



Electronic Confidential Statement of Formula (eCSF) User Guide

Environmental Protection Agency

Office of Pesticide Programs



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1 Introduction

The United States Environmental Protection Agency (EPA) Office of Pesticide Programs (OPP) developed the electronic Confidential Statement of Formula (eCSF) application to provide registrants an electronic option to create and submit 'EPA Form 8570-4 – Confidential Statement of Formula (CSF)' via the Pesticide Submission Portal (PSP) in the Central Data Exchange (CDX).

The eCSF application captures a pesticide product's complete chemical composition for use during registration evaluation under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA). EPA Form 8570-4 must be completed and submitted with each application for a new registration of a pesticide product and application for an amended registration, if the revision involves a formulation change.

1.1 Purpose

This document provides instructions on how to use the eCSF application to build eCSF Extensible Markup Language (XML) files for electronic submission to EPA via PSP.

After reviewing this document, users will be able to:

- Access the eCSF application via CDX/PSP
- Upload and modify eCSF XML files
- Create, prepare, and save an eCSF XML file
- Submit an eCSF XML file via PSP

2 System Requirements

The following items are required to use the eCSF application:

- Internet access
- An e-mail account
- A vendor supported web browser with Java Script enabled and pop-up blockers disabled
- A vendor supported version of Adobe Acrobat Reader
- A CDX account with an active PSP Program Service role

2.1 Supported Browsers

For optimal performance, Google Chrome is recommended to access the eCSF application. However, vendor supported versions of the following browsers may also be used:

- [Google Chrome](#)
- [Mozilla Firefox](#)
- [Microsoft Edge](#)

2.2 Screen Resolution

Screen resolution should be set to 1024 x 768 or greater.

3 Live Application Support

Real-time application support is available by contacting the CDX Help Desk (CDXHD) using one of the following options:

- **By Telephone:**

Person-to-person telephone support is available from 8:00 am to 6:00 pm eastern standard time/eastern daylight time (EST/EDT). Call the CDXHD at its toll-free line, (888) 890-1995 or +1 (970) 494-5500 for international callers.

- **By Email:**

Send an email to helpdesk@epacdx.net with 'Technical Support' in the 'Subject' line.

- **By Chat:**

Select the 'Chat with the CDX Help Desk' link on the CDX 'Contact Us' screen to generate a web form to enter information regarding a help request.

- **By Contact Form:**

Enter information in the text fields under the 'Contact Form' section of the CDX '[Contact Us](#)' screen.

Additionally, feedback or bugs can be reported within the application via the 'Provide Feedback' link in the application footer. See **Section 4.5** for more information.

4 eCSF General Functionalities

This section describes general eCSF functionalities and includes the following topics:

- PSP roles for registrants
- Accessing eCSF from CDX/PSP
- Navigating the eCSF ‘Home’ screen
- The functions available in the navigation tree, application header, and application footer
- Validating eCSF XML file contents

4.1 eCSF User Roles

Registrants can access the eCSF application using two roles – Primary Submitter or Authorized Agent. There are no functionality differences between these roles within the eCSF application.

For more information about roles and CDX registration, please refer to the OPP CDX Pesticide Submission Portal Registration User Guide.

4.2 Access the eCSF Application

To access the eCSF application, first navigate to the CDX ‘[Home](#)’ screen.

Exhibit 4-1 shows a screen capture of the CDX ‘Home’ screen:

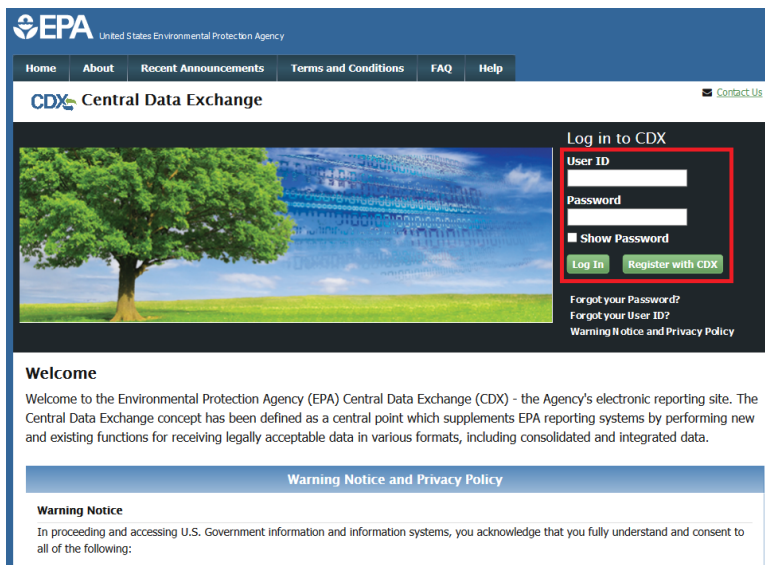


Exhibit 4-1: CDX ‘Home’ Screen – Login

Navigation: Enter valid values into the ‘User ID’ and ‘Password’ fields and select the ‘Log In’ button.

The ‘MyCDX’ screen displays once a user successfully logs into CDX. This screen contains a list of associated program services under the ‘Services’ header. If registered for the PSP program service, ‘PSP: Pesticide Submission Portal (Company Number Requests)’ will be listed. A

program service’s status is visible by scrolling over the icons in the ‘Status’ column. Access the roles within a program service by selecting the blue, underlined link in the ‘Role’ column. The currently available registrant roles for PSP are ‘Primary Submitter’ and ‘Authorized Agent.’

Exhibit 4-2 shows a screen capture of the ‘My CDX’ screen:

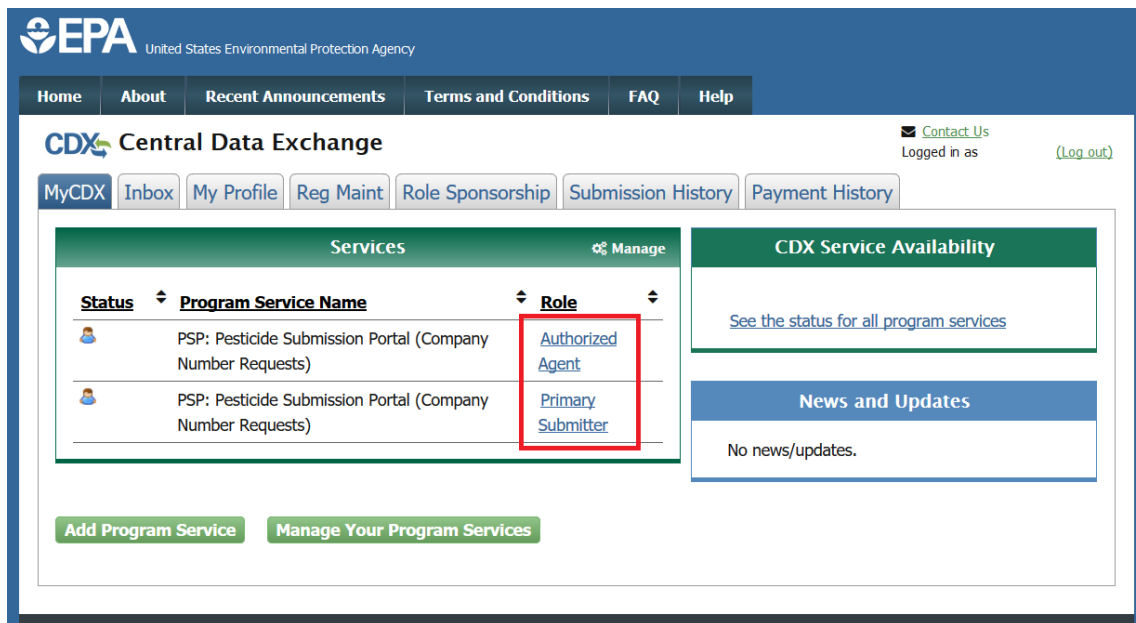


Exhibit 4-2: ‘MyCDX’ Screen – PSP Program Services

Navigation: Select a blue role link under the ‘Role’ column to enter PSP as the selected role.

When a user is associated with multiple organizations for a program/role, selecting the role link on the ‘MyCDX’ screen generates the ‘Application Profile Settings’ pop-up. The user navigates directly into PSP when a role is associated with only one organization.

Exhibit 4-3 shows a screen capture of the ‘Application Profile Settings’ pop-up window:

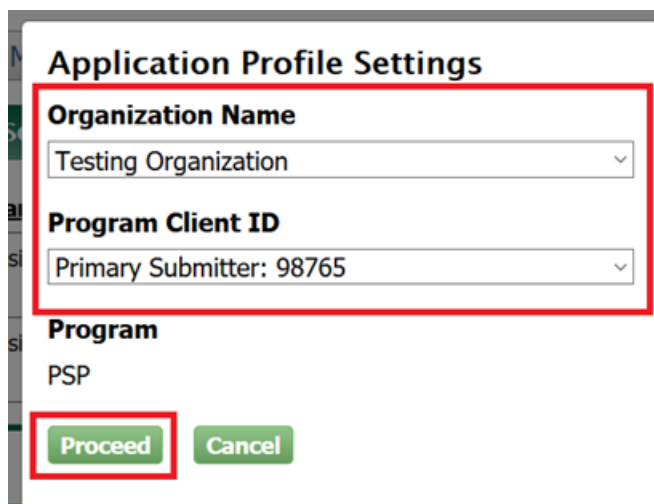


Exhibit 4-3: CDX ‘Application Profile Settings’ Pop-up

Navigation: Select an organization and company role/number and then select the ‘Proceed’ button to enter the PSP application.

4.3 Pesticide Submission Portal ‘Home’ Screen

The PSP ‘Home’ screen is the initial screen within PSP and provides access to the various underlying PSP applications and functions available within the portal. The screen is separated into three panels:

- The **‘Submissions and Tools’** panel provides guided access to all submission applications and is logically divided into regulatory sections for ‘Registration Actions,’ ‘Registration Review,’ ‘Reregistration,’ and ‘Pre-Submission Tools.’ Selecting these sections displays additional information for the options available under each regulatory section. For information on how to locate a specific submission type, navigate to the corresponding section of this user guide.
- The **‘PSP Alerts’** panel displays information pertinent to PSP including outage, maintenance, and OPP programmatic notifications.
- The **‘View Recent Packages’** panel displays the five most recently modified registration packages for the user and organization displayed in the application header. Note that non-registration package submissions (e.g., DCI Responses) and registration packages for organizations other than the one displayed in the application header will not display.

Exhibit 4-4 shows a screen capture of how to navigate the PSP ‘Home’ screen to access the eCSF application:

The screenshot shows the Pesticide Submission Portal 'Home' screen. At the top, there is a navigation bar with the 'Pesticide Submission Portal' logo and a user profile for 'John Doe, CDX Testing Company (Primary Submitter)'. Below the navigation bar, the main content area is divided into three panels:

- Submissions and Tools:** This panel contains a list of regulatory sections: 'Registration Actions', 'Registration Review', 'Reregistration', and 'Pre-Submission Tools'. The 'Pre-Submission Tools' section is highlighted with a red box. Under 'Pre-Submission Tools', there is a sub-section 'Form Builders' which is also highlighted with a red box. To the right of 'Form Builders', there is a 'Create eCSF' button, which is highlighted with a red box. Below this button, there is a 'Create Label & Use Index' button.
- PSP Alerts:** This panel displays a message dated 11-13-2020, welcoming the user to the updated portal and providing instructions on how to start a new package.
- View Recent Packages:** This panel displays a table of recent packages. The table has columns for 'Package ID', 'Package Name', 'Modification Date', and 'Status'. The data rows are as follows:

Package ID	Package Name	Modification Date	Status
1059098	Test Submission	04/20/2021	Awaiting User Completion
1059085	Test Submission	04/20/2021	Awaiting User Completion
1059086	Test Submission	04/05/2021	Awaiting User Completion

At the bottom of the screen, there is a footer with 'PSP v2.4', 'Release Notes', 'Provide Feedback', and 'CDX Links'.

Exhibit 4-4: Pesticide Submission Portal ‘Home’ Screen – Create eCSF Option

Navigation: In the ‘Submissions and Tools’ panel, select the ‘Pre-Submission Tools’ option in the first column, next select the ‘Form Builders’ option in the second column, and finally select the ‘Create eCSF’ button.

4.4 Pesticide Submission Portal Header

The PSP header, first displayed on the PSP ‘Home’ screen, displays throughout all PSP applications, including the eCSF application, and contains the following useful navigation tools and information:

- The ‘Portal’ icon, displayed on the left side of the header, navigates the user to the PSP ‘Home’ screen from any of the PSP application screens when selected.
- Within the eCSF application, selecting the ‘Electronic Confidential Statement of Formula (eCSF)’ heading navigates the user to the eCSF ‘Home’ screen from any of the screens within the eCSF application.
- Selecting the ‘Help’ link displays application resources including user guides, answers to frequently asked questions, and contact information for the CDXHD.
- The logged in user’s name, organization, and role display as a link on the right side of the header to assist CDX users who have registered for multiple organizations and roles identify the role/organization combination with which they accessed PSP. Selecting the link will log the user out of both the application and CDX.

Exhibit 4-5 shows a screen capture of the PSP application header:



Exhibit 4-5 Application Header

4.5 eCSF Application Footer

The eCSF application footer displays throughout the application and dynamically presents the below functionalities based on the displayed screen:

- **Preview XML:** Select the ‘Preview XML’ button to generate a pop-up displaying an in-progress XML representation of the current eCSF XML file.

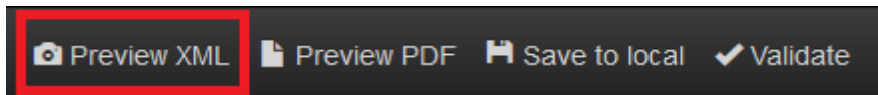


Exhibit 4-6: Application Footer ‘Preview XML’ Button

- **Preview PDF:** Select the ‘Preview PDF’ button to generate a pop-up displaying an in-progress PDF rendering of EPA Form 8570-4 for the current eCSF XML file.

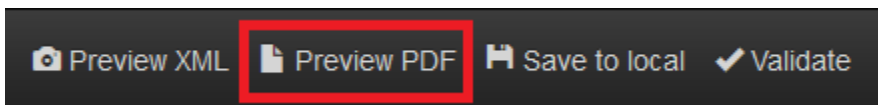


Exhibit 4-7: Application Footer ‘Preview PDF’ Button

- **Save to local:** Select the ‘Save to local’ button to save the current, in-progress eCSF XML file to your local machine. The ‘Save to local’ function does not validate entered data.

Important: The eCSF application does not save eCSF XML files within PSP or the eCSF application itself. All work must be saved as an XML file to a local machine.



Exhibit 4-8: Application Footer 'Save to local' Button

- **Validate:** Select the 'Validate' icon to check the current eCSF XML file for errors and generate a comprehensive report in a pop-up. Refer to **Section 4.7.3** for additional information about global validation.



Exhibit 4-9: Application Footer 'Validate' Button

- **Provide Feedback:** The feedback functionality allows users to share their eCSF application experience directly with the project team. Select the 'Provide Feedback' link to launch the feedback pop-up and provide application feedback.

Important: Contact the CDXHD for immediate assistance while working within PSP.

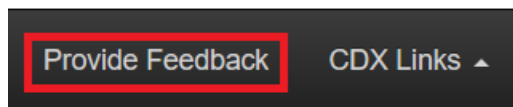


Exhibit 4-10: Application Footer Provide Feedback Link

 A light grey pop-up window titled 'Got feedback?'. It contains a text area for feedback, a rating scale from 'Awesome!' to 'Horrible!', two text areas for 'What do you like?' and 'What needs to be improved?', an 'Attach file' section with a 'Browse...' button, and input fields for 'Name' and 'Email'. A 'Submit' button and a 'Close' link are at the bottom right.

Exhibit 4-11: Application Footer Provide Feedback Pop-Up

- **Help Links:** The 'CDX Links' menu in the application footer provides convenient access to the following CDX resources:
 - CDX '[Home](#)' screen
 - '[MyCDX](#)' screen
 - [EPA Homepage](#)
 - CDX '[Terms and Conditions](#)' screen

- CDX [‘Privacy and Security Notice’](#) screen

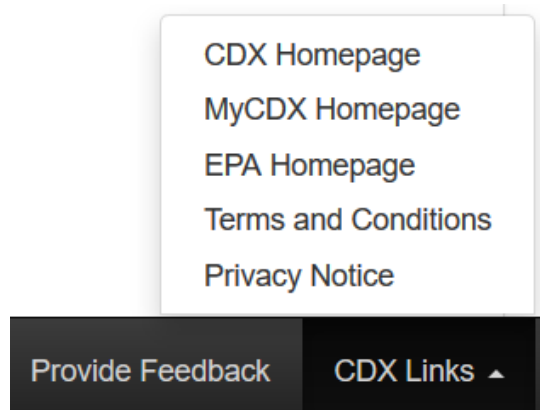


Exhibit 4-12: Application Footer ‘CDX Links’

4.6 Navigation Tree

The navigation tree is located on the left side of each screen within the eCSF application and allows a user to navigate between the various screens within a submission by selecting a screen title link. Note that the navigation tree dynamically updates based on selections made throughout the application.

All fields on the currently displayed screen must pass validation before a user can navigate to another screen. A user can bypass on-screen validation by checking the ‘Mark for Registrant Review’ checkbox to flag the screen for future review. When a user marks a screen for review, the navigation tree displays its title link text in red with an asterisk to indicate the screen does not pass validation and requires future attention. Refer to **Section 4.7.2** for additional information about on-screen validation.

Exhibit 4-13 shows a screen capture of the navigation tree:

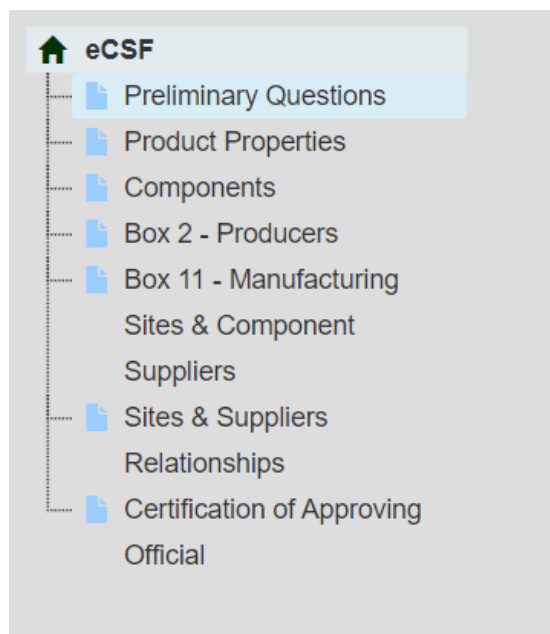


Exhibit 4-13: eCSF Navigation Tree

4.7 Validation

To ensure that data entered into an eCSF XML file is accurate and complete, the application applies a multi-part validation scheme that indicates errors while a user works on their submission. The validations prevent a user from submitting incomplete or inaccurate files to EPA.

4.7.1 Pop-Up Window Validations

Many screens within the eCSF application utilize pop-up windows to facilitate data entry for an object (e.g., a component or producer). These pop-ups follow a per field validation scheme that prevents data entered within the pop-up from being saved until a user clears all validation errors.

