

# How to Use this Document

Click 'Enable Macros' in the yellow bar at the top of the screen if present  
Select the 'Form' sheet and enter your data there, one row per incident

Some columns will provide dropdowns - please fill these columns by selecting a value from the dropdown. If the tooltip indicates "Select all that apply", you may reopen the dropdown and select an additional value to append it to the column. This may be done as many times as necessary. To remove a selected value, simply delete the relevant text from the cell.

## Field Reference

Column Name

Event Type

Event Category

Event Category Desc

Event Date and Time

Event Description

Actual Consequences

Potential Consequences

Actual Consequences Desc

Potential Consequences Desc

Process Safety Event

PSE Tier

Other PSE Data

Location Information

Location Information Desc

Physical Location

Water Depth

Other Location Data

Asset Type

Asset Subtype

Asset Type Desc

Asset Subtype Desc

Operation Type

Operation Type Desc

Other Asset and Activity Information

Location on Asset

Location on Asset Desc

Activity

Activity Category

Activity Desc

Is the Number of Injured Persons Known?

Injury/Illness Classification

Injury/Illness Classification Desc

Injured Party Type

Injured Party Type Desc

Injured Body Part

Injured Body Subpart

Body Part Desc

Body Subpart Desc

Injury Type

Injury Subtype

Injury Type Desc

Injury Subtype Desc

Injured Body Part Position

Injured Job Title  
Injured Job Category  
Injured Short Service Employee  
Injured Years of Experience  
Injured Day of Hitch  
Injured Evacuated  
Other Injury Data

Fire Fuel Type Category  
Fuel Type Category Desc  
Source of Ignition Category  
Source of Ignition Desc  
Duration of Fire  
Duration of Fire Desc  
Fire Method of Extinguishment  
Hazard Area Classification  
Fire Temporary Equipment  
Other Fire Data

LOPC Release To  
LOPC Material Released  
Material Released Desc  
LOPC Containment Area  
LOPC Volume  
LOPC Volume Units  
LOPC Secured  
LOPC Contained  
LOPC Description

Property Damage Description  
Dropped Object Description

Extent of Damage  
Property Damage Cost  
Material Overboard  
Material Overboard Recovered

#### DROPS Classification

Causal Factor Category  
Causal Factor Subcategory  
Causal Factor Category Description  
Causal Factor Subcategory Description  
Causal Factor Narrative  
Corrective Actions

Other Investigation Data

Stop Work?

Other Stop Work Data

Weather Factor  
Wave Height  
Wave Height Units  
Current Speed  
Current Speed Units  
Current Direction  
Wind Speed  
Wind Speed Units  
Wind Direction  
Water Temperature  
Water Temperature Units  
Air Temperature  
Air Temperature Units  
Other Weather Data

Other Data

### Column Description

An event type is defined by whether it has consequences. Alternatively, it may be a safety observation.

General category of event.

Event category description.

Date and time that the event occurred.

Text description of what occurred.

Actual consequences category (e.g., injury, damage, etc.).

Description of actual consequences (e.g., injury, damage, etc.).

Potential consequences category (e.g., injury, damage, etc.).

Description of potential consequences (e.g., injury, damage, etc.).

Unplanned or uncontrolled loss of primary containment (LOPC) from a process, or an undesired event or condition that could have resulted in LOPC.

Level of severity as defined by IOGP 456.

Other source data fields that contain process safety event data.

Category of general geographic area where event occurred.

Description of the general geographic area where event occurred.

Category of water depth where event occurred (deepwater, shelf, or onshore).

Water depth where event occurred (ft).

Other source data fields that contain location information.

Category of asset or facility where the event occurred (e.g., production, rig, marine vessel, aviation, other).

Subcategory of asset or facility where the event occurred (e.g., production, rig, marine vessel, aviation, other).

The description of the asset or facility where the event occurred (e.g., production, rig, marine vessel, aviation, other).

The description of the asset or facility where the event occurred (e.g., production, rig, marine vessel, aviation, other).

Category of operation that was occurring at the time of the event.

Description of the operation that was occurring at the time of the event.

