Instructions for Entering Information into the Release Points Button

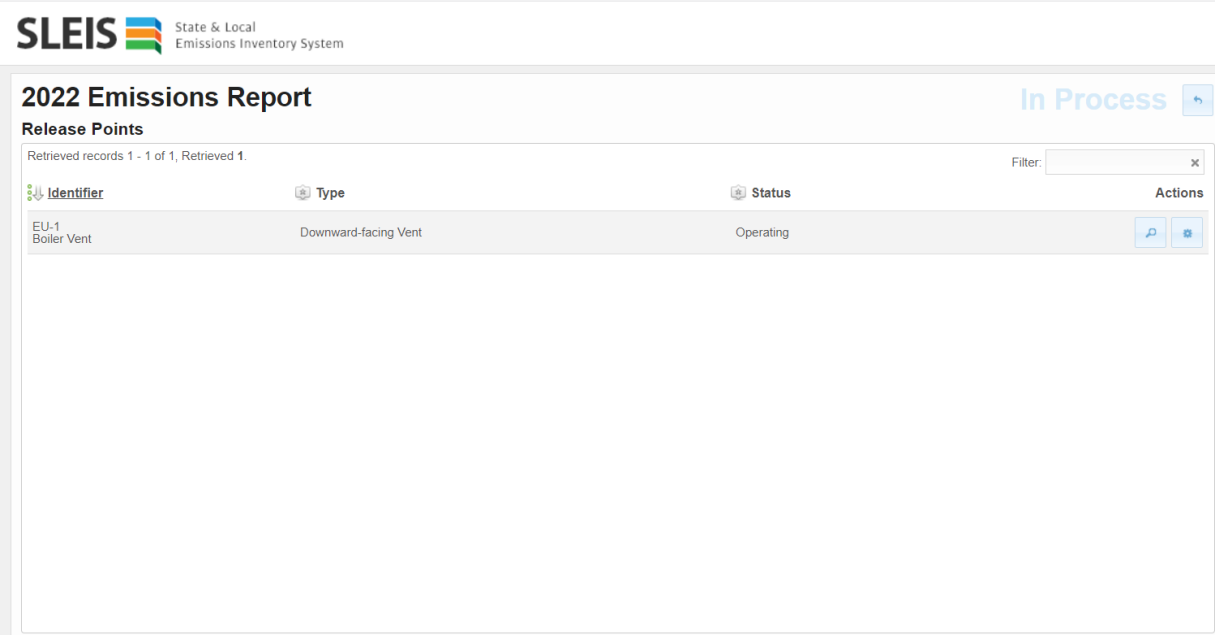
Introduction

The “Release Points” button in the SLEIS database is where information is stored regarding stacks or vents located at the facility. Information located in this button would be similar to the information found on the former INV-2 paper form. This document will show the various fields located in the button and what information can be found or entered in it. If this is the first inventory being entered in SLEIS, it is possible some or all release points may not be available. In order to make any changes in SLEIS, a user with the editor role should click the “Edit” button and to save any changes made, click the “Save” button.

Main List Screen

This list contains all release points related to the facility. To add a release point into SLEIS, click the “Add button” in the lower right-hand corner. Please note once data is saved in SLEIS and submitted to DNR as part of an emissions inventory, it cannot be removed. If the release point is no longer in service, please change its status to “Permanently Shutdown” in the release point edit screen discussed later in this document and provide a value in the status year field for which the status became effective.

The image below shows an example of the release point main screen.