Exhibit 4-14 shows a screen capture of the ‘Add Site or Supplier’ pop-up with validation errors:

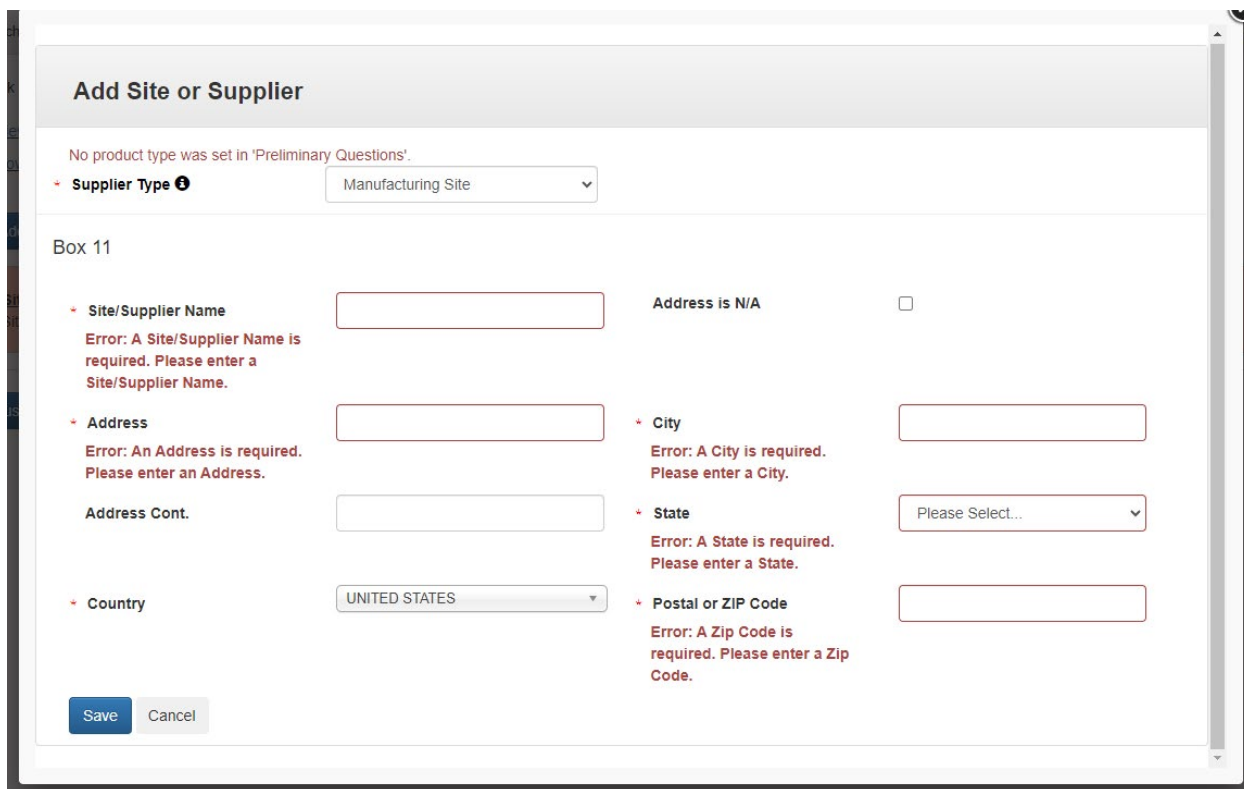


Exhibit 4-14: Pop-Up Validation Errors Example

4.7.2 On-screen Validations

The eCSF application performs data validation on the currently displayed screen whenever a user attempts to navigate away from the screen. If no validation errors are present, the application will perform the requested action. However, if validation errors are present, the application will

display error messages that a user must correct prior to navigation. Note that some error messages may be associated to data entered via a pop-window for an object (e.g., a component or producer). In these cases, the error messages provide direction to the failed object.

To navigate away from a screen that contains validation errors without correcting them, check the 'Mark for Registrant Review' checkbox prior to performing a navigation action. Before an eCSF XML file can be certified for submission, a user must clear all errors and un-check any screens marked for review.

Exhibit 4-15 shows a screen capture of the ‘Box 2 – Producers’ screen with on-screen validation errors:

The screenshot displays the 'Box 2 - Producers' screen in the eCSF portal. The left sidebar shows a navigation menu with 'Box 2 - Producers' selected. The main content area contains instructions for entering manufacturer and packaging site information. A red-bordered box highlights an error message: 'The following errors are present: Error: At least one (1) Box 2 entry is required. Please add a Box 2 entry.' Below the error message, there are buttons for 'Add Producer' and 'Upload Producers', and a search field.

Electronic Confidential Statement of Formula (eCSF) Help - Jane Doe, TestOrg198800 (Primary Submitter)

Box 2 - Producers

For the following product types, specify the site name and physical address where the product is manufactured* and packaged. If packaged elsewhere, specify the address of the final packaging site:

- **All Technical products**
Important: For Technical products, alternate CSFs are required when the impurities differ from the basic CSF or other alternate CSFs.
- **Manufacturing Use Products (MUPs) with unregistered technical sources**
Important: For MUPs with unregistered technical sources, the manufacturing site of the technical source must appear in Box 11.
- **End Use Products (EUPs) with unregistered technical sources**
Important: Box 2 must contain the address where the product is formulated. For EUPs with unregistered technical sources, the manufacturing site of the technical source must appear in Box 11.

For the following product types, specify either (1) the name of the physical address of the company producing (mixing, blending, or diluting/formulating) the product and/or the facility where the product was last packaged, **OR** (2) the appropriate company contact (contact's name/title, address and phone number) for production-related questions:

- **MUPs with registered technical sources**
- **EUPs with registered technical sources**

(*: Group A data must be provided with each new address.)

Mark for Registrant Review/Bypass Screen Validation ⓘ

[Download Producers Template](#)

Show 10 entries Search:

The following errors are present:
Error: At least one (1) Box 2 entry is required. Please add a Box 2 entry.

Exhibit 4-15: On-screen Validation Example

4.7.3 Global Validation

An eCSF user may perform a validation check on the entirety of their eCSF XML file at any time by selecting the ‘Validate’ button in the application footer. Doing so will check each field within the submission for missing and/or invalid data as determined by the currently entered data.

The results of a global validation check display in a separate pop-up. Each validation error message is a clickable link to navigate to the applicable screen and address the error. Once a user clears an error, they may select the ‘Validate’ button again to refresh the list of errors. A user must clear all errors before they can certify or submit an eCSF XML file.

Note: The browser’s pop-up blocker may need to be disabled to view the eCSF global validation window.

Exhibit 4-16 shows a screen capture of the global validation pop-up:

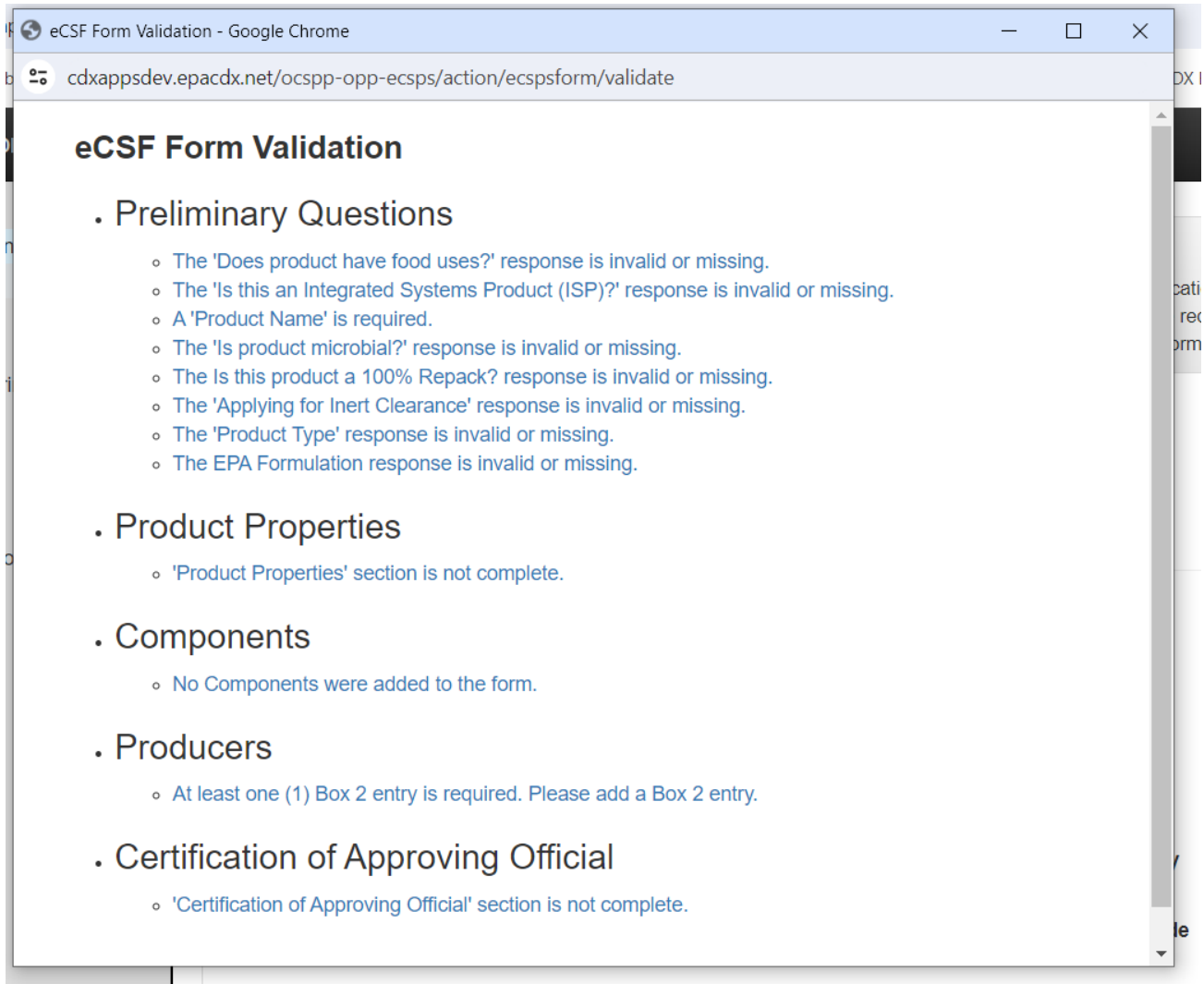


Exhibit 4-16: 'Global Validation' Pop-Up

Navigation:

Click an error link in the 'Global Validation' pop-up to navigate to the location within the application where the selected error occurs.

5 Prepare an Electronic Confidential Statement of Formula (eCSF)

This section describes how to prepare an ‘EPA Form 8570-4 – Confidential Statement of Formula’ file using the eCSF application. Upon completion, the eCSF application produces an XML file which, when uploaded into a PSP package, creates a PDF rendering that can be used in lieu of a paper form. Refer to **Section 6** for additional information about submitting an eCSF XML file to EPA.

5.1 eCSF ‘Home’ Screen

The eCSF ‘Home’ screen is the first screen within the eCSF application and is accessed by following the steps outlined in **Section 4.2**. From this screen, a user has the option to create a new eCSF XML file or upload a previously created file to make edits.

Exhibit 5-1 shows a screen capture of the eCSF ‘Home’ screen:

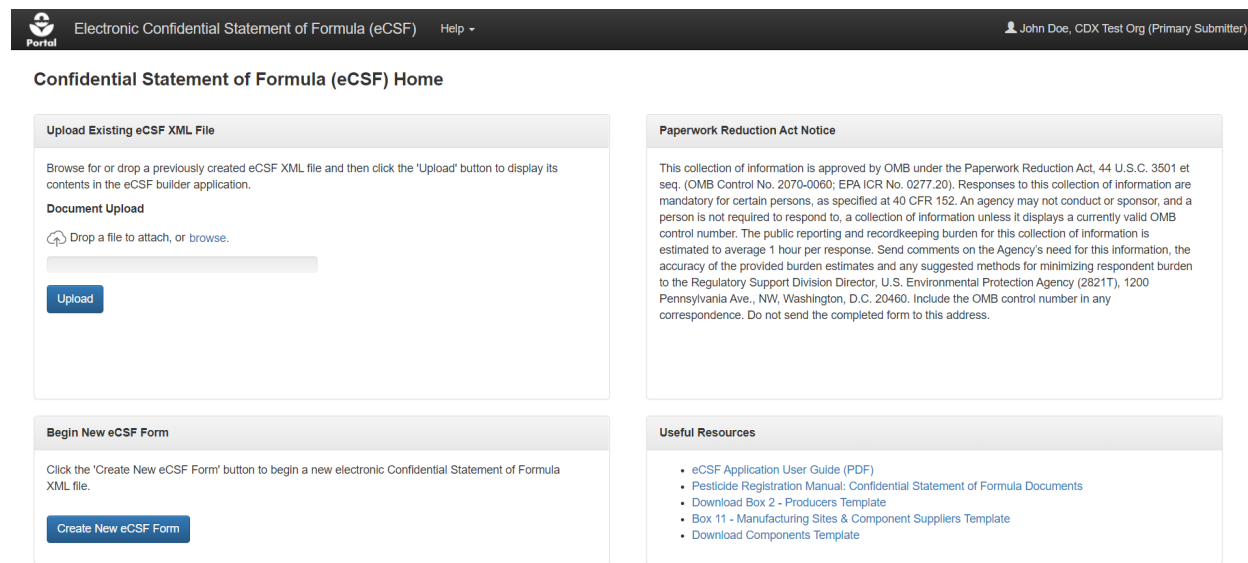


Exhibit 5-1: eCSF ‘Home’ Screen

Navigation: Select the ‘Create New eCSF Form’ to create a new eCSF XML file. Alternatively, upload an existing eCSF XML file and select the ‘Upload’ button to continue working on a previously created file.

5.2 ‘Preliminary Questions’ Screen

The ‘Preliminary Questions’ screen captures basic information for a product.

Important: The responses provided on this screen dynamically update application data requirements and validations on subsequent screens. Enter responses for all required fields on the ‘Preliminary Questions’ screen before navigating away from the screen to ensure the expected experience on subsequent screens.

The following fields display on the ‘Preliminary Questions’ screen:

-
- **Mark for Registrant Review/Bypass Screen Validation:** Select this checkbox to bypass on-screen validation. When a user marks a screen for review, the navigation tree displays its title link text in red with an asterisk to indicate the screen requires future attention.
 - **File Name:** Enter the name that the eCSF XML file will have when a user saves it to their local machine. This field is required. Although it is pre-populated with a placeholder name, EPA recommends the following file naming convention:
 - '[EPA Registration Number]_[Basic/Alternate]_[Date Signed]'
 - e.g., '98765-1_Basic_10102016'
 - **Box 1 – Address:** Enter the mailing address for the company that legally owns the product registration or their United States based agent. The displayed information populates from the logged in user's CDX account and should be updated if it is inaccurate. This field is required and cannot be a PO Box.
 - **Box 1 – Address Cont.:** If applicable, enter the continued mailing address for the company that legally owns the product registration or their United States based agent. The displayed information populates from the logged in user's CDX account and should be updated if it is inaccurate.
 - **Box 1 – City:** Enter the city of the mailing address for the company that legally owns the product registration or their United States based agent. The displayed information populates from the logged in user's CDX account and should be updated if it is inaccurate. This field is required.
 - **Box 1 – State:** Select the state of the mailing address for the company that legally owns the product registration or their United States based agent. The displayed information populates from the logged in user's CDX account and should be updated if it is inaccurate. This field is required and must be on the provided list of states and territories.
 - **Box 1 – Country:** Confirm the country of the mailing address for the company that legally owns the product registration or their United States based agent. The displayed information populates from the logged in user's CDX account as read-only text. This field is required and must be 'UNITED STATES.'
 - **Box 1 – ZIP Code:** Enter the ZIP Code of the mailing address for the company that legally owns the product registration or their United States based agent. The displayed information populates from the logged in user's CDX account and should be updated if it is inaccurate. This field is required and must be in either the '#####' or '#####-####' format.
 - **EPA Formulation – Box A:** Select the formulation type for which EPA reviewed the registration data requirements. This field is required. The following options are available for selection:
 - Basic Formulation
 - Alternate Formulation
 - **Alternate Formulation Number:** Enter an 'Alternate Formulation Number' for the formulation. This number should be a consecutively numbered integer up to five digits (e.g., 1, 2, and 3). To submit a new version of an Alternate Formulation, enter the 'Alternate

Formulation Number' used in the corresponding, previously submitted version. This field is required when 'EPA Formulation – Box A' is 'Alternate Formulation.'

- **Is this product a 100% Repack?:** Indicate whether the product is a 100% repackaging of another EPA registered product. Selecting 'Yes' for this field significantly reduces the number of required fields within the form and reduces the form to the 'Preliminary Questions,' 'Box 2 – Product Repackaging Site,' and 'Certification of Approving Official' screens. This field is required.
- **Registration Number for the Repackaged Product:** Enter the registration number for the repackaged, EPA registered product. Once a user enters a number, the application will search current registration data to populate product data into the eCSF XML file and ensure that the entered number is accurate. This field is required when 'Is this product a 100% Repack?' is 'Yes.'
- **Company #:** Displays the company number associated with the logged in user's CDX account. This field is fixed and required.
- **Reg. No./File Symbol – Box 4:** Enter the full, valid EPA registration number or file symbol (e.g., 'Company Number - Product Code'.) When a user enters a valid registration number, the application will search current registration data to populate the 'Product Name – Box 3' field.
- **EPA Product Manager/Team Number – Box 5:** If known, enter EPA Product Manager number.
- **Product Name – Box 3:** Enter the product name as written on the application form and product label. If nothing is entered in the 'Reg. No./File Symbol – Box 4' field the application will search current registration data to ensure that the entered value does not already exist for a product. This field is required.
- **What is the Product Type?:** Select a product type. This field is required. The following options are available for selection:
 - Technical
 - Manufacturing Use Product (previously known as Manufacturing Concentrate)
 - End Use Product (EP)
- **Is this an Integrated Systems Product (ISP)?:** Indicate whether the product is an integrated systems product. This field displays and is required when the 'Product Type' is either 'Technical' or 'End Use Product (EP).'
- **Applying for Inert Clearance?:** Indicate whether a clearance application is pending for any of the 'Inert' components within the eCSF XML file. Indicating that a user is also applying for food use clearance for a product allows 'Inert' components not cleared for food use to be added for products with food uses. This field is required.
- **Is product microbial?:** Indicate whether the product has microbial properties. This field is required.
- **Does product have food uses?:** Indicate whether the product has food uses. Note that the application does not allow 'Inert' components not cleared for food use in a food use product

unless a user also indicates that an application for clearance is pending. This is a required field.

Exhibit 5-2 shows a screen capture of the ‘Preliminary Questions’ screen for a 100% repack product:

The screenshot shows the 'Preliminary Questions' screen for a 100% repack product. The interface includes a sidebar with navigation options like 'Preliminary Questions', 'Box 2 - Product Repackaging Site', and 'Certification of Approving Official'. The main content area contains several sections: 'Mark for Registrant Review/Bypass Screen Validation' with a checkbox; 'File Name (Do Not Include File Extension)' with a text input field containing 'eCSPS-064f96e4-7343-4436-9c3e-293a2bc69595'; 'Box 1' containing fields for 'Name of Applicant/Registrant' (CDX TESTING COMPANY), 'Address' (Unspecified), 'City' (Crystal City), 'State' (Virginia), 'Address Cont.' (empty), 'Country' (UNITED STATES), and 'ZIP Code' (22202); 'EPA Formulation - Box A' (Please select...) and 'Is this product a 100% Repack?' (Yes); 'Registration Number/File Symbol' section with 'Company #' (98765), 'Reg. No./File Symbol - Box 4' (empty), 'Product Name - Box 3' (empty), and 'EPA Product Manager/Team Number - Box 6' (empty); and 'What is the product type?' (Please select...). A red box highlights the 'Next' button at the bottom left.