Other source data fields that contain asset or activity data.

Category of description of specifically where on the asset or facility that the event occurred.

Description of specifically where on the asset or facility that the event occurred.

Category of the description of activity being performed at the time of the event.

Is this activity being performed at the time of the event the primary activity, a secondary activity, or unknown?

Description of the activity being performed at the time of the event.

Whether the number of injured parties is known from the source data.

Injury or illness classification.

Description of the injury or illness classification.

Category of injured party (employee, contractor, or other).

Description of injured party type.

The specific body part affected.

The specific body subpart affected.

Description of the specific body part and subpart affected.

Description of the specific body subpart affected.

The specific type of injury.

The specific subtype of injury.

Description of the specific type of injury.

Description of the specific subtype of injury.

Description of the position of the injured party's body part or subpart at the time of the incident.

Job title of the injured party.

Job category of the injured party (supervisor or worker).

Injured party classified as a short service worker.

Injured party's experience with the company in years.

The injured party's day of hitch (1 = first day of hitch, 2 = second day, etc.).

Injured party evacuated from the facility.

Other source data fields that contain injury event data.

Category of fuel that resulted in fire or explosion.

Description of fuel that resulted in fire or explosion.

Category of ignition source that resulted in fire or explosion.

Description of ignition source that resulted in fire or explosion.

How long did the fire last (in minutes) before being extinguished?

Description of how long fire lasted before being extinguished.

Description of how fire was extinguished.

Hazard area classification for the area where the fire occurred.

Fire occurred in the area where temporary equipment was installed and/or in use.

Other source data fields that contain fire event data.

What was the impact of the LOPC release on the surrounding area?

Category of material released in an LOPC event.

Description of the material released in an LOPC event.

Did the LOPC release occur onsite?

How much material was released in the LOPC event?

Units for reported volume released in LOPC event.

Material release secured (yes) or continuous (no).

Was the material release contained (yes/no/partial)?

Description of the Loss of Primary Containment (LOPC) event.

Description of the property or equipment that was damaged.

Description of the object that was dropped.



Description that clarifies that extent of the damage.

Cost estimate of the damage incurred in dollars.

Object dropped overboard.

Object dropped overboard recovered.

Description of severity of potential consequence per industry chart that plots weight of object vs. distance dropped. DROPS stands for Dropped Objects Prevention Scheme, <https://www.dropsonline.org/>.

Category of causal factor attributed to this event.

Subcategory of causal factor attributed to this event.

Description of causal factor category attributed to this event.

Description of causal factor subcategory attributed to this event.

Description of the causal factors.

Description of corrective actions taken.

Other source data fields that contain investigation or causation data.

Action by worker to halt all work when unsafe condition is observed.

Other source data fields that contain stop work event data.

Determination on if weather was a contributing factor to the event.

Wave height at the time the event occurred.

Wave height unit at the time the event occurred.

Current speed at the time the event occurred.

Current speed unit at the time the event occurred.

Ocean current direction at the time the event occurred.

Wind speed at the time the event occurred.

Wind speed unit at the time the event occurred.

Wind direction at the time the event occurred.

Water temperature at the time the event occurred.

Water temperature unit at the time the event occurred.

Ambient air temperature at the time the event occurred.

Ambient air temperature units at the time the event occurred.

Other source data fields that contain weather data.

Source data fields that were not otherwise mapped.

| Event ID              | Event Type  | Event Category             | Event Category Desc         |
|-----------------------|---|----------------------------|-----------------------------|
| Column<br>Description | An event type is defined by whether it has consequences. Alternatively, it may be a safety observation. | General category of event. | Event category description. |
| EXAMPLE               | with consequences   | personal safety,           | Additional Information      |

| Event Date and Time                    | Event Description                  | Actual Consequences  | Potential Consequences   |
|--|------------------------------------|--|--|
| Date and time that the event occurred. | Text description of what occurred. | Actual consequences category (e.g., injury, damage, etc.). | Description of actual consequences (e.g., injury, damage, etc.). |

