medical treatment with restricted duty</li> <li>• Leak or spill of hazardous material into the receiving environment of -                             <ul style="list-style-type: none"> <li>(1) 11L - 200 bbls of hydrocarbon material or</li> <li>(2) non hazardous chemical/material</li> <li>(3) Grade 2 (as per Pipeline Emergency Response Procedure) gas pipeline or piping leak</li> </ul> </li> <li>• Short term environmental impact with little effects on biological or physical environment, recoverable over a short period</li> <li>• Damage to infrastructure/asset (Range 10M –49M)</li> </ul>	<b>Threat Level requiring private security escorts/patrols</b>
<b>1 Insignificant</b>	<ul style="list-style-type: none"> <li>• No injury or illness</li> <li>• Leak or spill of hazardous material into the receiving environment of -                             <ul style="list-style-type: none"> <li>(1) hydrocarbon material less than 10L or</li> <li>(2) other hazardous chemical/material</li> <li>(3) Grade 3 (as per Pipeline Emergency Response Procedure) gas pipeline or piping leak</li> </ul> </li> <li>• No impact/harmless - No potential for environmental harm, the environment is immediately recoverable</li> <li>• Little/no damage to infrastructure/asset or Minimal damage to infrastructure/asset not exceeding \$10M</li> </ul>	<b>Verbal / Non-violent Threats</b>

## Likelihood Rating \*

1 – Rare

2 – Unlikely

3 – Possible

4 – Likely

5 – Almost Certain

Ranking	Likelihood of occurrence / Certainty
5 Almost certain	Known to occur once per year in the company (>70%)
4 Likely	Expected to occur (>50%)
3 Possible	Possible to occur (>30%)
2 Unlikely	Not expected nor anticipated to occur (>5%)
1 Rare	Extremely unlikely to occur during the time under consideration (<5%)

19

Recommendations/ Actions to be taken \*

20

How would you rate the health of this barrier? \*

Good

Needs improvement

Poor

21

Action Owner \*

22

Target Date of Closure \* (dd/mm/yyyy)

**23**

Actual Close Out Date (if addressed immediately) \* (dd/mm/yyyy)

**24**

Do you have another inspection category to add to this report? \*

Yes

No