Exhibit 5-2: ‘Preliminary Questions’ Screen – 100% Repack Product

Navigation: Fill out all necessary fields and select the ‘Next’ button.

Exhibit 5-3 shows a screen capture of the ‘Preliminary Questions’ screen for a non-repack product:

The screenshot shows the 'Preliminary Questions' screen for a non-repack product. The interface is similar to Exhibit 5-2 but with different data. 'File Name' is 'eCSPS-3dcafb0c-f0ef-42b0-894e-05c5b1000f6d'. 'Box 1' fields include 'Name of Applicant/Registrant' (TestOrg198800), 'City' (ank), 'Address' (123 st), 'State' (Alaska), 'Address Cont.' (333), 'Country' (UNITED STATES), and 'ZIP Code' (70518). 'EPA Formulation - Box A' is 'Basic Formulation' and 'Is this product a 100% Repack?' is 'No'. 'Registration Number/File Symbol' section has 'Company #' (12345), 'Reg. No./File Symbol - Box 4' (empty), 'Product Name - Box 3' (empty), and 'EPA Product Manager/Team Number - Box 5' (empty). Additional questions include 'What is the product type?' (Please select...), 'Is this an Integrated Systems Product (ISP)?' (Please select...), 'Is product microbial?' (Please select...), and 'Does product have food uses?' (Please select...). The 'Next' button is not highlighted.

Exhibit 5-3: ‘Preliminary Questions’ Screen – Non-Repack Product

Navigation: Fill out all necessary fields and select the ‘Next’ button.

5.3 'Product Properties' Screen

The 'Product Properties' screen gathers data about a product's physical properties. This screen does not display when 'Is this product a 100% Repack?' on the 'Preliminary Questions' screen is 'Yes.'

Important: Similar to the 'Preliminary Questions' screen, responses provided on this screen dynamically update application data requirements and validations on subsequent screens. Enter responses for all required fields on the 'Product Properties' screen before navigating away from the screen to ensure the expected experience on subsequent screens.

The following fields display on the 'Product Properties' screen:

- **Mark for Registrant Review/Bypass Screen Validation:** Select this checkbox to bypass on-screen validation. When a user marks a screen for review, the navigation tree displays its title link text in red with an asterisk to indicate the screen requires future attention.
- **Formulation Type Code:** Select the formulation type that best describes the product. A formulation type code must remain consistent throughout a product's registration. 'Technical' products should be described as either a 'Solid,' 'Liquid,' or 'Gas.' This field is required. The following options are available for selection:
 - Solid
 - Liquid
 - Gas
 - Plant Incorporated Protectant
- **Is this an impregnated material?:** Indicate whether the product is an impregnated material. This field only displays when 'Formulation Type Code' is 'Solid' and is required when displayed.
- **Material Type:** Enter a material type for an impregnated material. This field only displays when 'Formulation Type Code' is 'Solid' and 'Is this an impregnated material?' is 'Yes.' This field is required when displayed.
- **Weave Count:** Enter a weave count. This field displays when 'Formulation Type Code' is 'Solid,' 'Is this an impregnated material?' is 'Yes,' and 'Is this a water soluble package?' is 'No;' or when 'Formulation Type Code' is 'Liquid,' 'Does this product contain substrate/towelette/wipe?' is 'Yes,' and 'Is this a water soluble package?' is 'No.'
- **Weave Size:** Enter a weave size. This field displays when 'Formulation Type Code' is 'Solid,' 'Is this an impregnated material?' is 'Yes,' and 'Is this a water soluble package?' is 'No;' or when 'Formulation Type Code' is 'Liquid,' 'Does this product contain substrate/towelette/wipe?' is 'Yes,' and 'Is this a water soluble package?' is 'No.'
- **Is the product a pet collar?:** Indicate whether the product is a pet collar. This field only displays when 'Formulation Type Code' is 'Solid' and 'Is this an impregnated material?' is 'Yes.'

-
- **Is the product an ear tag?:** Indicate whether the product is an ear tag. This field only displays when 'Formulation Type Code' is 'Solid' and 'Is this an impregnated material?' is 'Yes.'
 - **Plastic Type:** Enter a plastic type for a pet collar or ear tag product. This field only displays when 'Is the product a pet collar?' and/or 'Is the product an ear tag?' is/are 'Yes.'
 - **Is the product under pressure?:** Indicate whether the product is under pressure. Note that this does not apply to bag-on-valve products. This field only displays when 'Formulation Type Code' is 'Liquid' and is required when displayed.
 - **Is this a water-soluble package?:** Indicate whether the product's packaging is water-soluble. This field only displays when 'Formulation Type Code' is 'Solid' or 'Liquid' and is required when displayed.
 - **Ink Type:** Enter the ink type associated with the water-soluble packaging. The field only displays when 'Is this a water soluble package?' is 'Yes' and is required when displayed.
 - **Film Type:** Enter the film type associated with the water-soluble packaging. The field only displays when 'Is this a water soluble package?' is 'Yes' and is required when displayed.
 - **Does this product contain substrate/towelette/wipe?:** Indicate whether the product contains a substrate, towelette, or wipe. Note that products that have a substrate, towelette, or wipe cannot also have water-soluble packaging. This field only displays when 'Formulation Type Code' is 'Liquid' and is required when displayed.
 - **Tissue Type:** Indicate the tissue type for a 'Plant Incorporated Protectant' product. This field only displays when 'Formulation Type Code' is 'Plant Incorporated Protectant.' The following options are available for selection:
 - Whole Plant
 - Leaf
 - Kernel (Seed)
 - Root
 - Other
 - **Specify Other Tissue Type:** Enter the tissue type when none of the options in the 'Tissue Type' field applies to the product. This field only displays when 'Tissue Type' is 'Other.'
 - **Viscosity:** Enter a viscosity value, if necessary.
 - **Viscosity Units:** Select a viscosity unit. Please select 'mPa(s)' for liquid MA and/or 'End Use Products.' This field is required when a 'Viscosity' value is present. The following options are available for selection:
 - mPa(s)
 - cP
 - St
 - cSt

-
- **Box 7 – Is there a Density range?:** Indicate whether the product has measured upper and lower density values. This field is required.
 - **Box 7 – Density:** If the product does not have a density range, enter the density value. Only up to four decimal places are allowed. This field only displays when ‘Is there a Density range?’ is ‘No’ and is required when displayed.
 - **Box 7 – Lower Limit:** If the ‘Is there a Density range?’ field is ‘Yes,’ enter the lower limit density value. This field is required if the product has a density range.
 - **Box 7 – Upper Limit:** If the product has a density range, enter the upper limit density value. The field only displays when ‘Is there a Density range?’ is ‘Yes’ and is required when displayed.
 - **Box 7 – Density Unit:** Select a density unit. EPA requires that the ‘Density Unit’ for liquid products be reported in ‘pounds per US gallon (ppg)’ and ‘pounds per cubic foot (lb./ft³)’ for other product types. The eCSF application converts this input into the appropriate unit when a user validates or renders the XML file. This field is required. The following options are available for selection:
 - kilograms per cubic meter (kg/m³)
 - grams per cubic centimeter (g/cm³)
 - kilograms per liter (kg/L)
 - grams per milliliter (g/mL)
 - pounds per cubic foot (lb/ft³)
 - pounds per US gallon (ppg)
 - N/A (Specific Gravity)
 - **Box 7 – @Temperature:** Enter the temperature at which the ‘pounds per US gallon (ppg)’ or bulk density was determined. This field is required.
 - **Box 7 – Temperature Unit:** Select a unit for the ‘@Temperature’ value. This field is required. The following options are available for selection:
 - °F
 - °C
 - **Box 7 – Check if Density is N/A:** Indicate whether a density measurement is not applicable for the product. This checkbox only displays when ‘Formulation Type Code’ is ‘Plant Incorporated Protectant.’
 - **Box 7 – Reason Density is N/A:** Enter a reason why a density measure is not applicable for the product. This field only displays when ‘Check if Density is N/A’ is selected and is required when displayed.
 - **Box 8 – Is there a pH range?:** Indicate whether the product has measured upper and lower pH values. This field is required.

-
- **Box 8 – pH:** If the product does not have a pH range, enter the pH value. Only up to two decimal places are allowed. This field only displays when ‘Is there a pH range?’ is ‘No’ and is required when displayed.
 - **Box 8 – Lower Limit:** If the product has a pH range, enter the lower limit pH value. The field only displays when ‘Is there a pH range?’ is ‘Yes’ and is required when displayed.
 - **Box 8 – Upper Limit:** If the product has a pH range, enter the upper limit pH value. The field only displays when ‘Is there a pH range?’ is ‘Yes’ and is required when displayed.
 - **Box 8 – Phase:** Select the phase at which the pH value(s) was measured. The following options are available for selection:
 - Neat
 - Dispersion
 - Emulsion
 - Solution
 - **Solvent:** Enter the solvent substance for a product. This field only displays when ‘Box 8 – Phase’ is ‘Solution’ and is required when displayed.
 - **% Solvent:** Enter the percentage of the solvent substance for a product. This field only displays when ‘Box 8 – Phase’ is ‘Solution’ and is required when displayed.
 - **Box 8 – Check if pH is N/A:** Indicate whether a pH measurement is not applicable for the product.
 - **Box 8 – Reason pH is N/A:** Enter a reason why a pH measure is not applicable for the product. This field only displays when ‘Check if pH is N/A’ is selected and is required when displayed.
 - **Box 9 – Does Flash Point apply?:** Indicate whether a flash point applies to the product. This field is required.
 - **Box 9 – Flash Point:** Enter a flashpoint for combustible liquid MAs and 'End Use Products.' This field only displays when ‘Does Flash Point apply?’ is ‘Yes’ and is required when displayed.
 - **Box 9 – Temperature Unit:** Select a unit for the ‘Flash Point’ value. This field only displays when ‘Does Flash Point apply?’ is ‘Yes’ and is required when displayed. The following options are available for selection:
 - °F
 - °C
 - **Box 9 – Reason Flash Point is N/A:** Enter a reason for why a flash point is not applicable for the product. This field only displays when ‘Does Flash Point apply?’ is ‘No’ and is required when displayed.
 - **Box 9 – Does Flame Extension apply?:** Indicate whether a flame extension applies to the product. This field is required.

- **Box 9 – Flame Extension (Inches):** Provide the flame extension for aerosol products as measured in inches. This field only displays when ‘Does Flame Extension apply?’ is ‘Yes’ and is required when displayed.
- **Box 9 – Reason Flame Extension is N/A:** Enter a reason for why a flame extension is not applicable for the product. This field only displays when ‘Does Flame Extension apply?’ is ‘No’ and is required when displayed.

Exhibit 5-4 shows a screen capture of the ‘Product Properties Questions’ screen for a non-repack product:

Exhibit 5-4: ‘Product Properties’ Screen

Navigation: Fill out all necessary fields and select the ‘Next’ button.

5.4 ‘Components’ Screen

The ‘Components’ screen captures data about the components that make up a product formulation. List each component as introduced into the formulation. For each identifiable ingredient present in a formulation, provide the Chemical Name, Trade Name(s), Registration Number, and Chemical Abstracts Registry Number (CASRN), as applicable.

Note: This screen does not display when ‘Is this product a 100% Repack?’ is ‘Yes’ on the ‘Preliminary Questions’ screen.

The following items display on the ‘Components’ screen:

- **Mark for Registrant Review/Bypass Screen Validation:** Check this checkbox to bypass on-screen validation. When a user marks a screen for review, the navigation tree displays its title link text in red with an asterisk to indicate the screen requires future attention.

-
- **View by Sites & Suppliers (link):** Select this link to navigate the application to the ‘Box 11 – Manufacturing Sites & Component Suppliers’ screen.
 - **Download Components Template (link):** Select this link to download the latest version of the ‘Components’ template to a local machine.
 - **Download All Components (link):** Select this link to download a Microsoft Excel file containing all the entries in the displayed table.
 - **On-screen Validation Errors:** The application performs on-screen validations to ensure that both the totality of a formulation is accurate, and that underlying component data is complete and accurate. Error messages display to the right of the screen’s action buttons and provide reference to specific component entries that fail validation. When a generic error message displays, access the ‘Add Component’ pop-up via the ‘Edit’ link in the ‘Actions’ column to view and resolve the specific error.
 - **Add Component (button):** Select this button to initiate the manual component entry process. Refer to **Section 5.6.1** for detailed instructions on how to manually enter a component.
 - **Upload Components (button):** Select this button to initiate the bulk upload process for components.
 - **Delete All Components (button):** Select this button to remove all components listed on the screen. This will completely remove all components from an eCSF XML file and sever all site and supplier relationships.
 - **Table Filters:** Select these tabs to update the table view to display all components or only a specific component type.
 - **Pagination:** The pagination feature updates the table view to display 10, 25, 50, or 100 entries and displays the number of pages at the bottom right of the table.
 - **Search:** The search function updates the table view to display only those entries for which the entered string is present.
 - **Type (table column):** Displays the component type for the listed entry.
 - **Common Name (table column):** Displays the common name for the listed entry.
 - **Chemical Name (table column):** Displays the chemical name for the listed entry.
 - **Amount (table column):** Displays the entered amount for the listed entry.
 - **%w/w (Nominal) (table column):** Displays the entered percent weight of total weight, as well as the calculated nominal value for the listed entry.
 - **Actions (table column):** Select the ‘Manage Box 11 & Trade Names’ link to launch the ‘Manage Box 11 and Trade Names’ pop-up to manage site/supplier relationships and trade names. Select the ‘Edit’ link to launch the ‘Add Component’ pop-up to make changes to the listed entry. Select the ‘Delete’ link to remove the entry from the eCSF XML and sever all associated site and supplier relationships.

- **Total Weight – Box 17:** Displays a running total of all values entered in the ‘Amount’ column for each component entry.
- **Total %w/w:** Displays a running total of all values entered in the ‘%w/w (Nominal)’ column for each component entry. This must equal 100% for ‘End Use Products (EP)’ and ‘Manufacturing Use Product.’ For ‘Technical’ products, this value must be between 98.5%–101.5%. The application does not apply a validation if the product is a ‘Plant Incorporated Protectant (PIP)’ product.

Exhibit 5-5 shows a screen capture of the ‘Components’ screen:

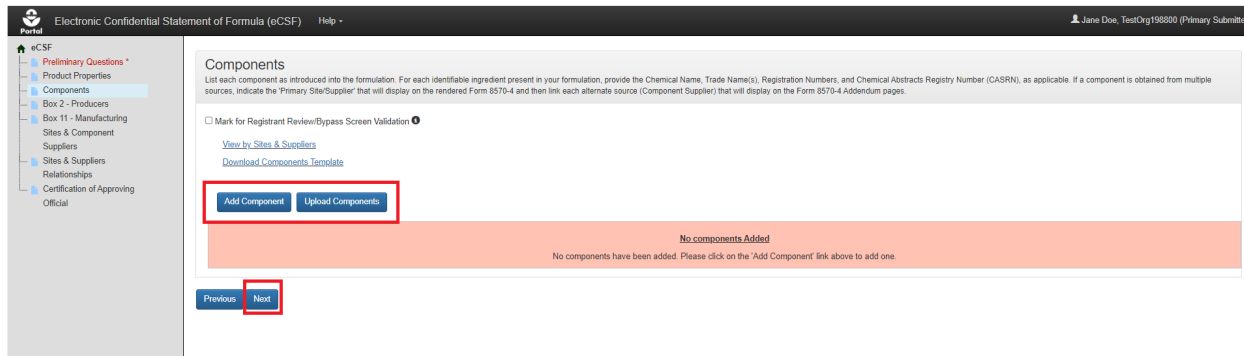


Exhibit 5-5: ‘Components’ Screen

Navigation: To add components, select the ‘Add Component’ button to make a single entry or select the ‘Upload Components’ button to upload a file containing multiple entries. Refer to **Section 0** for information regarding manual entry and **Section 5.6.2** for information regarding bulk upload. Select the ‘Next’ button to navigate away from the screen when all necessary entries are complete.

5.4.1 Manually Add a Component

The ‘Add Component’ pop-up allows a user to manually enter component data onto ‘EPA Form 8570-4 – Confidential Statement of Formula’ and is accessed by selecting either the ‘Add Component’ button or ‘Edit’ link on the ‘Components’ screen.

The following sub-sections detail the ‘Add Component’ pop-up for each component type available within the eCSF application.

5.4.1.1 Active Components

The following fields display in the ‘Add Component’ pop-up for an ‘Active’ component:

- **Component Type:** Select the component type to update the pop-up to display only those fields necessary for the selected component type. This field is required.
- **Is this a registered active ingredient?:** Indicate whether the ‘Active’ component is a registered ingredient. This field is required.

-
- **Registration Number – Box 12:** Enter ‘EPA Registration Number’ for the ‘Active’ component. If the product is pending registration, enter the registration number if known. If EPA has not assigned a registration number, enter the submission number or 'Pending.' If the component is an unregistered formulation preservative or grandfathered technical, a registration number is not required. After a user enters a number and navigates away from the field, the application performs a search of current registered product data to validate the number’s validity and automatically populate certain fields within the pop-up. This field is required when ‘Is this a registered active ingredient?’ is ‘Yes.’
 - **Chemical Name – Box 10:** Enter the component’s chemical name. The application will automatically populate this field with registered product data into a fixed field when a user indicates the component is a registered active ingredient and enters a valid number in the ‘Registration Number – Box 12’ field. This field is required.
 - **CASRN – Box 10:** Enter the component’s Chemical Abstracts Service Registry Number (CASRN). The application will automatically populate this field with registered product data into a fixed field when a user indicates the component is a registered active ingredient and enters a valid number in the ‘Registration Number – Box 12’ field. This field is required for registered active ingredients.
IUPAC Name – Box 10: Enter the component’s International Union of Pure and Applied Chemistry (IUPAC) name.
 - **Common Name (ISO Proposed or Accepted) – Box 10:** Enter the component’s proposed or accepted ISO common name. The application will automatically populate this field with registered product data into a fixed field when a user indicates the component is a registered active ingredient and enters a valid number in the ‘Registration Number – Box 12’ field. This field is required for registered active ingredients.
 - **PC Code – Box 10:** Enter the component’s PC Code. The application will automatically populate this field with registered product data when a user indicates the component is a registered active ingredient and enters a valid number in the ‘Registration Number – Box 12’ field.
 - **Override Chemical Name:** Select this checkbox to enable the ‘Chemical Name – Box 10,’ ‘CASRN – Box 10,’ and ‘Common Name (ISO Proposed or Accepted) – Box 10’ fields for manual data entry when data has been automatically populated into fixed fields based on ‘EPA Registration Number’ or chemical identity searches.
 - **Reason for Chemical Name Override:** Indicate a reason why changes to the automatically populated chemical identity fields are necessary. This field only displays when ‘Override Chemical Name’ is selected and is required when displayed.
 - **Consisting of (table for blended ‘Active Components’):** When a user enters EPA registration number for a blended ‘Active’ component, the ‘Consisting of’ table displays and populates with the chemical information for the component’s underlying chemicals. These values are directly tied to current registration data and cannot be changed.
 - **% Purity – Box 10:** Enter the purity for the component. The application will automatically populate this field with registered product data into a fixed field when a user indicates the

component is a registered active ingredient and enters a valid number in the 'Registration Number – Box 12' field. This field is required.