05/18/2021 1:00PM      Description of Event property damage

| Actual Consequences Desc                                      | Potential Consequences Desc   | Process Safety Event  |
|---|---|---|
| Potential consequences category (e.g., injury, damage, etc.). | Description of potential consequences (e.g., injury, damage, etc.). | Unplanned or uncontrolled loss of primary containment (LOPC) from a process, or an undesired event or condition that could have resulted in LOPC. |

Additional Info

| PSE Tier                                  | Other PSE Data   | Location Information                                      | Location Information Desc  |
|---|--|---|--|
| Level of severity as defined by IOGP 456. | Other source data fields that contain process safety event data. | Category of general geographic area where event occurred. | Description of the general geographic area where event occurred. |

tier 1

gulf of mexico

| Physical Location  | Water Depth                            | Other Location Data   | Asset Type  |
|--|--|---|---|
| Category of water depth where event occurred (deepwater, shelf, or onshore). | Water depth where event occurred (ft). | Other source data fields that contain location information. | Category of asset or facility where the event occurred (e.g., production, rig, marine vessel, aviation, other). |
| offshore shelf (<1000 ft.)   | 500                                    |   | production  |

| Asset Subtype  | Asset Type Desc  |
|--|--|
| Subcategory of asset or facility where the event occurred (e.g., production, rig, marine vessel, aviation, other). | The description of the asset or facility where the event occurred (e.g., production, rig, marine vessel, aviation, other). |
| floating production storage and offloading vessel  | Additional Info  |



| Asset Subtype Desc   | Operation Type   | Operation Type Desc   |
|--|--|---|
| The description of the asset or facility where the event occurred (e.g., production, rig, marine vessel, aviation, other). | Category of operation that was occurring at the time of the event. | Description of the operation that was occurring at the time of the event. |

Additional Info                      production

| Other Asset and Activity Information                          | Location on Asset   | Location on Asset Desc  |
|---|---|---|
| Other source data fields that contain asset or activity data. | Category of description of specifically where on the asset or facility that the event occurred. | Description of specifically where on the asset or facility that the event occurred. |

tanks/vessels area

| Activity  | Activity Category   | Activity Desc   |
|---|---|---|
| Category of the description of activity being performed at the time of the event. | Is this activity being performed at the time of the event the primary activity, a secondary activity, or unknown? | Description of the activity being performed at the time of the event. |
| confined space entry  | primary   |   |

Is the Number of Injured Persons Known?

Injury/Illness Classification

Whether the number of injured parties is known from the source data.

Injury or illness classification.

no

first\_aid

| Injury/Illness Classification Desc                   | Injured Party Type  | Injured Party Type Desc            | Injured Body Part                |
|--|---|------------------------------------|----------------------------------|
| Description of the injury or illness classification. | Category of injured party (employee, contractor, or other). | Description of injured party type. | The specific body part affected. |
|  | employee  |                                    | upper extremities                |

| Injured Body Subpart                | Body Part Desc  | Body Subpart Desc                                  | Injury Type                  | Injury Subtype                  |
|-------------------------------------|---|--|------------------------------|---------------------------------|
| The specific body subpart affected. | Description of the specific body part and subpart affected. | Description of the specific body subpart affected. | The specific type of injury. | The specific subtype of injury. |
| arm- elbow                          |   |  | burn                         | thermal burn                    |

| Injury Type Desc                            | Injury Subtype Desc                            | Injured Body Part Position   | Injured Job Title               |
|---|--|--|---------------------------------|
| Description of the specific type of injury. | Description of the specific subtype of injury. | Description of the position of the injured party's body part or subpart at the time of the incident. | Job title of the injured party. |

| Injured Job Category                                      | Injured Short Service Employee                      | Injured Years of Experience                           |
|---|---|---|
| Job category of the injured party (supervisor or worker). | Injured party classified as a short service worker. | Injured party's experience with the company in years. |

worker

no



| Injured Day of Hitch   | Injured Evacuated                          | Other Injury Data  | Fire Fuel Type Category                              |
|--|--|--|--|
| The injured party's day of hitch (1 = first day of hitch, 2 = second day, etc.). | Injured party evacuated from the facility. | Other source data fields that contain injury event data. | Category of fuel that resulted in fire or explosion. |