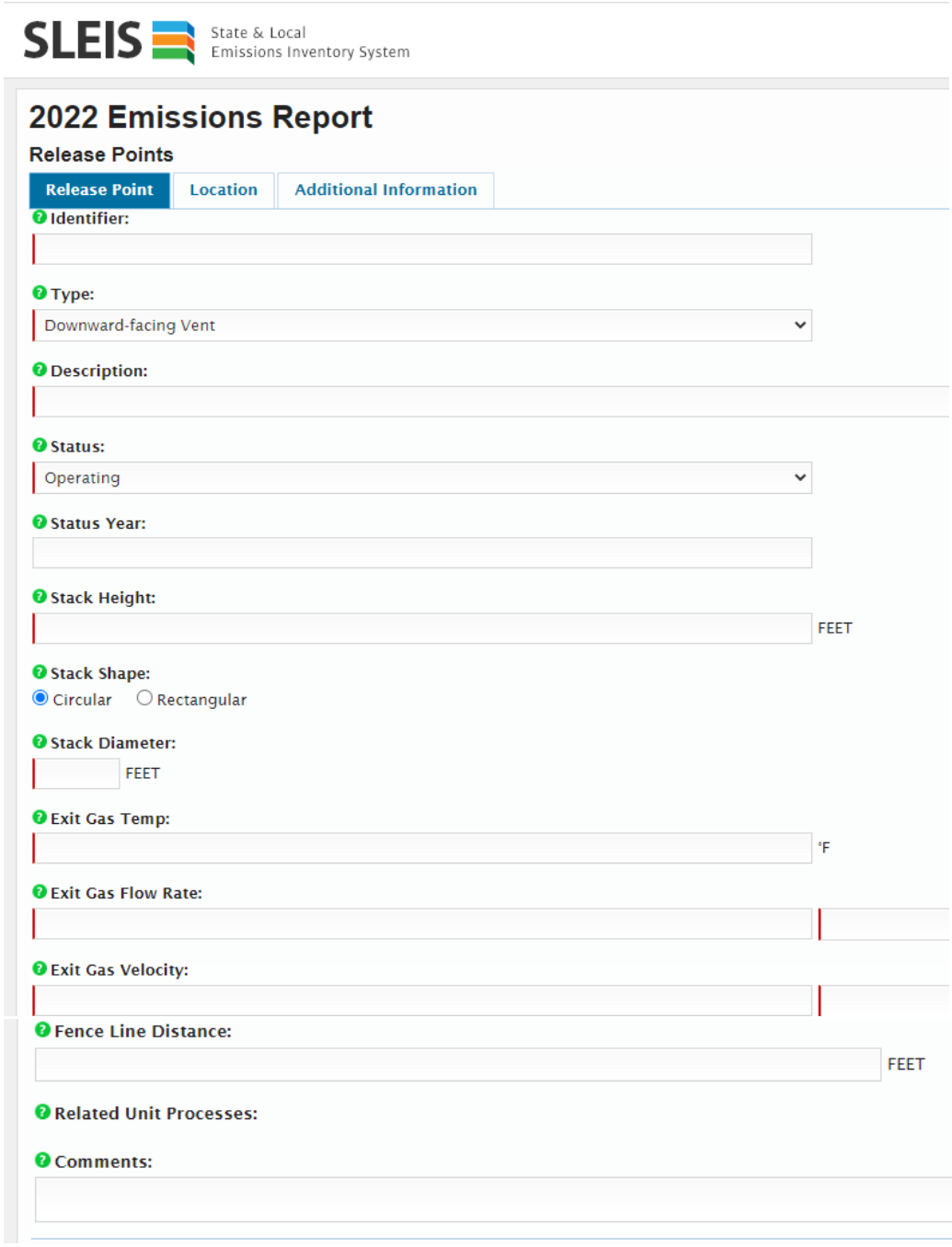
Release Point Tab

This tab contains information about the release point. If you have any questions about the fields, you can click the icon and a window will pop up containing information about the field.