- **Amount – Box 13a:** Enter the amount of the component included in the formulation. This field is used in the calculations performed on the 'Components' screen. This field is required.
- **% Weight / Total Weight – Box 13b:** Enter the percent of the total composition the component comprises. The application sums this value with other components' values to perform a validation on the 'Components' screen. This field is required.
- **% Nominal – Box 13b:** Enter the percent nominal value as captured on the product label. The application automatically calculates this value based on the values entered in the '% Purity – Box 10' and '% Weight / Total Weight – Box 13b' fields. This is required to pass many on-screen validations.
- **% Upper Certified Limit – Box 14a:** Enter the 40 CFR 158.350 percent upper certified limit. The application automatically calculates this value based on the values entered in the '% Purity – Box 10' and '% Weight / Total Weight – Box 13b' fields.
- **% Upper Certified Limit – Box 14a (Nominal):** Enter the 40 CFR 158.350 percent upper certified limit for the nominal percentage. The application automatically calculates this value based on the values entered in the '% Purity – Box 10,' '% Weight / Total Weight – Box 13b,' and '% Nominal – Box 13b' fields.
- **% Lower Certified Limit – Box 14b:** Enter the 40 CFR 158.350 percent lower certified limit. The application automatically calculates this value based on the values entered in the '% Purity – Box 10' and '% Weight / Total Weight – Box 13b' fields.
- **% Lower Certified Limit – Box 14b (Nominal):** Enter the 40 CFR 158.350 percent lower certified limit for the nominal percentage. The application automatically calculates this value based on the values entered in the '% Purity – Box 10,' '% Weight / Total Weight – Box 13b,' and '% Nominal – Box 13b' fields.
- **Request Wider Certified Limits:** Select this checkbox to make manual changes to the calculated values in the '% Nominal – Box 13b,' '% Upper Certified Limit – Box 14a,' '% Upper Certified Limit – Box 14a (Nominal),' '% Lower Certified Limit – Box 14b,' or '% Lower Certified Limit – Box 14b (Nominal)' fields.
- **Justification for Wider Certified Limits:** Indicate a reason why wider and/or changes certified limits are necessary. This field only displays when 'Request Wider Certified Limits' is selected and is required when displayed.
- **Purpose in Formulation – Box 15:** Select a purpose in formulation for the component. This value is fixed as 'Active Ingredient' for 'Active' components. This field is required.
- **Is this component a Nanomaterial?:** Indicate whether the component is a nanomaterial. This field is required.
- **Culture Collection Deposit – Box 10:** Enter the culture collection in which a 'Microbial Pest Control Agent' is deposited and the 'Deposit Number.' This field only displays when 'Is product microbial?' is 'Yes' on the 'Preliminary Questions' screen.

- **Potency – Box 10:** Enter the numerical value of the guarantee, expressed in terms of potency. This field only displays when 'Is product microbial?' is 'Yes' on the 'Preliminary Questions' screen.
- **Viability – Box 10:** Enter the numerical value of the guarantee, expressed in terms of viability. This field only displays when 'Is product microbial?' is 'Yes' on the 'Preliminary Questions' screen.
- **% Upper Certified Limit – Expressed:** Enter the percent upper certified limit expressed for the product. This field only displays when 'Formulation Type Code' is 'Liquid' and 'Does this product contain substrate/towelette/wipe?' is 'Yes' on the 'Product Properties' screen.
- **% Lower Certified Limit – Expressed:** Enter the percent lower certified limit expressed for the product. This field only displays when 'Formulation Type Code' is 'Liquid' and 'Does this product contain substrate/towelette/wipe?' is 'Yes' on the 'Product Properties' screen.
- **% Nominal – Expressed:** Enter the percent nominal expressed for the product. This field only displays when 'Formulation Type Code' is 'Liquid' and 'Does this product contain substrate/towelette/wipe?' is 'Yes' on the 'Product Properties' screen.
- **Other Information:** Enter additional information related to the component that is not captured in other fields.

Exhibit 5-7 shows a screen capture of the 'Add Component' pop-up for a registered 'Active' component:

Add Component

Component Type	Active		
* Is this a registered active ingredient?	Yes	* Registration Number - Box 12	100-632
* Chemical Name - Box 10		CASRN - Box 10	66215-27-8
IUPAC Name - Box 10		PC Code - Box 10	121301
Common Name (ISO Proposed or Accepted) - Box 10		Cyromazine	

Certified Limits			
* % Purity - Box 10	97	* Amount - Box 13a	
* % Weight / Total Weight - Box 13b		% Nominal - Box 13b	
% Upper Certified Limit - Box 14a		% Upper Certified Limit - Box 14a (Nominal)	
% Lower Certified Limit - Box 14b		% Lower Certified Limit - Box 14b (Nominal)	
Request Wider Certified Limits	<input type="checkbox"/>		

Purpose in Formulation - Box 15	Active Ingredient	* Is this component a Nanomaterial?	Please Select...
---------------------------------	-------------------	-------------------------------------	------------------

Other Information

Save Component
Cancel

Exhibit 5-6: 'Add Component' Pop-Up – Registered Active

Navigation: Enter data in all required fields and select the 'Add Component' button.

Exhibit 5-7 shows a screen capture of the 'Add Component' pop-up for an unregistered 'Active' component:

Add Component

Component Type

* Is this a registered active ingredient?

[\[-\] Hide SRS Search](#)

Search SRS Data ⓘ

Show entries

Systematic Name	Registry Name	PC Code	CASRN	EPA Identifier
No Search Results There are no search results.				

Showing 0 to 0 of 0 entries

* Chemical Name - Box 10 Override Chemical Name

CASRN - Box 10

IUPAC Name - Box 10

Common Name (ISO Proposed or Accepted) - Box 10

Certified Limits

* % Purity - Box 10 <input type="text" value="97"/>	* Amount - Box 13a <input type="text"/>
* % Weight / Total Weight - Box 13b <input type="text"/>	% Nominal - Box 13b ⓘ <input type="text"/>
% Upper Certified Limit - Box 14a <input type="text"/>	% Upper Certified Limit - Box 14a (Nominal) <input type="text"/>
% Lower Certified Limit - Box 14b <input type="text"/>	% Lower Certified Limit - Box 14b (Nominal) <input type="text"/>

Exhibit 5-7: 'Add Component' Pop-Up – Unregistered Active

Navigation: Enter data in all required fields and select the 'Add Component' button.

Exhibit 5-9 shows a screen capture of the 'Add Component' pop-up for a registered, blended 'Active' component:

Add Component

Component Type Active

* Is this a registered active ingredient? Yes

* Registration Number - Box 12

Consisting of:

Show entries

Active Ingredient Name	% Weight / Total Weight - Box 13b	% Upper Certified Limit - Box 14a	% Lower Certified Limit - Box 14b
Sulfentrazone	1.6	1.68	1.52
Quinclorac	5	5.25	4.75

Showing 1 to 2 of 2 entries

Certified Limits

* % Purity - Box 10 * Amount - Box 13a

* % Weight / Total Weight - Box 13b % Nominal - Box 13b

% Upper Certified Limit - Box 14a % Upper Certified Limit - Box 14a (Nominal)

% Lower Certified Limit - Box 14b % Lower Certified Limit - Box 14b (Nominal)

Request Wider Certified Limits

Purpose in Formulation - Box 15 Active Ingredient

* Is this component a Nanomaterial?

Other Information

Exhibit 5-8: 'Add Component' Pop-Up – Blended Active

Navigation: Enter data in all required fields and select the 'Add Component' button.

5.4.1.2 Alternate Active Components

To add an alternate source for a registered active component, select 'Alternate Active' from the 'Component Type' drop down and enter the registration number for the alternate source of the active ingredient. Note that all chemical identity and purity data must match between a parent active ingredient and alternate source for an active ingredient.

The following fields display in the ‘Add Component’ pop-up for an ‘Alternate Active’ component:

- **Component Type:** Select the component type to update the modal to display only those fields necessary for the selected component type. This field is required.
- **Add Alternate Source for:** Select the parent active ingredient for which this component is an alternate source. This field is required.
- **Registration Number – Box 12:** Enter the ‘EPA Registration Number’ for the ‘Alternate Active’ component. After a user enters a number and navigates away from the field, the application performs a search of current registered product data to validate the number’s validity and automatically populate certain fields within the pop-up. This field is required.
- **Chemical Name – Box 10:** Enter the component’s chemical name. The application will automatically populate this field with registered product data into a fixed field when a user indicates the component is a registered active ingredient and enters a valid number in the ‘Registration Number – Box 12’ field. This field is required and must match its parent active ingredient value.
- **CASRN – Box 10:** Enter the component’s Chemical Abstracts Service Registry Number (CASRN). The application will automatically populate this field with registered product data into a fixed field when a user indicates the component is a registered active ingredient and enters a valid number in the ‘Registration Number – Box 12’ field. This field is required and must match its parent active ingredient value.
- **Common Name (ISO Proposed or Accepted) – Box 10:** Enter the component’s proposed or accepted ISO common name. The application will automatically populate this field with registered product data into a fixed field when a user indicates the component is a registered active ingredient and enters a valid number in the ‘Registration Number – Box 12’ field. This field is required and must match its parent active ingredient value.
- **IUPAC Name – Box 10:** Enter the component’s IUPAC name.
- **PC Code – Box 10:** Enter the component’s PC Code. The application will automatically populate this field with registered product data when a user indicates the component is a registered active ingredient and enters a valid number in the ‘Registration Number – Box 12’ field.
- **Reason for Chemical Name Override:** Indicate a reason why changes to the automatically populated chemical identity fields are necessary. This field only displays when ‘Override Chemical Name’ is selected and is required when displayed.
- **% Purity – Box 10:** Enter the purity for the component. The application will automatically populate this field with registered product data into a fixed field when a user indicates the component is a registered active ingredient and enters a valid number in the ‘Registration Number – Box 12’ field. This field is required and must match its parent active ingredient value.
- **Amount – Box 13a:** Enter the amount of the component included in the formulation. This field is used in the calculations performed on the ‘Components’ screen. This field is required.

-
- **% Weight / Total Weight – Box 13b:** Enter the percent of the total composition the component comprises. The application sums this value with other components' values to perform a validation on the 'Components' screen. This field is required.
 - **% Nominal – Box 13b:** Enter the percent nominal value as captured on the product label. The application automatically calculates this value based on the values entered in the '% Purity – Box 10' and '% Weight / Total Weight – Box 13b' fields. This field is required to pass many on-screen validations.
 - **% Upper Certified Limit – Box 14a:** Enter the 40 CFR 158.350 percent upper certified limit. The application automatically calculates this value based on the values entered in the '% Purity – Box 10' and '% Weight / Total Weight – Box 13b' fields.
 - **% Upper Certified Limit – Box 14a (Nominal):** Enter the 40 CFR 158.350 percent upper certified limit for the nominal percentage. The application automatically calculates this value based on the values entered in the '% Purity – Box 10,' '% Weight / Total Weight – Box 13b,' and '% Nominal – Box 13b' fields.
 - **% Lower Certified Limit – Box 14b:** Enter the 40 CFR 158.350 percent lower certified limit. The application automatically calculates this value based on the values entered in the '% Purity – Box 10' and '% Weight / Total Weight – Box 13b' fields.
 - **% Lower Certified Limit – Box 14b (Nominal):** Enter the 40 CFR 158.350 percent lower certified limit for the nominal percentage. The application automatically calculates this value based on the values entered in the '% Purity – Box 10,' '% Weight / Total Weight – Box 13b,' and '% Nominal – Box 13b' fields.
 - **Purpose in Formulation – Box 15:** Select a purpose in formulation for the component. This value is fixed as 'Active Ingredient' for 'Active' components. This field is required.
 - **Is this component a Nanomaterial?:** Indicate whether the component is a nanomaterial. This field is required.
 - **Culture Collection Deposit – Box 10:** Enter the culture collection in which a 'Microbial Pest Control Agent' is deposited and the 'Deposit Number.' This field only displays when 'Is product microbial?' is 'Yes' on the 'Preliminary Questions' screen.
 - **Potency – Box 10:** Enter the numerical value of the guarantee, expressed in terms of potency. This field only displays when 'Is product microbial?' is 'Yes' on the 'Preliminary Questions' screen.
 - **Viability – Box 10:** Enter the numerical value of the guarantee, expressed in terms of viability. This field only displays when 'Is product microbial?' is 'Yes' on the 'Preliminary Questions' screen.
 - **% Upper Certified Limit – Expressed:** Enter the percent upper certified limit expressed for the product. This field only displays when 'Formulation Type Code' is 'Liquid' and 'Does this product contain substrate/towelette/wipe?' is 'Yes' on the 'Product Properties' screen.
 - **% Lower Certified Limit – Expressed:** Enter the percent lower certified limit expressed for the product. This field only displays when 'Formulation Type Code' is 'Liquid' and 'Does this product contain substrate/towelette/wipe?' is 'Yes' on the 'Product Properties' screen.

- **% Nominal – Expressed:** Enter the percent nominal expressed for the product. This field only displays when 'Formulation Type Code' is 'Liquid' and 'Does this product contain substrate/towelette/wipe?' is 'Yes' on the 'Product Properties' screen.
- **Other Information:** Enter additional information related to the component that is not captured in other fields.

Exhibit 5-9 shows a screen capture of the ‘Add Component’ pop-up for an ‘Alternate Active’ component:

Add Component

Component Type	<input type="text" value="Alternate Active"/>		
Add Alternate Source for:	<input type="text" value="[Didecyl dimethyl ammonium]"/>		
* Registration Number - Box 12	<input type="text" value="100-727"/>	* CASRN - Box 10	<input type="text" value="95266-40-3"/>
* Chemical Name - Box 10	<input type="text" value="Cyclohexanecarboxylic acid, 4-(cy)"/>	PC Code - Box 10	<input type="text" value="112602"/>
IUPAC Name - Box 10	<input type="text"/>	* Common Name (ISO Proposed or Accepted) - Box 10	<input type="text" value="Trinexapac-ethyl"/>

Certified Limits			
* % Purity - Box 10	<input type="text" value="97"/>	* Amount - Box 13a	<input type="text" value="1"/>
* % Weight / Total Weight - Box 13b	<input type="text" value="20"/>	% Nominal - Box 13b	<input type="text" value="19.4"/>
% Upper Certified Limit - Box 14a	<input type="text" value="21"/>	% Upper Certified Limit - Box 14a (Nominal)	<input type="text" value="20.37"/>
% Lower Certified Limit - Box 14b	<input type="text" value="19"/>	% Lower Certified Limit - Box 14b (Nominal)	<input type="text" value="18.43"/>

Purpose in Formulation - Box 15	<input type="text" value="Active Ingredient"/>	* Is this component a Nanomaterial?	<input type="text" value="Yes"/>
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Microbial	
Culture Collection Deposit - Box 10	Potency - Box 10
<input type="text"/>	<input type="text"/>
Viability - Box 10	
<input type="text"/>	

Exhibit 5-9: 'Add Component' Pop-Up – Alternate Active

Navigation: Enter data in all required fields and select the 'Add Component' button.

5.4.1.3 Impurity Components

The application allows the inclusion of 'Impurity' components in 'Technical' and 'Manufacturing Use Product' formulations. Each 'Technical' product must have at least one (1) 'Impurity' component.

The following fields display in the 'Add Component' pop-up for an 'Impurity' component:

- **Component Type:** Select the component type to update the modal to display only those fields necessary for the selected component type. This field is required.
- **Chemical Name – Box 10:** Enter the component's chemical name. This field is required.
- **CASRN – Box 10:** Enter the component's CASRN.
- **Common Name (ISO Proposed or Accepted) – Box 10:** Enter the component's proposed or accepted ISO common name.
- **IUPAC Name – Box 10:** Enter the component's IUPAC name.
- **Amount – Box 13a:** Enter the amount of the component included in the formulation. This field is used in the calculations performed on the 'Components' screen.
- **% Weight / Total Weight – Box 13b:** Enter the percent of the total composition the component comprises. The application sums this value with other components' values to perform a validation on the 'Components' screen.
- **% Upper Certified Limit – Box 14a:** Enter the 40 CFR 158.350 percent upper certified limit. The application automatically calculates this value based on the values entered in the '% Purity – Box 10' and '% Weight / Total Weight – Box 13b' fields. This field is required.
- **Purpose in Formulation – Box 15:** Select a purpose in formulation for the component. This value is fixed as 'Impurity' for 'Impurity' components. This field is required.
- **Is this component a Nanomaterial?:** Indicate whether the component is a nanomaterial. This field is required.
- **Other Information:** Enter additional information related to the component that is not captured in other fields.

Exhibit 5-10 shows a screen capture of the ‘Add Component’ pop-up for an ‘Impurity’ component:

Edit Impurity Component

Component Type: Impurity

* Chemical Name - Box 10: Cyclohexanecarboxylic acid, 4-(cy) Common Name (ISO Proposed or Accepted) - Box 10: []

CASRN - Box 10: []

IUPAC Name - Box 10: []

Certified Limits

Amount - Box 13a: 0

% Weight / Total Weight - Box 13b: 0

* % Upper Certified Limit - Box 14a: 20

* % Lower Certified Limit - Box 14b: 20

Purpose in Formulation - Box 15: Impurity * Is this component a Nanomaterial?: No

Other Information: []

Save Component Cancel

Exhibit 5-10: ‘Add Component’ Pop-Up – Impurity Component

Navigation: Enter data in all required fields and select the ‘Add Component’ button.

5.4.1.4 Inert Components

The following fields display in the ‘Add Component’ pop-up for an ‘Inert’ component:

- **Component Type:** Select the component type to update the pop-up to display only those fields necessary for the selected component type. This field is required.
- **Chemical Name – Box 10:** Enter the component’s chemical name. The application will automatically populate this field when a chemical identity search result is selected. This field is required.

-
- **CASRN – Box 10:** Enter the component’s Chemical Abstracts Service Registry Number (CASRN). The application will automatically populate this field when a chemical identity search result is selected.
 - **Common Name (ISO Proposed or Accepted) – Box 10:** Enter the component’s proposed or accepted ISO common name. The application will automatically populate this field when a chemical identity search result is selected.
 - **IUPAC Name – Box 10:** Enter the component’s International Union of Pure and Applied Chemistry (IUPAC) name.
 - **Is this Inert component a mixture?:** Select whether the component is a mixture. This field is required.
 - **Registration Number – Box 12:** Enter the ‘EPA Registration Number’ for the ‘Inert’ component.
 - **Override Chemical Name:** Select this checkbox to enable the ‘Chemical Name – Box 10,’ ‘CASRN – Box 10,’ and ‘Common Name (ISO Proposed or Accepted) – Box 10’ fields for manual data entry when data has been automatically populated into fixed fields based on a chemical identity search.
 - **Reason for Chemical Name Override:** Indicate a reason why changes to the automatically populated chemical identity fields are necessary. This field only displays when ‘Override Chemical Name’ is selected and is required when displayed.
 - **Is this a Commodity Inert?:** Select whether the component is a commodity inert. If the component is a commodity inert, a site/supplier relationship (Box 11) will not be required for the component. This field only displays when the inert component is selected from the chemical identity search, the selected chemical is permitted by EPA to be a commodity inert, and ‘Is this Inert component a mixture?’ is ‘No.’ This field is required when displayed.
 - **% Purity – Box 10:** Enter the purity for the component. This field must be one-hundred (100) for mixtures and is prepopulated as one-hundred unless the inert component is identified by EPA as being an ‘Inert Ingredients of Toxicological Concern.’ This field is required.
 - **Amount – Box 13a:** Enter the amount of the component included in the formulation. This field is used in the calculations performed on the ‘Components’ screen. This field is required.
 - **% Weight / Total Weight – Box 13b:** Enter the percent of the total composition the component comprises. The application sums this value with other components’ values to perform a validation on the ‘Components’ screen. This field is required.
 - **% Nominal – Box 13b:** Enter the percent nominal value as captured on the product label. The application automatically calculates this value based on the values entered in the ‘% Purity – Box 10’ and ‘% Weight / Total Weight – Box 13b’ fields. This is required to pass many on-screen validations.
 - **% Upper Certified Limit – Box 14a:** Enter the 40 CFR 158.350 percent upper certified limit. The application automatically calculates this value based on the values entered in the ‘% Purity – Box 10’ and ‘% Weight / Total Weight – Box 13b’ fields.