no

hydrocarbon gas

| Fuel Type Category Desc                                 | Source of Ignition Category                                     | Source of Ignition Desc  | Duration of Fire   |
|---|---|--|--|
| Description of fuel that resulted in fire or explosion. | Category of ignition source that resulted in fire or explosion. | Description of ignition source that resulted in fire or explosion. | How long did the fire last (in minutes) before being extinguished? |
|   | thermal   |  |  |

| Duration of Fire Desc  | Fire Method of Extinguishment             | Hazard Area Classification                                       |
|--|---|--|
| Description of how long fire lasted before being extinguished. | Description of how fire was extinguished. | Hazard area classification for the area where the fire occurred. |

| Fire Temporary Equipment   | Other Fire Data  | LOPC Release To  | LOPC Material Released                          |
|--|--|--|---|
| Fire occurred in the area where temporary equipment was installed and/or in use. | Other source data fields that contain fire event data. | What was the impact of the LOPC release on the surrounding area? | Category of material released in an LOPC event. |
|  |  | water  | hydrocarbon gas                                 |

| Material Released Desc   | LOPC Containment Area      | LOPC Volume                                       | LOPC Volume Units                                 | LOPC Secured                                       |
|--|----------------------------|---|---|--|
| Description of the material released in an LOPC event. onsite? | Did the LOPC release occur | How much material was released in the LOPC event? | Units for reported volume released in LOPC event. | Material release secured (yes) or continuous (no). |
|  | inside 500m zone           |   | 100 Gallons                                       | yes  |

| LOPC Contained                                       | LOPC Description   | Property Damage Description                                | Dropped Object Description                  |
|--|--|--|---|
| Was the material release contained (yes/no/partial)? | Description of the Loss of Primary Containment (LOPC) event. | Description of the property or equipment that was damaged. | Description of the object that was dropped. |

yes

Describe the dropped object

| Extent of Damage                                      | Property Damage Cost                             | Material Overboard        | Material Overboard Recovered        |
|---|--|---------------------------|-------------------------------------|
| Description that clarifies that extent of the damage. | Cost estimate of the damage incurred in dollars. | Object dropped overboard. | Object dropped overboard recovered. |

yes

yes

| DROPS Classification  | Causal Factor Category                                  | Causal Factor Subcategory                              |
|---|---|--|
| Description of severity of potential consequence per industry chart that plots weight of object vs. distance dropped.<br>DROPS stands for | Category of causal factor attributed to this event.     | Subcategory of causal factor attributed to this event. |
|   | physical facility, equip. an process/equip. reliability |  |



| Causal Factor Category Description                              | Causal Factor Subcategory Description                              | Causal Factor Narrative            |
|---|--|------------------------------------|
| Description of causal factor category attributed to this event. | Description of causal factor subcategory attributed to this event. | Description of the causal factors. |

| Corrective Actions                       | Other Investigation Data   | Stop Work?   | Other Stop Work Data  | Weather Factor  |
|--|--|--|---|---|
| Description of corrective actions taken. | Other source data fields that contain investigation or causation data. | Action by worker to halt all work when unsafe condition is observed. | Other source data fields that contain stop work event data. | Determination on if weather was a contributing factor to the event. |

| Wave Height                                 | Wave Height Units                                | Current Speed                                 | Current Speed Units                                | Current Direction                                       |
|---|--|---|--|---|
| Wave height at the time the event occurred. | Wave height unit at the time the event occurred. | Current speed at the time the event occurred. | Current speed unit at the time the event occurred. | Ocean current direction at the time the event occurred. |

| Wind Speed                                 | Wind Speed Units                                | Wind Direction                                 | Water Temperature                                 | Water Temperature Units                                |
|--|---|--|---|--|
| Wind speed at the time the event occurred. | Wind speed unit at the time the event occurred. | Wind direction at the time the event occurred. | Water temperature at the time the event occurred. | Water temperature unit at the time the event occurred. |