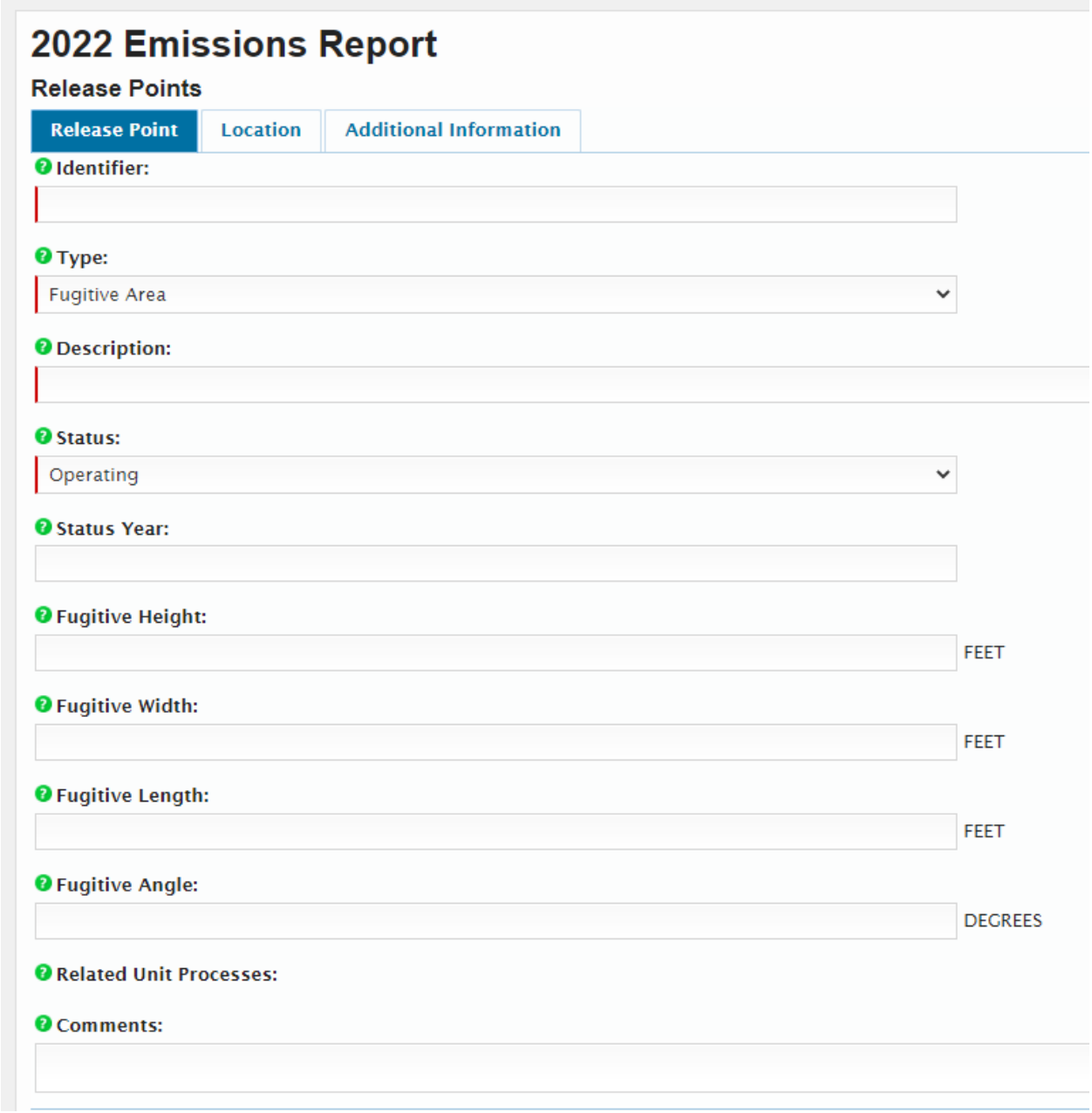
The fields presented in the tab are:

1. Identifier: The release point identifier assigned to the release point.
2. Type: This is the type of release point. Options to select from are:
    a. Downward-facing vent
    b. Fugitive Area *_Please select this option if the stack type is unknown or not listed_*
    c. Goose Neck
    d. Horizontal
    e. Indoor Vented
    f. Vertical
    g. Vertical with Rain-Cap
3. Description: A brief description of the release point.
4. Status: The operating status of the release point.
5. Status Year: The year the status became effective.
6. Stack Height: The height of the release point (in feet). *_This information can be found in the construction permit._ *
7. Stack Shape: The shape of the stack's opening. *_This information can be found in the construction permit._ *
8. Stack Diameter/Length and Width: The diameter of the stack opening (for circular openings) or the length and width (for rectangular openings) *_This information can be found in the construction permit._ *
9. Exit Gas Temp: The temperature of the gas as it exits the stack. *_This information can be found in the construction permit._ *
10. Exit Gas Flow Rate: The flow rate of the gas exiting the stack (in Actual Cubic Feet per Minute). *_This information can be found in the construction permit._ * *_The flow rate will be automatically calculated if the diameter and exit gas velocity are provided._ * *_If the flow rate in the construction permit is in Standard Cubic Feet per Minute, you can convert it to Actual Cubic Feet per Minute by using the following formula: ACFM= (((Temp in F+460) *SCFM)/530)_ *
11. Exit Gas Velocity: The velocity of the gas exiting the stack. *_This information can be found in the construction permit._ * *_The flow rate will be automatically calculated if the diameter and exit gas flow rate (in ACFM) are provided._ *
12. Fence Line Distance: The distance the fence line is from the stack (in feet). *_This information is optional._ *
13. Fugitive Height (seen only with the Fugitive or Indoor Vented release point type options): The height of the fugitive release point. *_This information is optional._ *
14. Fugitive Width (seen only with the Fugitive or Indoor Vented release point type options): The width of the fugitive release point. *_This information is optional._ *
15. Fugitive Angle (seen only with the Fugitive or Indoor Vented release point type options): The angle of the fugitive release point type. *_This information is optional._ *
16. Related Unit Processes: The unit process identifiers and their descriptions that vent from the release point. (This will update automatically as unit processes are linked to the release point.)
17. Comment: Comments about the release point. *_This information is optional._ *