- **% Upper Certified Limit – Box 14a (Nominal):** Enter the 40 CFR 158.350 percent upper certified limit for the nominal percentage. The application automatically calculates this value based on the values entered in the ‘% Purity – Box 10,’ ‘% Weight / Total Weight – Box 13b,’ and ‘% Nominal – Box 13b’ fields.
- **% Lower Certified Limit – Box 14b:** Enter the 40 CFR 158.350 percent lower certified limit. The application automatically calculates this value based on the values entered in the ‘% Purity – Box 10’ and ‘% Weight / Total Weight – Box 13b’ fields.
- **% Lower Certified Limit – Box 14b (Nominal):** Enter the 40 CFR 158.350 percent lower certified limit for the nominal percentage. The application automatically calculates this value based on the values entered in the ‘% Purity – Box 10,’ ‘% Weight / Total Weight – Box 13b,’ and ‘% Nominal – Box 13b’ fields.
- **Request Wider Certified Limits:** Select this checkbox to make manual changes to the calculated values in the ‘% Nominal – Box 13b,’ ‘% Upper Certified Limit – Box 14a,’ ‘% Upper Certified Limit – Box 14a (Nominal),’ ‘% Lower Certified Limit – Box 14b,’ or ‘% Lower Certified Limit – Box 14b (Nominal)’ fields.
- **Justification for Wider Certified Limits:** Indicate a reason why wider and/or changes certified limits are necessary. This field only displays when ‘Request Wider Certified Limits’ is selected and is required when displayed.
- **Purpose in Formulation – Box 15:** Select a purpose in formulation for the component. This value is fixed as ‘Active Ingredient’ for ‘Active’ components. This field is required.
- **Is this component a Nanomaterial?:** Indicate whether the component is a nanomaterial. This field is required.
- **Other Information:** Enter additional information related to the component that is not captured in other fields.

Exhibit 5-11 shows a screen capture of the ‘Add Component’ pop-up for an ‘Inert’ component

* Chemical Name - Box 10	<input type="text" value="Water"/>	Override Chemical Name	<input type="checkbox"/>
CASRN - Box 10	<input type="text" value="7732-18-5"/>	* Is this inert component a mixture?	<input type="text" value="No"/>
IUPAC Name - Box 10	<input type="text"/>	Reg. No. - Box 12	<input type="text"/>
Common Name (ISO Proposed or Accepted) - Box 10	<input type="text" value="Water"/>	* Is this a Commodity Inert?	<input type="text" value="No"/>

Certified Limits

* % Purity - Box 10	<input type="text" value="100"/>	* Amount - Box 13a	<input type="text" value="1"/>
* % Weight / Total Weight - Box 13b	<input type="text" value="20"/>	% Nominal - Box 13b	<input type="text" value="20"/>
% Upper Certified Limit - Box 14a	<input type="text" value="21"/>	% Upper Certified Limit - Box 14a (Nominal)	<input type="text" value="21"/>
% Lower Certified Limit - Box 14b	<input type="text" value="19"/>	% Lower Certified Limit - Box 14b (Nominal)	<input type="text" value="19"/>
Request Wider Certified Limits	<input type="checkbox"/>		

* Purpose in Formulation - Box 15	<input type="text" value="Water Repellent"/>	* Is this component a Nanomaterial?	<input type="text" value="No"/>
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Other Information

<input type="button" value="Save Component"/>	<input type="button" value="Cancel"/>
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Exhibit 5-11: ‘Add Component’ Pop-Up – Inert Component

Navigation: Enter data in all required fields and select the ‘Save Component’ button.

5.4.1.5 Dye Components

The application allows the inclusion of ‘Dye’ components in ‘End Use Product’ and ‘Manufacturing Use Product’ formulations.

The following fields display in the ‘Add Component’ pop-up for a ‘Dye’ component:

- **Component Type:** Select the component type to update the modal to display only those fields necessary for the selected component type. This field is required.
- **Chemical Name – Box 10:** Enter the component’s chemical name. This field is required.
- **CASRN – Box 10:** Enter the component’s CASRN.
- **Common Name (ISO Proposed or Accepted) – Box 10:** Enter the component’s proposed or accepted ISO common name.
- **IUPAC Name – Box 10:** Enter the component’s IUPAC name.
- **% Purity – Box 10:** Enter the purity for the component. This value defaults to “100” for inert mixtures and inert components that are not flagged as ‘Inert Ingredients of Toxicological Concern,’ which require a manual entry.
- **Amount – Box 13a:** Enter the amount of the component included in the formulation. This field is used in the calculations performed on the ‘Components’ screen. This field is required.
- **% Weight / Total Weight – Box 13b:** Enter the percent of the total composition the component comprises. The application sums this value with other components’ values to perform a validation on the ‘Components’ screen. This field is required.
- **% Upper Certified Limit – Box 14a:** Enter the 40 CFR 158.350 percent upper certified limit. The application automatically calculates this value based on the values entered in the ‘% Purity – Box 10’ and ‘% Weight / Total Weight – Box 13b’ fields.
- **% Lower Certified Limit – Box 14b:** Enter the 40 CFR 158.350 percent lower certified limit. The application automatically calculates this value based on the values entered in the ‘% Purity – Box 10’ and ‘% Weight / Total Weight – Box 13b’ fields.
- **Request Wider Certified Limits:** Select this checkbox to make manual changes to the calculated values in the ‘% Upper Certified Limit – Box 14a’ and ‘% Lower Certified Limit – Box 14b,’ fields.
- **Justification for Wider Certified Limits:** Indicate a reason why wider and/or changes certified limits are necessary. This field only displays when ‘Request Wider Certified Limits’ is selected and is required when displayed.
- **Purpose in Formulation – Box 15:** Select a purpose in formulation for the component. This value is fixed as ‘Dye/Coloring Agent/Colorant/Pigment’ for ‘Dye’ components.
- **Is this component a Nanomaterial?:** Indicate whether the component is a nanomaterial. This field is required.
- **Other Information:** Enter additional information related to the component that is not captured in other fields.

Exhibit 5-12 shows a screen capture of the ‘Add Component’ pop-up for a ‘Dye’ component:

Add Component

Component Type: Dye

Chemical Name - Box 10:

IUPAC Name - Box 10:

Common Name (ISO Proposed or Accepted) - Box 10:

CASRN - Box 10:

PC Code - Box 10:

Certified Limits

% Purity - Box 10:

% Weight / Total Weight - Box 13b:

% Upper Certified Limit - Box 14a:

% Lower Certified Limit - Box 14b:

Request Wider Certified Limits:

Purpose in Formulation - Box 15: Dye/Coloring Agent/Colorant/Pigment

Other Information:

Save Component Cancel

Exhibit 5-12: 'Add Component' Pop-Up – Dye Component

Navigation: Enter data in all required fields and select the 'Save Component' button.

5.4.1.6 Fragrance Components

The application allows the inclusion of 'Fragrance' components in 'End Use Product' and 'Manufacturing Use Product' formulations.

The following fields display in the 'Add Component' pop-up for a 'Fragrance' component:

- **Component Type:** Select the component type to update the modal to display only those fields necessary for the selected component type. This field is required.
- **Chemical Name – Box 10:** Enter the component's chemical name. This field is required.
- **CASRN – Box 10:** Enter the component's CASRN.
- **Common Name (ISO Proposed or Accepted) – Box 10:** Enter the component's proposed or accepted ISO common name.
- **IUPAC Name – Box 10:** Enter the component's IUPAC name.

- **% Purity – Box 10:** Enter the purity for the component.
- **Amount – Box 13a:** Enter the amount of the component included in the formulation. This field is used in the calculations performed on the ‘Components’ screen. This field is required.
- **% Weight / Total Weight – Box 13b:** Enter the percent of the total composition the component comprises. The application sums this value with other components’ values to perform a validation on the ‘Components’ screen. This field is required.
- **% Nominal – Box 13b:** Enter the percent nominal value as captured on the product label. The application automatically calculates this value based on the values entered in the ‘% Purity – Box 10’ and ‘% Weight / Total Weight – Box 13b’ fields. This field is required to pass many on-screen validations.
- **% Upper Certified Limit – Box 14a:** Enter the 40 CFR 158.350 percent upper certified limit. The application automatically calculates this value based on the values entered in the ‘% Purity – Box 10’ and ‘% Weight / Total Weight – Box 13b’ fields.
- **% Upper Certified Limit – Box 14a (Nominal):** Enter the 40 CFR 158.350 percent upper certified limit for the nominal percentage. The application automatically calculates this value based on the values entered in the ‘% Purity – Box 10,’ ‘% Weight / Total Weight – Box 13b,’ and ‘% Nominal – Box 13b’ fields.
- **% Lower Certified Limit – Box 14b:** Enter the 40 CFR 158.350 percent lower certified limit. The application automatically calculates this value based on the values entered in the ‘% Purity – Box 10’ and ‘% Weight / Total Weight – Box 13b’ fields.
- **% Lower Certified Limit – Box 14b (Nominal):** Enter the 40 CFR 158.350 percent lower certified limit for the nominal percentage. The application automatically calculates this value based on the values entered in the ‘% Purity – Box 10,’ ‘% Weight / Total Weight – Box 13b,’ and ‘% Nominal – Box 13b’ fields.
- **Request Wider Certified Limits:** Select this checkbox to make manual changes to the calculated values in the ‘% Nominal – Box 13b,’ ‘% Upper Certified Limit – Box 14a,’ ‘% Upper Certified Limit – Box 14a (Nominal),’ ‘% Lower Certified Limit – Box 14b,’ or ‘% Lower Certified Limit – Box 14b (Nominal)’ fields.
- **Justification for Wider Certified Limits:** Indicate a reason why wider and/or changes certified limits are necessary. This field only displays when ‘Request Wider Certified Limits’ is selected and is required when displayed.
- **Purpose in Formulation – Box 15:** Select a purpose in formulation for the component. This value is fixed as ‘Fragrance’ for ‘Fragrance’ components.
- **Is this component a Nanomaterial?:** Indicate whether the component is a nanomaterial. This field is required.
- **Other Information:** Enter additional information related to the component that is not captured in other fields.

Exhibit 5-13 shows a screen capture of the ‘Add Component’ pop-up for a ‘Fragrance’ component:

Add Component

Component Type:

Chemical Name - Box 10:

IUPAC Name - Box 10:

Common Name (ISO Proposed or Accepted) - Box 10:

CASRN - Box 10:

PC Code - Box 10:

Certified Limits

% Purity - Box 10:

% Weight / Total Weight - Box 13b:

% Upper Certified Limit - Box 14a:

% Lower Certified Limit - Box 14b:

Request Wider Certified Limits:

Amount - Box 13a:

% Nominal - Box 13b:

% Upper Certified Limit - Box 14a (Nominal):

% Lower Certified Limit - Box 14b (Nominal):

Purpose in Formulation - Box 15:

Other Information:

Save Component Cancel

Exhibit 5-13: 'Add Component' Pop-Up – Fragrance Component

Navigation: Enter data in all required fields and select the 'Save Component' button.

5.4.1.7 Fertilizer Components

The application allows the inclusion of 'Fertilizer' components in 'End Use Product' and 'Manufacturing Use Product' formulations.

The following fields display in the 'Add Component' pop-up for a 'Fertilizer' component:

- **Component Type:** Select the component type to update the modal to display only those fields necessary for the selected component type. This field is required.
- **Chemical Name – Box 10:** Enter the component's chemical name. This field is required.
- **CASRN – Box 10:** Enter the component's CASRN.
- **Common Name (ISO Proposed or Accepted) – Box 10:** Enter the component's proposed or accepted ISO common name.
- **IUPAC Name – Box 10:** Enter the component's IUPAC name.

-
- **Contains Nitrogen?:** Indicate whether the ‘Fertilizer’ component contains nitrogen. This field is required.
 - **Maximum Nitrogen Percentage Tested – Box 10:** Enter the maximum percent of nitrogen tested in the ‘Acute Eye Irritation’ guideline study, OPPTS 870.2400. This field only displays when ‘Contains Nitrogen?’ is ‘Yes’ and is required when displayed.
 - **% Purity – Box 10:** Enter the purity for the component.
 - **Amount – Box 13a:** Enter the amount of the component included in the formulation. This field is used in the calculations performed on the ‘Components’ screen. This field is required.
 - **% Weight / Total Weight – Box 13b:** Enter the percent of the total composition the component comprises. The application sums this value with other components’ values to perform a validation on the ‘Components’ screen. This field is required.
 - **% Nominal – Box 13b:** Enter the percent nominal value as captured on the product label. The application automatically calculates this value based on the values entered in the ‘% Purity – Box 10’ and ‘% Weight / Total Weight – Box 13b’ fields. This field is required to pass many on-screen validations.
 - **% Upper Certified Limit – Box 14a:** Enter the 40 CFR 158.350 percent upper certified limit. The application automatically calculates this value based on the values entered in the ‘% Purity – Box 10’ and ‘% Weight / Total Weight – Box 13b’ fields.
 - **% Upper Certified Limit – Box 14a (Nominal):** Enter the 40 CFR 158.350 percent upper certified limit for the nominal percentage. The application automatically calculates this value based on the values entered in the ‘% Purity – Box 10,’ ‘% Weight / Total Weight – Box 13b,’ and ‘% Nominal – Box 13b’ fields.
 - **% Lower Certified Limit – Box 14b:** Enter the 40 CFR 158.350 percent lower certified limit. The application automatically calculates this value based on the values entered in the ‘% Purity – Box 10’ and ‘% Weight / Total Weight – Box 13b’ fields.
 - **% Lower Certified Limit – Box 14b (Nominal):** Enter the 40 CFR 158.350 percent lower certified limit for the nominal percentage. The application automatically calculates this value based on the values entered in the ‘% Purity – Box 10,’ ‘% Weight / Total Weight – Box 13b,’ and ‘% Nominal – Box 13b’ fields.
 - **Request Wider Certified Limits:** Select this checkbox to make manual changes to the calculated values in the ‘% Nominal – Box 13b,’ ‘% Upper Certified Limit – Box 14a,’ ‘% Upper Certified Limit – Box 14a (Nominal),’ ‘% Lower Certified Limit – Box 14b,’ or ‘% Lower Certified Limit – Box 14b (Nominal)’ fields.
 - **Justification for Wider Certified Limits:** Indicate a reason why wider and/or changes certified limits are necessary. This field only displays when ‘Request Wider Certified Limits’ is selected and is required when displayed.
 - **Purpose in Formulation – Box 15:** Select a purpose in formulation for the component. This value is fixed as ‘Fertilizer’ for ‘Fertilizer’ components.
 - **Is this component a Nanomaterial?:** Indicate whether the component is a nanomaterial. This field is required.

- **Other Information:** Enter additional information related to the component that is not captured in other fields.

Exhibit 5-14 shows a screen capture of the ‘Save Component’ pop-up for a ‘Fertilizer’ component:

The screenshot shows the 'Add Component' pop-up window. At the top, the title is 'Add Component'. Below the title, there is a dropdown menu for 'Component Type' set to 'Fertilizer'. The form is divided into several sections:

- Identification:** Includes 'Chemical Name - Box 10', 'CASRN - Box 10', 'Contains Nitrogen?' (a dropdown menu with 'Please Select...' selected), and 'IUPAC Name - Box 10'.
- Common Name:** 'Common Name (ISO Proposed or Accepted) - Box 10'.
- Certified Limits:** A section with multiple input fields: '% Purity - Box 10', '% Weight / Total Weight - Box 13b', '% Upper Certified Limit - Box 14a', '% Lower Certified Limit - Box 14b', 'Request Wider Certified Limits' (checkbox), 'Amount - Box 13a', '% Nominal - Box 13b', '% Upper Certified Limit - Box 14a (Nominal)', and '% Lower Certified Limit - Box 14b (Nominal)'.
- Purpose in Formulation:** 'Purpose in Formulation - Box 15' dropdown menu set to 'Fertilizer'.
- Other Information:** A large text input field.

 At the bottom left, there are two buttons: 'Save Component' (highlighted with a red box) and 'Cancel'.

Exhibit 5-14: ‘Add Component’ Pop-Up – Fertilizer Component

Navigation: Enter data in all required fields and select the ‘Save Component’ button.

5.4.1.8 Water Soluble Packaging Material and Ink Type Components

The application allows the inclusion of ‘Water Soluble Packaging Material’ and ‘Water Soluble Packaging Ink Type’ components when 'Is this a water soluble package?' is 'Yes' on the 'Product Properties' screen.

The following fields display in the ‘Add Component’ pop-up for a ‘Water Soluble Packaging Material’ or ‘Water Soluble Packaging Ink Type’ component:

- **Component Type:** Select the component type to update the modal to display only those fields necessary for the selected component type. This field is required.
- **Chemical Name – Box 10:** Enter the component’s chemical name. This field is required.
- **CASRN – Box 10:** Enter the component’s CASRN. This field is required.

- **Common Name (ISO Proposed or Accepted) – Box 10:** Enter the component’s proposed or accepted ISO common name. This field is required.
- **IUPAC Name – Box 10:** Enter the component’s IUPAC name.
- **Purpose in Formulation – Box 15:** Select a purpose in formulation for the component. This value is fixed as ‘Water Soluble Packaging’ for ‘Water Soluble Packaging Material’ components and ‘Water Soluble Packaging Ink Type’ for ‘Water Soluble Packaging Ink Type’ components.

Exhibit 5-15 shows a screen capture of the ‘Add Component’ pop-up for a ‘Water Soluble’ component:

The screenshot shows a modal window titled "Add Component". It contains the following fields and controls:

- Component Type:** A dropdown menu with "Water Soluble Packaging Material" selected.
- Chemical Name - Box 10:** An empty text input field.
- CASRN - Box 10:** An empty text input field.
- IUPAC Name - Box 10:** An empty text input field.
- Common Name (ISO Proposed or Accepted) - Box 10:** An empty text input field.
- Purpose in Formulation - Box 15:** A dropdown menu with "Water Soluble Packaging" selected.
- Buttons:** "Save Component" (highlighted with a red box) and "Cancel".

Exhibit 5-15: ‘Add Component’ Pop-Up – Water Soluble Component

Navigation: Enter data in all required fields and select the ‘Save Component’ button.

5.4.1.9 Towelette Components

The application allows the inclusion of ‘Towelette’ components when 'Does this product contain substrate/towelette/wipe?' is ‘Yes’ on the 'Product Properties' screen.