| Air Temperature   | Air Temperature Units   | Other Weather Data                                  | Other Data   |
|---|---|---|--|
| Ambient air temperature at the time the event occurred. | Ambient air temperature units at the time the event occurred. | Other source data fields that contain weather data. | Source data fields that were not otherwise mapped. |

| ev_type                      | ev_cat              | cons_act     | cons_pot     | pse    | pse_tier | loc_reg     |
|------------------------------|---------------------|--------------|--------------|--------|----------|-------------|
| with consequences            | personal safety     | injury or il | injury or il | yes    | tier 1   | gulf of me  |
| without consequences         | dropped object      | environme    | environmen   | o      | tier 2   | offshore p: |
| unsafe action or observation | material overboard  | property     | property     | damage | tier 3   | offshore al |
|                              | well control        | other        | other        |        | tier 4   | elsewhere   |
|                              | fire                |              |              |        |          |             |
|                              | explosion           |              |              |        |          |             |
|                              | process safety      |              |              |        |          |             |
|                              | LOPC                |              |              |        |          |             |
|                              | vessel collision    |              |              |        |          |             |
|                              | equipment collision |              |              |        |          |             |
|                              | station keeping     |              |              |        |          |             |
|                              | muster              |              |              |        |          |             |
|                              | hydrogen sulfide    |              |              |        |          |             |
|                              | not work-related    |              |              |        |          |             |
|                              | environmental       |              |              |        |          |             |
|                              | other               |              |              |        |          |             |

| loc_phys                        | asset_type                      | asset_subtop_type                       |
|---------------------------------|---------------------------------|---|
| offshore deepwater (>=1000 ft.) | production                      | fixed platf production                  |
| offshore shelf (<1000 ft.)      | rig                             | floating pr drilling                    |
| onshore                         | marine vessetension legworkover |   |
|                                 | aviation                        | spar completion                         |
|                                 | shorebase                       | subsea infrwell operations- unspecified |
|                                 | other                           | productionorcommissioning               |
|                                 | unspecified                     | pipeline decommissioning                |
|                                 |                                 | productionorhelicopter                  |
|                                 |                                 | productionormotor vessel                |
|                                 |                                 | platform riseismic                      |
|                                 |                                 | rig semi-s pipeline                     |
|                                 |                                 | jackup construction                     |
|                                 |                                 | drillship other                         |
|                                 |                                 | barge                                   |
|                                 |                                 | intervention vessel                     |
|                                 |                                 | rig- other                              |
|                                 |                                 | rig- unspecified                        |
|                                 |                                 | seismic                                 |
|                                 |                                 | offshore support/supply/service vessel  |
|                                 |                                 | construction/installation vessel        |
|                                 |                                 | flotel                                  |
|                                 |                                 | crew boat                               |
|                                 |                                 | frac boat                               |
|                                 |                                 | dive vessel                             |
|                                 |                                 | marine vessel- other                    |
|                                 |                                 | marine vessel- unspecified              |
|                                 |                                 | helicopter                              |
|                                 |                                 | aviation other                          |
|                                 |                                 | aviation unspecified                    |
|                                 |                                 | shorebase                               |
|                                 |                                 | other                                   |
|                                 |                                 | unspecified                             |

|                                      |              |  |                       |
|--------------------------------------|--------------|--|-----------------------|
| activity                             | activity_cat | loc_asset                              | num_inj_parties_known |
| confined space entry                 | primary      | moonpool,yes                           |                       |
| diving                               | unknown      | tanks/vessno                           |                       |
| domestic activities                  | secondary    | production processing area             |                       |
| emergency response- drill            |              | mud/cement equipment area              |                       |
| emergency response- actual           |              | well control equipment area            |                       |
| energy isolation (LOTO)              |              | engine/generator room/MCC              |                       |
| helicopter flight                    |              | bridge / control room                  |                       |
| helicopter landing or take-off       |              | life boat/fast rescue craft (FRC) area |                       |
| hot work                             |              | temporary scaffolding/work platforms   |                       |
| lifting- unspecified                 |              | crane area                             |                       |
| maintenance, inspection, and testing |              | welding / hot work area                |                       |
| marine vessel- in transit            |              | +10 deck                               |                       |
| marine vessel- station keeping       |              | helideck                               |                       |
| material handling- manual            |              | rig floor/derrick                      |                       |
| material transfer or displacement    |              | deck- other                            |                       |
| non-manual lifting                   |              | shorebase facilities                   |                       |
| normal/routine activities            |              | accommodations                         |                       |
| remotely operated vehicle            |              | other                                  |                       |
| simultaneous operations              |              |  |                       |
| startup or shutdown operations       |              |  |                       |
| working at heights                   |              |  |                       |
| other                                |              |  |                       |