The images below show examples of the Release Points tab. The first example is when a release point type of one of the following is selected: Downward-facing Vent, Goose Neck, Horizontal, Vertical, or Vertical with Rain Cap.



The second example is when a release point type of one of the following is selected: Fugitive Area or Indoor Vented.



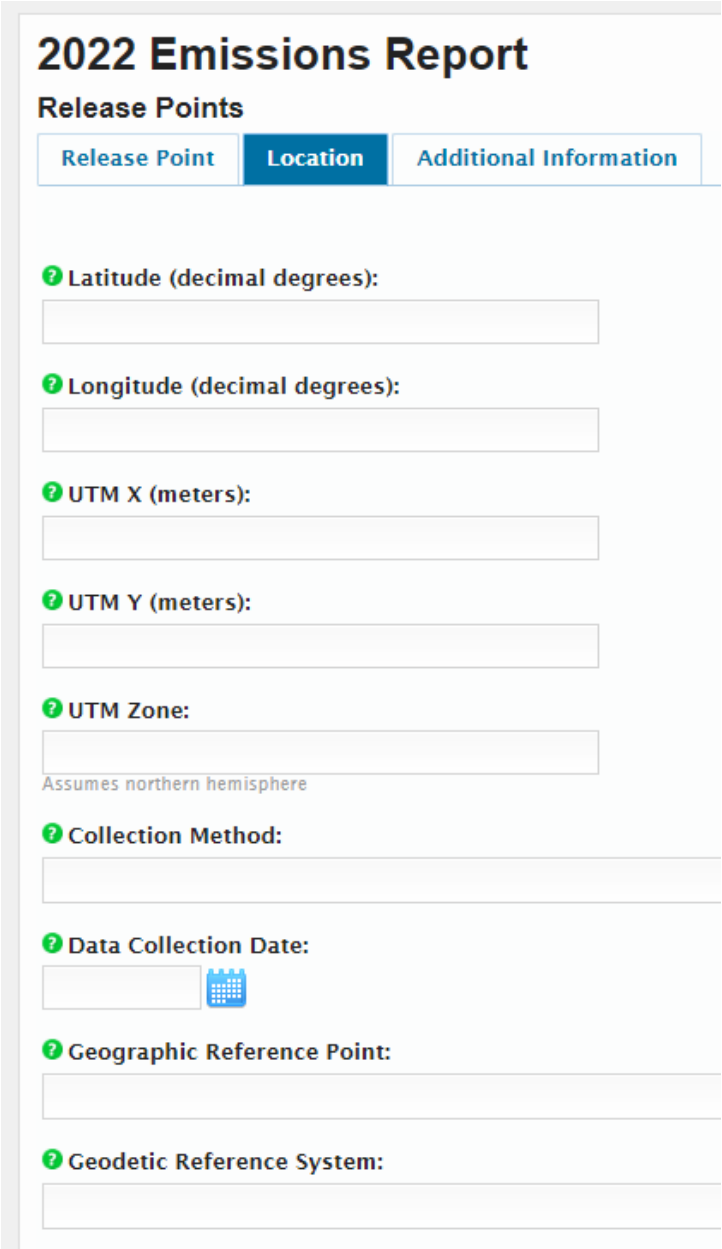
Location Tab

This tab contains information about release point geographic coordinates. The information in this tab is optional and contains the following data elements:

1. Latitude (decimal degrees): This is the latitudinal coordinates for the release point
2. Longitude (decimal degrees): This is the longitudinal coordinates for the release point
3. UTM X (meters): This is the Universal Transverse Mercator X coordinates for the release point
4. UTM Y (meters): This is the Universal Transverse Mercator Y coordinates for the release point

5. UTM Zone: This is the Universal Transverse Mercator Zone for the release point. The majority of release points in Iowa are located in Zone 15, with some release points in far western Iowa in Zone 14
6. Collection Method: The method used to determine the geographic coordinates of the release point.
7. Data collection date: The date the geographic coordinates of the release point were obtained.
8. Geographic Reference Point: The code that represents the place for which geographic coordinates were established.
9. Geodetic Reference System: The code that represents the reference datum used in determining coordinates. North American Datum of 1983 (NAD83) is the preferred reference datum.

The image below shows an example of the Location tab.

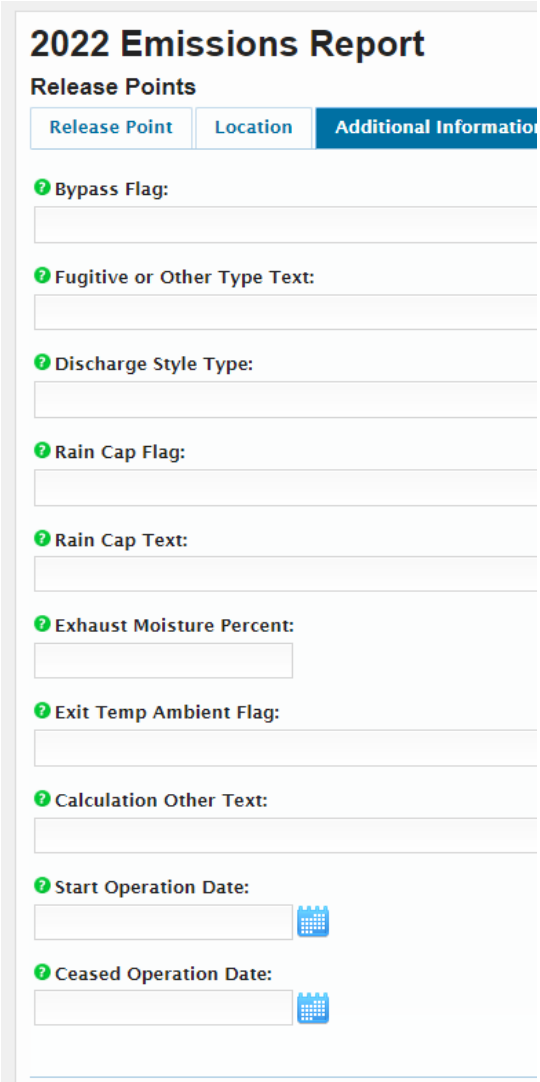


Additional Information Tab

This tab contains additional information about the release point. The information in this tab is optional. The fields presented in the tab are:

1. Bypass Flag: Whether the release point is a bypass point or not.
2. Fugitive or Other Type Text: This is a description for a "fugitive" or "other" type of release point.
3. Discharge Style Type: The type of discharge used by the point.
4. Rain Cap Flag: Whether the release point has a rain cap.
5. Rain Cap Text: Text describing the rain cap
6. Exhaust Moisture Percent: The moisture content of the exhaust.
7. Exit Temp Ambient Flag: Whether the exit gas temperature is ambient, or not.
8. Calculation Other Text: Text describing other method basis for potential emission calculations.
9. Start Operation Date: The date the release point started operating.
10. Cease Operation Date: The date the release point ceased operating.

The image below shows an example of the Additional Information tab.



Conclusion

The information found in the “Release Point” button contains information about all release points. While only one tab is required to be completed, please fill out as much information as possible. This information should be kept up-to-date as often as possible. Any questions regarding the information should be directed to a member of the Air Quality Bureau’s Emission Inventory Section using the SLEIS Help Desk e-mail address: sleis@dnr.iowa.gov.