The following fields display in the ‘Add Component’ pop-up for a ‘Towelette’ component:

- **Component Type:** Select the component type to update the modal to display only those fields necessary for the selected component type. This field is required.
- **Chemical Name – Box 10:** Enter the component’s chemical name. This field is required.
- **CASRN – Box 10:** Enter the component’s CASRN. This field is required.
- **Common Name (ISO Proposed or Accepted) – Box 10:** Enter the component’s proposed or accepted ISO common name. This field is required.

- **IUPAC Name – Box 10:** Enter the component’s IUPAC name.
- **Purpose in Formulation – Box 15:** Select a purpose in formulation for the component. This value is fixed as ‘Towelette’ for ‘Towelette’ components.

Exhibit 5-16 shows a screen capture of the ‘Add Component’ pop-up for a ‘Towelette’ component:

The screenshot shows a form titled "Add Component". At the top, "Component Type" is set to "Towelette". Below this are four input fields: "Chemical Name - Box 10", "CASRN - Box 10", "IUPAC Name - Box 10", and "Common Name (ISO Proposed or Accepted) - Box 10". At the bottom, "Purpose in Formulation - Box 15" is set to "Towelette". A red box highlights the "Save Component" button, and a "Cancel" button is also visible.

Exhibit 5-16: ‘Add Component’ Pop-Up – Towelette Component

Navigation: Enter data in all required fields and select the ‘Save Component’ button.

5.4.2 Bulk Upload Components

The eCSF application allows a user to upload many component entries into an eCSF XML file using a Microsoft Excel spreadsheet template file. This allows for the easy population of component entries when a registrant uses a regular set across products, eCSF XML files, etc. The application applies all applicable validations regardless of whether component data is bulk uploaded or manually entered.

Note: The template file does occasionally change when application features are added or updated. All efforts to ensure backward compatibility are made, but a user should check that their template file matches the current template file prior to upload.

Exhibit 5-17 shows a screen capture of how to download the bulk upload template file from the ‘Components’ screen:

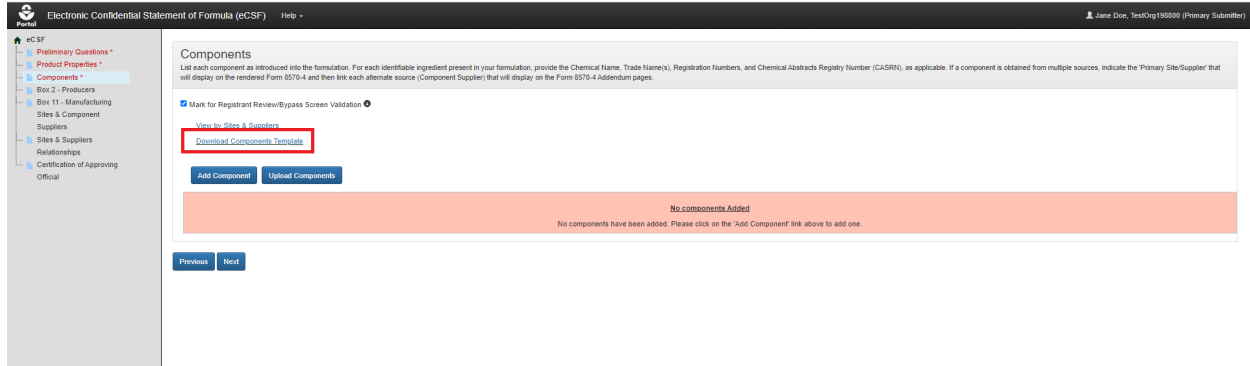


Exhibit 5-17: ‘Components’ Screen – Template Download

Navigation: Select the ‘Download Components Template’ link to save and work on the template on a local machine.

Exhibit 5-18 shows a screen capture of how to initiate the bulk upload on the ‘Components’ screen:

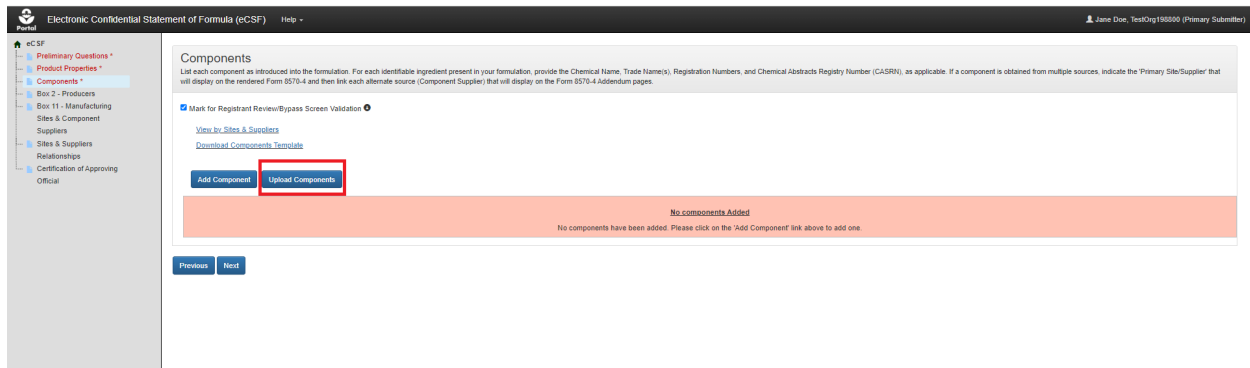


Exhibit 5-18: ‘Components’ Screen – Initiate Template Upload

Navigation: Select the ‘Upload Components Template’ button to launch the upload pop-up.

Exhibit 5-19 shows a screen capture of how to upload a ‘Components’ template in the pop-up:

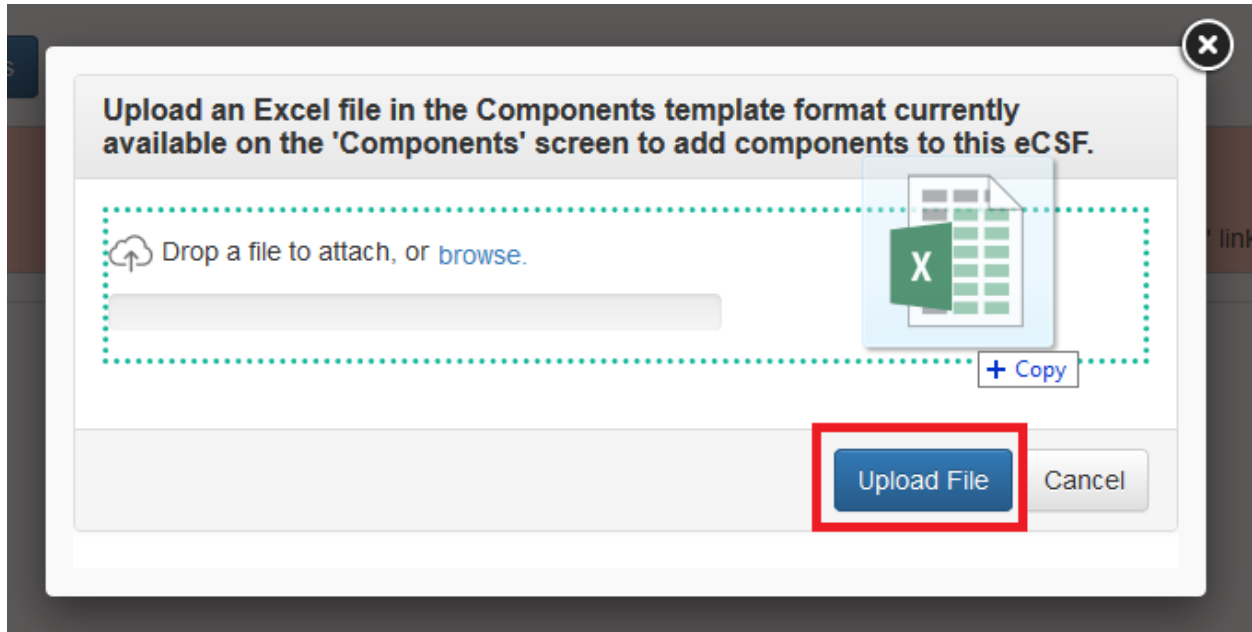


Exhibit 5-19: 'Upload Template' Pop-Up

Navigation: Select the ‘browse’ link to search the local machine for a file or drag and drop the file onto the pop-up to initiate upload. Next, wait for the file name to display (upload processing is incomplete until the file name displays) and then select the ‘Upload File’ button.

Exhibit 5-20 shows a screen capture the ‘Components’ screen following a successful bulk upload:

The screenshot shows the 'Components' screen in the eCSF application. The page title is 'Electronic Confidential Statement of Formula (eCSF)'. The main content area is titled 'Components' and contains a table of component entries. The table has columns for Row#, Type, Common Name, Chemical Name, Amount, %w/w (% Nominal), and Actions. The 'Next' button is highlighted with a red box.

Row#	Type	Common Name	Chemical Name	Amount	%w/w (% Nominal)	Actions
1634601995201			true	0	0	Manage Relationships / Edit / Delete
1634602001220			false	0	0	Manage Relationships / Edit / Delete
3	Active		[Didecyl dimethyl ammonium chloride, ...	1	20	Manage Relationships / Edit / Delete
4	Active (Alternate)		[Didecyl dimethyl ammonium chloride, ...	1	20	Manage Relationships / Edit / Delete
7	Dye		Orange flower water absolute	5	5	Manage Relationships / Edit / Delete
9	Fertilizer		tea	10	10 (g/kg)	Manage Relationships / Edit / Delete
8	Fragrance		rose	5	5 (g/kg)	Manage Relationships / Edit / Delete
6	Impurity		Methocaine	0	0	Delete / Edit
5	Inert	Water	Water	20	20	Manage Relationships / Edit / Delete
1	Towellette	Towel	Towel 1	0	0	Delete
Total Weight - Box 17 -				41	60	- Total %w/w

Exhibit 5-20: 'Components' Screen – Upload Complete

Navigation: Select the 'Next' button to navigate away from the screen when all necessary component entries are complete.

5.4.3 Chemical Identity Searches

The eCSF application provides chemical identity searches for unregistered 'Active' components as well as 'Inert' components. Using the search functionality within the 'Add Component' pop-up ensures that chemical identities are correct and that chemical tags are properly applied (e.g., for commodity 'Inert' components).

When a user chooses to manually enter or alter a chemical identity search result, the application flags the component as having an overridden chemical name, with a required text field to provide reasoning.

Exhibit 5-21 shows a screen capture of the chemical identity search in the 'Add Component' pop-up:

The screenshot shows the 'Add Component' pop-up with the 'Search Inert Data' section. The search criteria are set to 'CASRN' and 'Contains'. The search results are empty, displaying 'No Search Results' and 'There are no search results.' The 'Next' button is visible at the bottom right.

Exhibit 5-21: 'Add Component' Pop-Up – Chemical Identity Search

Navigation: Select a search criterion (e.g., 'CASRN') from the drop-down menu, select a search qualifier from the next drop-down menu (e.g., 'Exactly'), enter a search term, and finally select the 'Search' button.

Exhibit 5-22 shows a screen capture of chemical identity search results in the 'Add Component' pop-up:

The screenshot shows a search interface with the following elements:

- Search Inert Data** header.
- Search criteria: **Chemical Name** (dropdown), **Contains** (dropdown), and **water** (text input).
- Search** button.
- Results display: **Show 10 entries** (dropdown).
- Table with columns: **Chemical Name (CAS)**, **CAS Number**, and **Use Type**.
- Table content:

Chemical Name (CAS)	CAS Number	Use Type
Bitter hawkesbury watermelon juice concentrate		Food/Non-Food Use
Red cabbage color, expressed from edible red cabbage heads via a pressing process using only acidified water		Food/Non-Food Use
Water	7732-18-5	Food/Non-Food Use
- Footer: **Showing 1 to 3 of 3 entries**, **Previous**, **1**, **Next** buttons.

Exhibit 5-22: 'Add Component' Pop-Up – Chemical Identity Search Results

Navigation: Review the complete list of search results to identify the desired chemical. Update the display of the search results table by changing the number of displayed results and navigating through results pages as needed. After locating the desired chemical, select the link from the first column of the table to populate the selected chemical identity data into the 'Add Component' pop-up.5.5 Box 2 – Producers and Product Repackaging Site Screens

The screen that populates Boxes 2 and 6 on 'EPA Form 8570-4 – Confidential Statement of Formula' (as well as associated addendum pages) displays as either 'Box 2 – Producers' for non-repackaged products, or 'Box 2 – Product Repackaging Site' for repackaged (repack) products.

This screen allows a user to specify the name and physical address of the company producing (mixing, blending, or diluting) a product, a company contact for production-related questions, and/or the facility where a product was last packaged.

The following items display on the 'Box 2 – Producers and Product Repackaging Site' screen:

- **Mark for Registrant Review/Bypass Screen Validation (checkbox):** Check this checkbox to bypass on-screen validation. When a user marks a screen for review, the navigation tree displays its title link text in red with an asterisk to indicate the screen requires future attention.

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- **Download Producers Template (link):** Click this link to download the latest version of the ‘Producers’ template to a local machine.
 - **Download All Producers (link):** Click this link to download a Microsoft Excel file containing all the entries in the displayed table. Once a Producer is added, the link will appear on screen.
 - **On-screen Validation Errors:** The application performs on-screen validations to ensure that underlying ‘Box 2’ data is complete and accurate. Error messages display to the right of the screen’s action buttons and provide reference to specific producer entries that fail validation. When a generic error message displays, access the ‘Add Producer’ pop-up via the ‘Edit’ link in the ‘Actions’ column to view and resolve the specific error.
 - **Add Producer or Product Repackaging Site (button):** Select this button to initiate the individual entry process. Refer to **Section 5.4.1** for detailed instructions on how to enter individual ‘Box 2’ entries.
 - **Upload Producers or Product Repackaging Sites (button):** Select this button to initiate the bulk upload process. Refer to **Section 5.4.1.1** for detailed instructions on how to bulk ‘Box 2’ entries.
 - **Delete Producers or Product Repackaging Sites (button):** Select this button to remove all entries listed on the screen.
 - **Pagination:** The pagination feature updates the table view to display 10, 25, 50, or 100 entries and displays the number of pages at the bottom right of the table.
 - **Search:** The search function updates the table view to display only those entries for which the entered string is present.
 - **Primary Production Site (table column):** Indicate the entry that should display in ‘Box 2’ on the first page of the rendered PDF. This field is required.
 - **Entry Type (table column):** Displays the Box 2 entry type (i.e., ‘Production Site’ or ‘Company Contact for Production Related Questions’.)
 - **Production Site Name (table column):** Displays the production site name for the listed entry, if applicable.
 - **Contact Name (table column):** Displays the name of the entered company contact, if applicable.
 - **Establishment Number (table column):** Displays the establishment number for the listed entry, if applicable.
 - **Address (table column):** Displays the first address line for the listed entry.
 - **City (table column):** Displays the city for the listed entry.
 - **Country (table column):** Displays the country for the listed entry.
 - **State (table column):** Displays the state for the listed entry.
 - **Zip (table column):** Displays the ZIP Code for the listed entry.

- **Actions (table column):** Select the ‘Edit’ link to launch the ‘Add Box 2 Entry’ pop-up to make changes to the listed entry. Select the ‘Delete’ link to remove the entry from the eCSF XML file.

Exhibit 5-23 shows a screen capture of the ‘Box 2 – Producers’ screen:

Exhibit 5-23: ‘Box 2 – Producers’ Screen

Navigation: To add producers, select the ‘Add Producer’ button to make an individual entry or select the ‘Upload Producers’ button to upload a file containing multiple entries. Refer to **Section 5.4.1** for information regarding individual entry and **Section 5.4.1.1** for information regarding bulk upload.

Exhibit 5-24 shows a screen capture the ‘Box 2 – Producers/Product Repackaging Site’ screen following a successful manual entry:

The screenshot shows the 'Box 2 - Producers' screen. The main content area includes instructions for entering product types and technical sources. Below the instructions are buttons for 'Add Another Producer', 'Upload Producers', and 'Remove All Producers'. A table titled 'All Producers' contains one entry with the following details:

Primary Production Site	Entry Type	Production Site Name	Contact Name	Establishment No.	Address	City	Country	State	Zip	Actions
<input checked="" type="radio"/>	Production Site	Test		1	1 Main Street	Fairfax	UNITED STATES	Virginia	12345	Edit / Remove

At the bottom of the screen, there are 'Previous' and 'Next' buttons. The 'Next' button is highlighted with a red box.

Exhibit 5-24: ‘Box 2 – Producers/Product Repackaging Site’ Screen – Entry Saved

Navigation: Select the radio button for the ‘Box 2’ entry to mark an entry as the primary producer, which will display on the main section of ‘EPA Form 8570-4 – Confidential Statement of Formula’ (all other entries display on addendum pages). Click the ‘Next’ button to navigate to the next screen.

5.5.1 Individual Box 2 Entries

The ‘Add Box 2 Entry’ pop-up allows a user to manually enter data that renders in ‘Box 2’ of ‘EPA Form 8570-4 – Confidential Statement of Formula’ and is accessed by selecting either the ‘Add Producer/Repackaging Site’ button or ‘Edit’ link on the ‘Box 2 – Producers and Product Repackaging Site’ screen. The following instructional text displays on the Box 2 screen for additional guidance:

For the following product types, specify the site name and physical address where the product is manufactured and packaged. If packaged elsewhere, specify the address of the final packaging site:

- **All Technical products**
 - Important: For Technical products, alternate CSFs are required when the impurities differ from the basic CSF or other alternate CSFs.
- **Manufacturing Use Products (MUPs) with unregistered technical sources**
 - Important: For MUPs with unregistered technical sources, the manufacturing site of the technical source must appear in Box 11.
- **End Use Products (EUPs) with unregistered technical sources**
 - Important: Box 2 must contain the address where the product is formulated. For EUPs with unregistered technical sources, the manufacturing site of the technical source must appear in Box 11.

For the following product types, specify either (1) the name of the physical address of the company producing (mixing, blending, or diluting/formulating) the product and/or the facility where the product was last packaged, OR (2) the appropriate company contact (contact's name/title, address, and phone number) for production-related questions:

- **MUPs with registered technical sources**
- **EUPs with registered technical sources**

Note: 'Basic Formulation' files and those containing a 'Company Contact for Production Related Questions' may only have a single entry on this screen.

5.5.1.1 Box 2 - Add Production Site

The following fields display in the 'Add Box 2 Entry' pop-up for a 'Production Site' entry:

- **Box 2 Entry Type:** Indicate the type of 'Box 2' entry for which data will be entered in the pop-up. This field is required.
- **Primary Production Site:** Select whether the production site is the primary for the eCSF XML file. Selecting 'Yes' for this field and saving the pop-up will remove the primary designation from any other saved 'Box 2' entry. The primary designation has no significance other than to indicate which entry renders on the first page of the PDF. Refer to **Section 5.4.3** for additional information about viewing 'Box 2' entries on a rendered PDF. This field displays when 'Box 2 Entry Type' is 'Production Site' and is required when displayed.
- **Production Site Name:** Enter the company/organization name for the production site. This field displays when 'Box 2 Entry Type' is 'Production Site' and is required when displayed.
- **Establishment Number:** Enter the 'EPA Establishment Number' for the production site.
- **Address:** Enter the first address line for the production site. This field is required.
- **Address Cont.:** Enter the second address line for the production site. This field does not display when 'Box 6 - Country Where Formulated' is not 'UNITED STATES.'