| inj_class                     | inj_party_type | inj_body_part     | inj_body_subpart     |
|-------------------------------|----------------|-------------------|----------------------|
| fatality                      | employee       | head              | cranial region       |
| lost work/days away from work | contractor     | neck              | ear                  |
| restricted work/job transfer  | other          | trunk             | face- eye            |
| medical_treatment             |                | upper extremities | face- nose           |
| first_aid                     |                | lower extremities | face- jaw            |
| non_treatment                 |                | body systems      | face- mouth          |
|                               |                | other             | face- other          |
|                               |                |                   | face- unspecified    |
|                               |                |                   | head- other          |
|                               |                |                   | head- unspecified    |
|                               |                |                   | neck- other          |
|                               |                |                   | neck- unspecified    |
|                               |                |                   | chest                |
|                               |                |                   | back                 |
|                               |                |                   | abdomen              |
|                               |                |                   | pelvic region        |
|                               |                |                   | trunk- other         |
|                               |                |                   | trunk- unspecified   |
|                               |                |                   | shoulder             |
|                               |                |                   | arm- upper           |
|                               |                |                   | arm- elbow           |
|                               |                |                   | arm- forearm         |
|                               |                |                   | arm- other           |
|                               |                |                   | arm- unspecified     |
|                               |                |                   | wrist                |
|                               |                |                   | hand                 |
|                               |                |                   | finger               |
|                               |                |                   | upper extremities- o |
|                               |                |                   | upper extremities- u |
|                               |                |                   | leg- thigh           |
|                               |                |                   | leg- knee            |
|                               |                |                   | leg- lower           |
|                               |                |                   | leg- other           |
|                               |                |                   | leg- unspecified     |
|                               |                |                   | ankle                |
|                               |                |                   | knee                 |
|                               |                |                   | foot                 |
|                               |                |                   | toe                  |
|                               |                |                   | lower extremities- o |
|                               |                |                   | lower extremities- u |
|                               |                |                   | body systems- other  |
|                               |                |                   | body systems- unsp   |
|                               |                |                   | other                |

| inj_type                            | inj_subtype                                      |
|-------------------------------------|--|
| fracture                            | fracture   |
| dislocation                         | dislocation- other                               |
| sprain, strain, or tear             | dislocation- unspecified                         |
| open wound                          | tear   |
| surface wound                       | sprain   |
| burn                                | strain   |
| intracranial injury                 | sprain/strain unspecified                        |
| effects of environmental conditions | hernia   |
| crushing injury                     | whiplash   |
| illness                             | sprain, strain, or tear- other                   |
| other                               | sprain, strain, or tear- unspecified             |
|                                     | amputation                                       |
|                                     | laceration                                       |
|                                     | puncture wound                                   |
|                                     | open wound- other                                |
|                                     | open wound- unspecified                          |
|                                     | abrasion   |
|                                     | blister  |
|                                     | contusion  |
|                                     | surface wound- other                             |
|                                     | surface wound- unspecified                       |
|                                     | chemical burn                                    |
|                                     | thermal burn                                     |
|                                     | electrical burn                                  |
|                                     | burn- other                                      |
|                                     | burn- unspecified                                |
|                                     | intracranial hemorrhage                          |
| ther                                | concussion                                       |
| nspecified                          | intracranial- other                              |
|                                     | intracranial- unspecified                        |
|                                     | frostbite  |
|                                     | hypothermia                                      |
|                                     | heat illness                                     |
|                                     | pressure related effects                         |
|                                     | effects of environmental conditions- other       |
|                                     | effects of environmental conditions- unspecified |
|                                     | crushing injury                                  |
|                                     | illness- other                                   |
| ther                                | illness- unspecified                             |
| nspecified                          | other  |
|                                     |  |
| pecified                            |  |
|                                     |  |
|                                     |  |