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- **City:** Enter the city for the production site. This field does not display when 'Box 6 - Country Where Formulated' is not 'UNITED STATES.' This field is required when displayed.
 - **State:** Select the state for the production site. This field does not display when 'Box 6 - Country Where Formulated' is not 'UNITED STATES.' This field is required when displayed.
 - **Postal or ZIP Code:** Enter the Postal or ZIP Code for the production site. This field does not display when 'Box 6 - Country Where Formulated' is not 'UNITED STATES.' This field is required when displayed.
 - **Box 6 – Country Where Formulated:** Select the country for the production site. This field will also be used to populate Box 6 for the entry. This field displays when 'Box 2 Entry Type' is 'Production Site' and is required when displayed.
 - **Is this a relabeling only facility?:** Indicate whether the production site is a relabeling only facility. This field only displays when 'EPA Formulation – Box A' is 'Alternate Formulation' on the 'Preliminary Questions' screen, 'What is the product type?' is 'Technical' on the 'Preliminary Questions' screen, 'Box 2 Entry Type' is 'Production Site,' and 'Primary Production Site' is 'No.' This field is required when displayed.
 - **Is CSF Approval Pending?:** Indicate whether the CSF approval is pending. This field only displays when 'EPA Formulation – Box A' is 'Alternate Formulation' on the 'Preliminary Questions' screen, 'What is the product type?' is 'Technical' on the 'Preliminary Questions' screen, 'Box 2 Entry Type' is 'Production Site,' and 'Primary Production Site' is 'No.' This field is required when displayed.
 - **Date site first appeared on CSF:** Enter or select the date on which the production site first appeared on a CSF for the product. This field only displays when 'EPA Formulation – Box A' is 'Alternate Formulation' on the 'Preliminary Questions' screen, 'What is the product type?' is 'Technical' on the 'Preliminary Questions' screen, 'Box 2 Entry Type' is 'Production Site,' and 'Primary Production Site' is 'No.' This field is required when displayed.
 - **Date of EPA letter approving the CSF:** Enter or select the date of EPA's letter approving the CSF for the product. This field only displays when 'EPA Formulation – Box A' is 'Alternate Formulation' on the 'Preliminary Questions' screen, 'What is the product type?' is 'Technical' on the 'Preliminary Questions' screen, 'Box 2 Entry Type' is 'Production Site,' and 'Primary Production Site' is 'No.' This field is required when displayed. This field displays as 'Not Applicable' when 'Is CSF Approval Pending?' is 'Yes,' but is otherwise required when displayed.
 - **Date of EPA review accepting the supporting data:** Enter or select the date EPA accepted supporting data for the product. This field only displays when 'EPA Formulation – Box A' is 'Alternate Formulation' on the 'Preliminary Questions' screen, 'What is the product type?' is 'Technical' on the 'Preliminary Questions' screen, 'Box 2 Entry Type' is 'Production Site,' and 'Primary Production Site' is 'No.' This field is required when displayed. This field displays as 'Not Applicable' when 'Is CSF Approval Pending?' is 'Yes,' but is otherwise required when displayed.

- **Supporting Data MRID number(s):** Enter the Master Record Identifier (MRID) number(s) for the documents that contain supporting data for the production site. This field only displays when ‘EPA Formulation – Box A’ is ‘Alternate Formulation’ on the ‘Preliminary Questions’ screen, ‘What is the product type?’ is ‘Technical’ on the ‘Preliminary Questions’ screen, ‘Box 2 Entry Type’ is ‘Production Site,’ and ‘Primary Production Site’ is ‘No.’ This field displays as ‘This is a relabeling only facility, no chemical reaction production or manufacturing.’ when ‘Is this a relabeling only facility?’ is ‘Yes,’ but is otherwise required when displayed.

Exhibit 5-25 shows a screen capture of the ‘Add Box 2 Entry’ pop-up for a non-primary ‘Production Site’ entry in a technical product:

Exhibit 5-25: ‘Add Box 2 Entry’ Pop-Up - ‘Production Site’ View

Navigation: Enter data in all required fields and click the ‘Save’ button.

5.5.1.2 Add a Company Contact for Production Related Questions

The following fields display when the Box 2 Entry Type is set to ‘Company Contact for Production Related Questions’:

- **Contact Name:** Enter a contact name for an individual able to answer production related questions for the product. This field is required when displayed.
- **Contact Title:** Enter a title for an individual able to answer production related questions for the product. This field is required when displayed.
- **Phone Number (digits only):** Enter a phone number for an individual able to answer production related questions for the product. This field is required when displayed.
- **Address:** Enter the first address line for an individual able to answer production related questions for the product. This field is required.
- **Address Cont.:** Enter the second address line for an individual able to answer production related questions for the product.

- **City:** Enter the city for an individual able to answer production related questions for the product. This field is required.
- **State:** Select the state for an individual able to answer production related questions for the product. This field is required.
- **Postal or ZIP Code:** Enter the Postal or ZIP Code for an individual able to answer production related questions for the product. This field is required.
- **Country:** Fixed as 'UNITED STATES.' This field is required.
- **Box 6 - Country Where Formulated:** Select all applicable countries where the product is formulated. This field is required when displayed.

Exhibit 5-26 shows a screen capture of the 'Add Box 2 Entry' pop-up for a 'Company Contact for Production Related Questions' entry:

The screenshot displays a web form titled "Box 2 - Add Company Contact for Production Related Questions". At the top, there is a dropdown menu for "Box 2 Entry Type" set to "Company Contact for Production Related Questions". Below this is a red warning message: "Selecting this option will prevent unregistered active components from being included in the eCSF file. The production site address must be provided if unregistered active components are used in the product." The form contains several input fields: "Contact Name", "Contact Title", "Phone Number (digits only)", "Address", "Address Cont.", "State" (a dropdown menu showing "Please Select..."), "City", "Country" (a dropdown menu showing "UNITED STATES"), and "Postal or ZIP Code". Below these fields is a section titled "Box 6 - Country Where Formulated" with a dropdown menu for "Select All Countries Where Formulated" showing "Please Select..." and an adjacent empty text input field. At the bottom left, there are two buttons: "Save" (highlighted with a red box) and "Cancel".

Exhibit 5-26: 'Add Box 2 Entry' Pop-Up - 'Company Contact for Production Related Questions' View

Navigation: Enter data in all required fields and click the 'Save' button.

5.5.1.3 Add a Product Repackaging Site

- **Box 2 Entry Type:** Fixed as 'Production Site.' This field is required.
- **Primary Production Site:** Select whether the repackaging site is the primary for the eCSF XML file. Selecting 'Yes' for this field and saving the pop-up will remove the primary designation from any other saved 'Box 2' entry. The primary designation has no significance other than to indicate which entry renders on the first page of the PDF. Refer to **Section 5.4.3** for additional information about viewing 'Box 2' entries on a rendered PDF. This field displays when 'Box 2 Entry Type' is 'Production Site' and is required when displayed.
- **Product Repackaging Site Name:** Enter the company/organization name for the product-repackaging site. This field is required.
- **Establishment Number:** Enter the 'EPA Establishment Number' for the product-repackaging site.
- **Address:** Enter the first address line for the product-repackaging site. This field is required.
- **Address Cont.:** Enter the second address line for the product-repackaging site. This field does not display when 'Box 6 - Country Where Formulated' is not 'UNITED STATES.'
- **City:** Enter the city for the product-repackaging site. This field does not display when 'Box 6 - Country Where Formulated' is not 'UNITED STATES.' This field is required when displayed.
- **State:** Select the state for the product-repackaging site. This field does not display when 'Box 6 - Country Where Formulated' is not 'UNITED STATES.' This field is required when displayed.
- **Postal or ZIP Code:** Enter the Postal or ZIP Code for the product-repackaging site. This field does not display when 'Box 6 - Country Where Formulated' is not 'UNITED STATES.' This field is required when displayed.
- **Box 6 – Country Where Formulated:** Select the country for the product-repackaging site. This field will also be used to populate Box 6 for the entry. This field displays when 'Box 2 Entry Type' is 'Production Site' and is required when displayed.

Exhibit 5-27 shows a screen capture of the 'Add Box 2 Entry' pop-up for a 'Product Repackaging Site' entry:

Box 2 - Add Product Repackaging Site ⓘ

* **Box 2 Entry Type** ⓘ

* **Primary Production Site** ⓘ

Production Site Information

* Product Repackaging Site Name	<input type="text"/>	* Establishment Number	<input type="text"/>
* Contact Name	<input type="text"/>	* Phone Number (digits only)	<input type="text"/>
* Address	<input type="text"/>	* Address Cont.	<input type="text"/>
* State	<input type="text" value="Please Select..."/>	* City	<input type="text"/>
* Box 6 - Country Where Formulated	<input type="text" value="UNITED STATES"/>	* Postal or ZIP Code	<input type="text"/>

Exhibit 5-27: 'Add Box 2 Entry' Pop-Up - 'Product Repackaging Site' View

Navigation: Enter data in all required fields and select the 'Save' button.

5.5.2 Bulk Upload Box 2 Entries

The eCSF application allows a user to enter many 'Box 2' entries into an eCSF XML file by uploading a Microsoft Excel spreadsheet template file. This allows for easy population of 'Box 2' entries when a registrant uses a regular set across products, eCSF XML files, etc. The application applies all applicable validations regardless of whether entries are bulk uploaded or individually entered.

Note: The template file does occasionally change when application features are added or updated. Although efforts are made to maintain backwards compatibility, a user should check that their template file matches the current template file prior to upload.

Exhibit 5-28 shows a screen capture of how to download the template file from the 'Box 2 – Producers/Product Repackaging Site' screen:

The screenshot shows the 'Box 2 - Producers' section of the eCSF portal. The left sidebar contains a navigation menu with 'Box 2 - Producers' selected. The main content area includes instructions for entering producer information, a checkbox for 'Mark for Registrant Review/Bypass Screen Validation', and a red-bordered box around the 'Download Producers Template' link. Below this are 'Add Producer' and 'Upload Producers' buttons. A table header for 'All Producers' is visible, but the table body is empty, displaying 'No matching Producers found'.

Exhibit 5-28: 'Box 2 – Producers/Product Repackaging Site' Screen – Template Download

Navigation: Select the 'Download Producers Template' link to save and work on template on a local machine.

Exhibit 5-29 shows a screen capture of how to initiate the bulk upload on the 'Box 2 – Producers/Product Repackaging Site' screen:

This screenshot is similar to Exhibit 5-28 but highlights the 'Upload Producers' button with a red box. The 'Download Producers Template' link is no longer highlighted. The rest of the interface, including the instructions and the empty table, remains the same.

Exhibit 5-29: 'Box 2 – Producers/Product Repackaging Site' Screen – Initiate Template Upload

Navigation: Select the 'Upload Producers Template' button to launch the upload pop-up.

Exhibit 5-30 shows a screen capture of how to upload a 'Box 2' template in the pop-up:

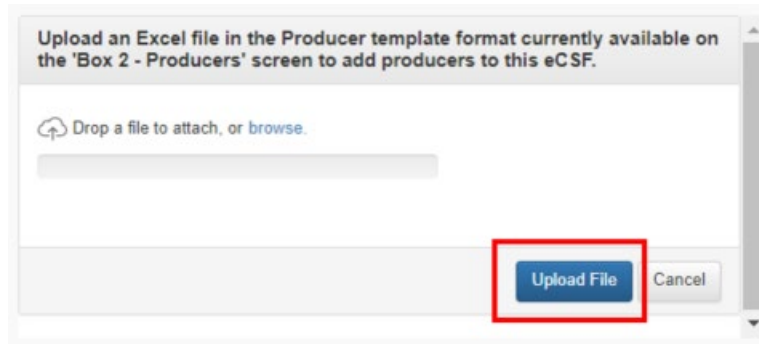


Exhibit 5-30: 'Upload Template' Pop-Up

Navigation: Select the 'browse' link to search the local machine for a file or drag and drop the file onto the pop-up to initiate upload. Next, wait for the file name to display (upload processing is incomplete until the file name displays) and then select the 'Upload File' button.

Exhibit 5-31 shows a screen capture the ‘Box 2 – Producers/Product Repackaging Site’ screen following a successful bulk upload:

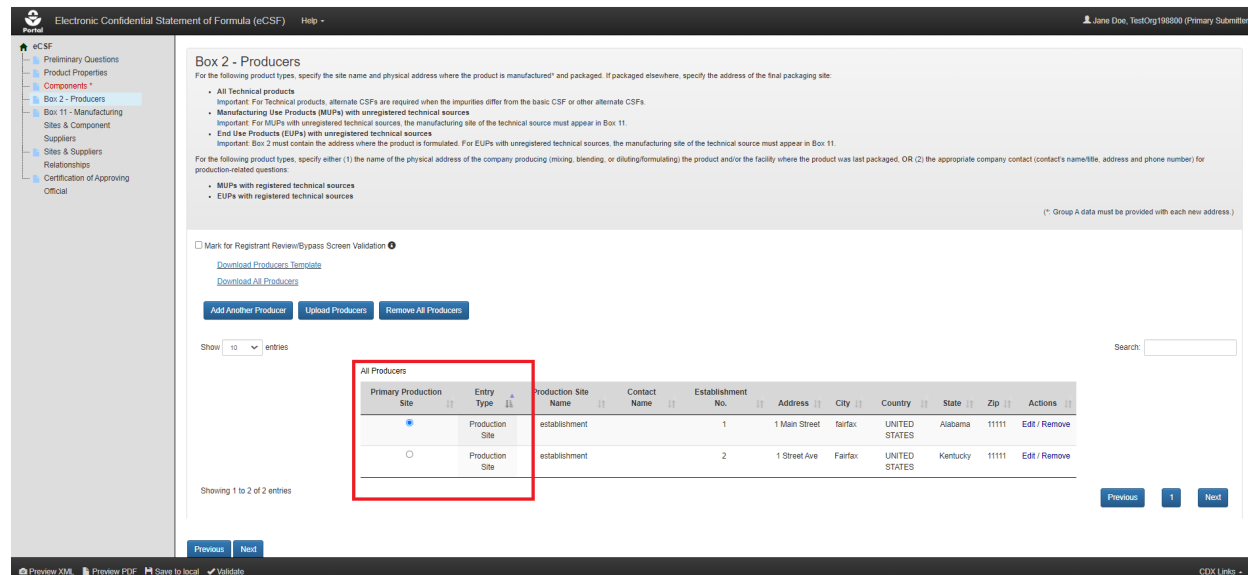


Exhibit 5-31: ‘Box 2 – Producers/Product Repackaging Site’ Screen – Upload Complete

Navigation: Select the radio button for the ‘Box 2’ entry that will be marked as the ‘Primary Producer’ and will display on the main section of ‘EPA Form 8570-4 – Confidential Statement of Formula’ (all other entries display on addendum pages) and then select the ‘Next’ button to navigate to the next screen.

5.5.3 View Box 2 Entries in Rendered Programs PDF

The eCSF application allows multiple ‘Box 2’ entries in ‘Alternate Formulation’ eCSF XML files. When there are multiple entries for ‘Box 2,’ the entry identified as the primary on the ‘Box 2 – Producers/Product Repackaging Site’ screen will display on the first page of the rendered PDF file, and its corresponding country will display in ‘Box 6.’ All other ‘Box 2’ entries display on addendum pages. The primary designation has no significance other than to indicate which entry displays on the first page.

Exhibit 5-32 shows the PDF rendering of a ‘Box 2’ entry marked as the primary:

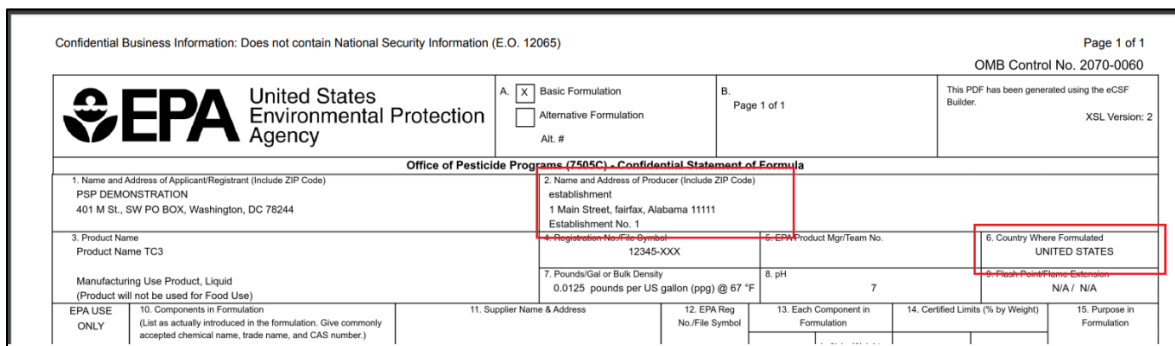


Exhibit 5-32: 'Box 2' Primary Producer PDF Rendering

Exhibit 5-33 shows the PDF rendering of 'Box 2' entries onto an addendum page:

Confidential Business Information: Does not contain National Security Information (E.O. 12065) Page 1 of 1
Attachments to EPA Memorandum
Confidential Business Information - TestOrg198800

ATTACHMENT (C)-ALTERNATE LIST
To
CONFIDENTIAL STATEMENT OF FORMULA [EPA Form 8570-4]
PESTICIDE END PRODUCT
EPA REGISTRATION NUMBER: 12345-XXX
Basic Alternate # 1

ADDITIONAL PRODUCERS LIST

Producer Name & Address	Country Where Formulated	EPA Establishment Number
Test Prod Site 2 123 main street Fairfax, Alabama 22222	UNITED STATES	2
establishment 456 Main Street Fairfax, Florida 22222	UNITED STATES	3

16. Typed Name of Approving Official	18. Signature of Approving Official	19. Title	21. Date
--------------------------------------	-------------------------------------	-----------	----------

Exhibit 5-33: 'Box 2' PDF Rendering of Addendum Page

Exhibit 5-34 shows the PDF rendering of ‘Box 2’ entries for ‘Technical’ relabeling facilities in an addendum page:

Confidential Business Information: Does not contain National Security Information (E.O. 12065) Page 2 of 2
 Attachments to EPA Memorandum
 Confidential Business Information - 05/21/20 Company

ATTACHMENT (C)-ALTERNATE LIST
 To
 CONFIDENTIAL STATEMENT OF FORMULA (EPA Form 8570-4)
 PESTICIDE END PRODUCT
 EPA REGISTRATION NUMBER:
 Basic Alternate #


ADDITIONAL PRODUCERS LIST

Name and Address of Additional Producer(s)	EPA Establishment Number	Date on CSF on which the manufacturing site first appears(ed)	Date of EPA letter approving the CSF (and, therefore, the manufacturing site)	MRID number(s) of supporting data (e.g., representative batch analysis)	Date of EPA review accepting the supporting data
Producer 3 3 Any Street Suite 3 Any Town 3, Massachusetts 11113 UNITED STATES John Doe 3 1111111113	98765-MA-1	03/04/2021	05/11/2021	This is a relabeling only facility, no chemical reaction production or manufacturing	05/11/2021

Exhibit 5-34: ‘Box 2’ PDF Rendering of Addendum Page for Relabeling Facilities

Exhibit 5-35 shows the PDF rendering of ‘Box 2’ for a ‘Company Contact for Production Related Questions’ entry:

Confidential Business Information: Does not contain National Security Information (E.O. 12065) Page 1 of 1
 OMB Control No. 2070-0060



United States Environmental Protection Agency

A. Basic Formulation
 Alternative Formulation
 Alt. #

B. Page 1 of 1

This PDF has been generated using the eCSF Builder.
 XSL Version: 2

Office of Pesticide Programs (7505C) - Confidential Statement of Formula

1. Name and Address of Applicant/Registrant (Include ZIP Code) TestOrg198800 123 st 333, anik, AK 70518		2. Name and Address of Producer (Include ZIP Code) Company Contact for Production-Related Questions Jane Doe Chemist 5555555 1 Main Street Fairfax, Alaska 22222 UNITED STATES		6. Country Where Formulated BAHRAIN	
3. Product Name Manufacturing Use Product		4. Registration No./File Symbol 12345-XXX	5. EPA Product Mgr/Team No.	9. Flash Point/Flame Extension N/A / N/A	
10. Components in Formulation		11. Supplier Name & Address	12. EPA Reg	13. Each Component in	15. Purpose in

Exhibit 5-35: ‘Box 2’ PDF Rendering of ‘Company Contact for Production Related Questions’

5.6 ‘Box 11 – Manufacturing Sites & Component Suppliers’ Screen

The ‘Box 11 – Manufacturing Sites & Component Suppliers’ screen gathers data about the manufacturing sites and component suppliers for the components included in an eCSF XML file. The application renders this data in ‘Box 11’ on the main form or on addendum pages in specific situations.