fire\_fuel\_cat

- hydrocarbon liquid- crude oil
- hydrocarbon liquid- lubricating oil
- hydrocarbon liquid- diesel
- hydrocarbon liquid- other
- hydrocarbon gas
- hydrocarbon- unspecified
- chemical liquid
- chemical gas
- chemical solid
- chemical- unspecified
- wood
- metal
- building material
- other

fire\_ign\_cat

- mechanical
- electrical
- thermal
- chemical
- other

lopc\_material\_cat

- hydrocarbon liquid- crude oil
- hydrocarbon liquid- lubricating oil
- hydrocarbon liquid- diesel
- hydrocarbon liquid- other
- hydrocarbon gas
- hydrocarbon- unspecified
- chemical liquid
- chemical gas
- chemical solid
- chemical- unspecified
- produced water
- waste water
- other

lopc\_release\_to

|                      |
|----------------------|
| air                  |
| water                |
| land                 |
| contained on facilit |

| lopc_cont_area    | cf_cat      | cf_subcat                                     | weather_fctr |
|-------------------|-------------|---|--------------|
| inside 500m zone  | physical fa | process/equip. design or layout               | yes          |
| outside 500m zone | administra  | process/equip. material spec., fabr., constr. | no           |
|                   | people      | process/equip. reliability                    | not relevant |
| ty                | other       | instrument, analyzer and controls reliability |              |
|                   |             | physical facility, equip. and process- other  |              |
|                   |             | risk assessment and management                |              |
|                   |             | operating proc. or safe work practices        |              |
|                   |             | management of change                          |              |
|                   |             | work direction of management                  |              |
|                   |             | emergency response                            |              |
|                   |             | administrative processes- other               |              |
|                   |             | personnel skills or knowledge                 |              |
|                   |             | quality of task planning and preparation      |              |
|                   |             | individual or group decision-making           |              |
|                   |             | quality of task execution                     |              |
|                   |             | quality of hazard mitigation                  |              |
|                   |             | communication                                 |              |
|                   |             | human factors                                 |              |
|                   |             | human performance                             |              |
|                   |             | leadership                                    |              |
|                   |             | people- other                                 |              |
|                   |             | other   |              |

| current_dir | wind_dir         | inj_job_cat | inj_evacuation | lopc_cont | stop_working | inj_sse | lopc_security | mat_overboard |
|-------------|------------------|-------------|----------------|-----------|--------------|---------|---------------|---------------|
| East        | East             | supervisor  | yes            | yes       | yes          | yes     | yes           | yes           |
| East-North  | East-North       | worker      | no             | no        | no           | no      | no            | no            |
| North-East  | North-East       |             |                | partial   |              |         |               |               |
| North-Nor   | North-North-East |             |                |           |              |         |               |               |
| North       | North            |             |                |           |              |         |               |               |
| North-Nor   | North-North-West |             |                |           |              |         |               |               |
| North-We    | North-West       |             |                |           |              |         |               |               |
| West-Nor    | West-North-West  |             |                |           |              |         |               |               |
| West        | West             |             |                |           |              |         |               |               |
| West-Sout   | West-South-West  |             |                |           |              |         |               |               |
| South-We    | South-West       |             |                |           |              |         |               |               |
| South-Sou   | South-South-West |             |                |           |              |         |               |               |
| South       | South            |             |                |           |              |         |               |               |
| South-Sou   | South-South-East |             |                |           |              |         |               |               |
| South-East  | South-East       |             |                |           |              |         |               |               |
| East-South  | East-South-East  |             |                |           |              |         |               |               |

mat\_overboard\_recovered

yes

no