Note: This screen does not display when ‘Is this product a 100% Repack?’ is ‘Yes’ and/or ‘What is the product type?’ is ‘Technical’ on the ‘Preliminary Questions’ screen.

The following fields display on the ‘Box 11 – Manufacturing Sites & Component Suppliers’ screen:

- **Mark for Registrant Review/Bypass Screen Validation:** Check this checkbox to bypass on-screen validation. When a user marks a screen for review, the navigation tree displays its title link text in red with an asterisk to indicate the screen requires future attention.

-
- **View by Components (link):** Click this link to navigate to the ‘Components’ screen.
 - **Download Sites & Suppliers Template (link):** Click this link to download the latest version of the ‘Sites & Suppliers’ template to a local machine.
 - **Download All Sites & Suppliers (link):** Click this link to download a Microsoft Excel file containing all of the entries in the displayed table.
 - **On-screen Validation Errors:** The application performs on-screen validations to ensure that underlying site/supplier data is complete and accurate. Error messages display to the right of the screen’s action buttons and provide reference to specific site or supplier entries that fail validation. When a generic error message displays, access the ‘Add Site/Supplier’ pop-up via the ‘Edit’ link in the ‘Actions’ column to view and resolve the specific error.
 - **Add Site or Supplier (button):** Click this button to initiate the manual site or supplier entry process. Refer to **Section 5.5.1** for detailed instructions on how to manually enter a site or supplier.
 - **Upload Sites & Suppliers (button):** Click this button to initiate the bulk upload process for sites and suppliers. Refer to **Section 5.5.2** for detailed instructions on how bulk upload sites and suppliers.
 - **Delete All Sites & Suppliers (button):** Click this button to remove all sites and suppliers listed on the screen. This will completely remove all sites and suppliers from the eCSF XML file and sever all component relationships.
 - **Table Filters:** Click these tabs to toggle the table view of all sites and suppliers, only manufacturing sites, or only component suppliers.
 - **Pagination:** The pagination feature updates the table view to display 10, 25, 50, or 100 entries and displays the number of pages at the bottom right of the table.
 - **Search:** The search function updates the table view to display only those entries for which the entered string is present.
 - **Type (table column):** Displays either ‘Manufacturing Site’ or ‘Component Supplier’ for the listed entry.
 - **Name (table column):** Displays the organization name for the listed entry.
 - **Address (table column):** Displays the first address line for the listed entry.
 - **City (table column):** Displays the city for the listed entry.
 - **State (table column):** Displays the state for the listed entry.
 - **Zip (table column):** Displays the ZIP Code for the listed entry.
 - **Actions (table column):** Click the ‘Edit’ link to launch the ‘Add Site or Supplier’ pop-up to make changes to the listed entry. Click the ‘Delete’ link to remove the entry from the eCSF XML and any associated relationships to components.

Exhibit 5-36 shows a screen capture of the ‘Box 11 – Manufacturing Sites & Component Suppliers’ screen:

The screenshot shows the 'Box 11 - Manufacturing Sites & Component Suppliers' screen in the eCSF application. The page title is 'Box 11 - Manufacturing Sites & Component Suppliers'. Below the title, there is a checkbox labeled 'Mark for Registrant Review/Bypass Screen Validation'. There are two buttons: 'Add Site or Supplier' and 'Upload Sites & Suppliers'. A message at the bottom of the main content area reads: 'No Sites or Suppliers Added. No Sites or Suppliers have been added. Please click on the 'Add Site or Supplier' link above to add one.' At the bottom of the page, there are 'Previous' and 'Next' navigation buttons.

Exhibit 5-36: 'Box 11 – Manufacturing Sites & Component Suppliers' Screen

Navigation: To add manufacturing sites and component suppliers, click the 'Add Site or Supplier' button to make a single entry or click the 'Upload Producers' button to upload a file containing multiple entries. Refer to **Section 5.5.1** for information regarding manual entry and **Section 5.5.2** for information regarding bulk upload. Click the 'Next' button to navigate away from the screen when all necessary 'Box 11' entries are complete.

5.6.1 Manually Add a Manufacturing Site or Component Supplier

The 'Add Site or Supplier' pop-up allows a user to manually enter data to be rendered in 'Box 11' of 'EPA Form 8570-4 – Confidential Statement of Formula' and is accessed by selecting either the 'Add Site or Supplier' button or the 'Edit' link on the 'Box 11 – Manufacturing Sites & Component Suppliers' screen.

The following fields display in the 'Add Site or Supplier' pop-up:

- **Supplier Type:** Select 'Manufacturing Site' to identify the location at which an unregistered Active Ingredient is produced. Select 'Component Supplier' to identify the supplier of a purchased component, including registered Active Ingredients. This field is required.
- **Site/Supplier Name:** Enter a name for the manufacturing site or component supplier. This field is required.
- **Address:** Enter the first address line for the manufacturing site or component supplier. This field is required when displayed.
- **Address Cont.:** Enter the second address line for the manufacturing site or component supplier. This field is required when displayed.
- **City:** Enter the city for the manufacturing site or component supplier address. This field is required when displayed.
- **State:** Select the state for the manufacturing site or component supplier address. This field is required when displayed.
- **Non-US Province:** Enter the province for the manufacturing site or component supplier address. This field is required when displayed.

- **Postal or ZIP Code:** Enter the postal or ZIP Code for the manufacturing site or component supplier address. This field is required when displayed.
- **Country:** Select the country for the manufacturing site or component supplier address. This field is required when displayed.
- **Address is N/A:** Check this checkbox to indicate that an address is not applicable for the manufacturing site or component supplier.
- **Reason Why Address is N/A:** Enter a reason why an address is not applicable for the manufacturing site or component supplier. This field displays when ‘Address is N/A’ is checked and is required when displayed.

Exhibit 5-37 shows a screen capture of how to initiate the manual entry process on the ‘Box 11 – Manufacturing Sites & Component Suppliers’ screen:

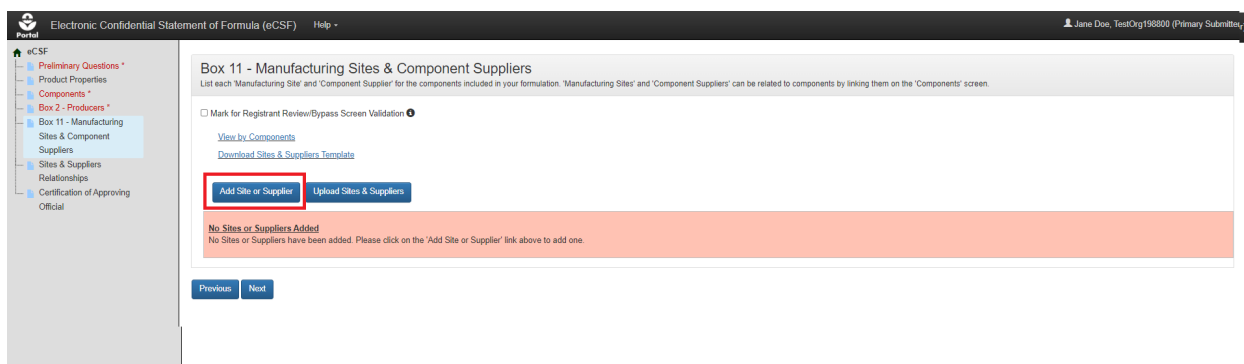


Exhibit 5-37: ‘Box 11 – Manufacturing Sites & Component Suppliers’ Screen – Manual Entry

Navigation: Click the ‘Add Site or Supplier’ button to launch the ‘Add Site or Supplier’ pop-up.

Exhibit 5-38 shows a screen capture of the ‘Add Site or Supplier’ pop-up:

Exhibit 5-38: ‘Add Site or Supplier’ Pop-Up

Navigation: Enter data in all required fields and click the ‘Save’ button.

Exhibit 5-39 shows a screen capture the ‘Box 11 – Manufacturing Sites & Component Suppliers’ screen following a successful manual entry:

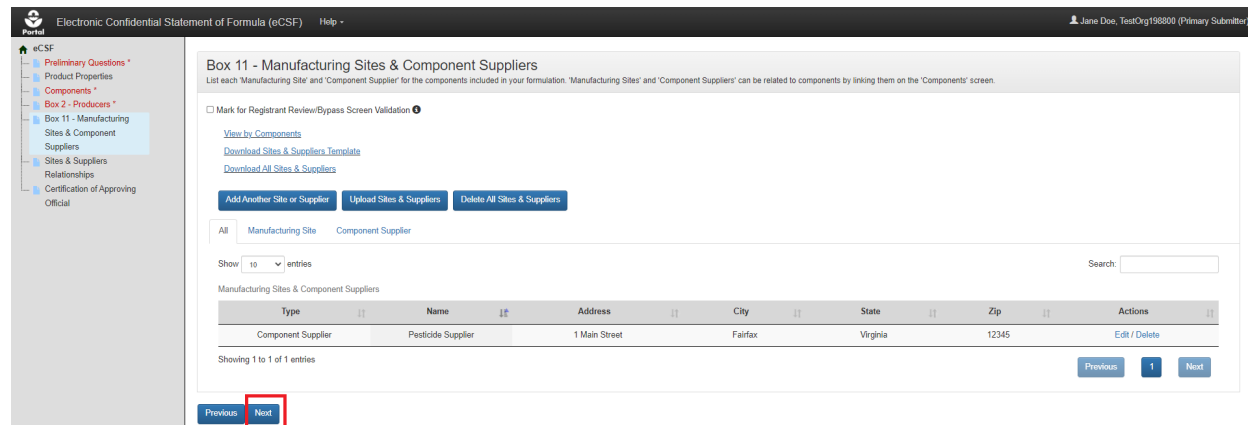


Exhibit 5-39: ‘Box 11 – Manufacturing Sites & Component Suppliers’ Screen – Entry Complete

Navigation: Select the ‘Next’ button to navigate away from the screen when all necessary ‘Box 11’ entries are complete.

5.6.2 Bulk Upload Manufacturing Sites and Component Suppliers

The eCSF application allows a user to upload many ‘Box 11’ entries into an eCSF XML file using a Microsoft Excel spreadsheet template file. This allows for easy population of ‘Box 11’ entries when a registrant uses a regular set across products, eCSF XML files, etc. The application applies all applicable validations regardless of whether data is bulk uploaded or manually entered.

Note: The template file does occasionally change when application features are added or updated. Although efforts are made to maintain backwards compatibility, a user should check that their template file matches the current template file prior to upload.

Exhibit 5-40 shows a screen capture of how to download the bulk upload template file from the ‘Box 11 – Manufacturing Sites & Component Suppliers’ screen:

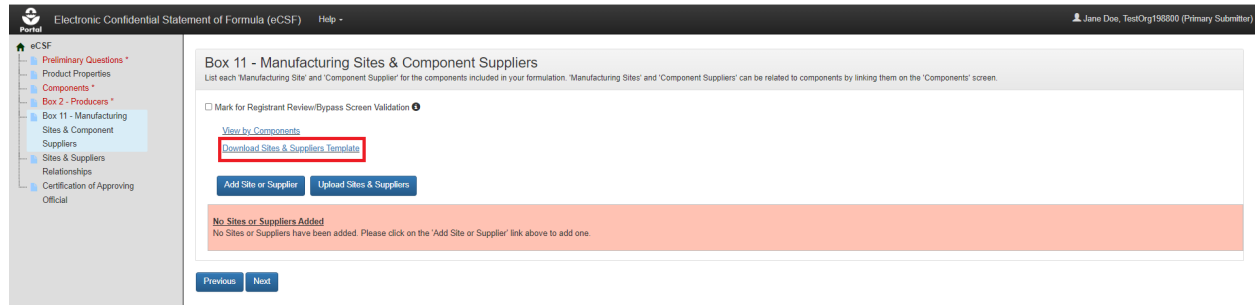


Exhibit 5-40: 'Box 11 – Manufacturing Sites & Component Suppliers' Screen – Template Download

Navigation: Click the 'Download Sites & Suppliers Template' link to save and work on the template on a local machine.

Exhibit 5-41 shows a screen capture of how to initiate the bulk upload on the 'Box 11 – Manufacturing Sites & Component Suppliers' screen:

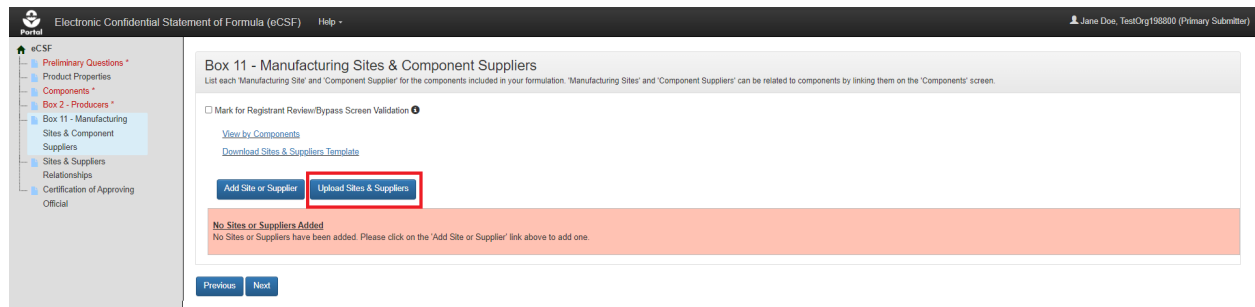


Exhibit 5-41: 'Box 11 – Manufacturing Sites & Component Suppliers' Screen – Initiate Template Upload

Navigation: Click the 'Upload Sites & Suppliers Template' button to launch the upload pop-up.

Exhibit 5-42: Shows a screen capture of how to upload a 'Box 11' template in the pop-up:

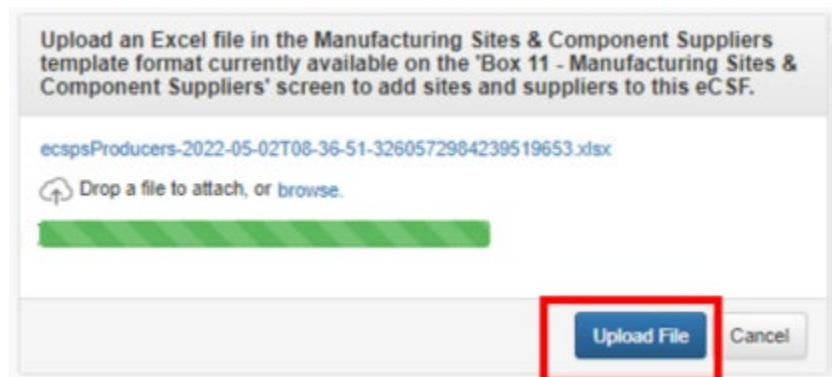


Exhibit 5-42: 'Upload Template' Pop-Up

Navigation: Click the 'browse' link to search your local machine for a file, or drag and drop the file onto the pop-up to initiate upload. Next, wait for the file name to display (upload processing is incomplete until the file name displays), and then click the 'Upload File' button.

Exhibit 5-43 shows a screen capture the 'Box 11 – Manufacturing Sites & Component Suppliers' screen following a successful bulk upload:

The screenshot displays the 'Box 11 - Manufacturing Sites & Component Suppliers' interface. It includes a sidebar with navigation options, a main content area with a table of entries, and a 'Next' button highlighted with a red box.

Type	Name	Address	City	State	Zip	Actions
Manufacturing Site	test	1 Main Street	Fairfax	Alabama	12345	Edit / Delete
Component Supplier	Test 1	2 Main Street	Raleigh	Arizona	12345	Edit / Delete

Exhibit 5-43: 'Box 11 – Manufacturing Sites & Component Suppliers' Screen – Upload Complete

Navigation: Click the 'Next' button to navigate away from the screen when all necessary 'Box 11' entries are complete.

5.6.3 Manage Site/Supplier Relationships and Component Trade Names

Components are required to have at least one manufacturing site and/or component supplier relationship. However, registrants should consider the following when relating components to manufacturing sites and component suppliers:

- Components in a basic formulation may only relate to a single site or supplier, which the application renders on the main form.
- When multiple components to site and supplier relationships exist in an alternate formulation, the application renders 'Box 11' data to addendum pages.
- Commodity inert components do not require a component to site and supplier relationship. In this instance, "Commodity Inert" prints in 'Box 11' of the form PDF rendering.
- The application enforces 'Supplier Type' to component rules via validations and disabled application functionality (e.g., registered Active components cannot be associated to manufacturing sites).
- Registrants cannot make component to manufacturing site and component supplier relationships using the bulk upload functionality.

- The application does not render orphaned (i.e., entries that are not associated to any component) manufacturing sites or component suppliers onto the form PDF rendering. However, the application does maintain these entries in the eCSF XML file.

In many cases, registrants may also want to relate trade names (e.g., brand names) to the components included in an eCSF XML file. Consider the following when adding trade names to a component:

- Components in a basic formulation may only have one trade name.
- Trade names may not be duplicated within the same component or across components within an eCSF XML file.
- The application uses EPA product registration data to automatically populate the trade name for registered, active components when they are added via the ‘Components’ pop-up. Automatically populated trade names cannot be altered and only one trade name is allowed in this instance.
- Inert components that are mixtures are required to have one, and only one, trade name.
- Water Soluble Packaging Material, Water Soluble Packaging Ink Type, and Towelette components require at least one trade name.
- Aside from the above referenced scenarios, a component may have up to 10 trade names.
- The application does not render orphaned (i.e., entries that are not associated to a site/supplier) trade names onto the form PDF rendering. However, the application does maintain these entries in the eCSF XML file.

Follow the below steps to both add trade names to a component and create relationships between a component and manufacturing sites or component suppliers.

5.7 Site and Supplier Relationships

Exhibit 5-44 shows a screen capture of how to initiate the process to add a trade name to a component and/or relate a component to a manufacturing site or component supplier on the ‘Sites & Suppliers Relationships’ screen:

Electronic Confidential Statement of Formula (eCSF) Help - Jane Doe, TestOrg198800 (Primary Submitter)

Sites & Suppliers Relationships
Manage relationships between Components and Sites/Suppliers, and associated trade names.

Mark for Registrant Review/Bypass Screen Validation

View by Sites & Suppliers

All Active Inert Impurity Dyes Fragrances Fertilizers Towelettes Water Soluble

Show 10 entries Search:

Row#	Type	Chemical Name	Action
4	Active	Ethanol	Manage Relationships
5	Active (Alternate)	Ethanol	Manage Relationships
3	Inert	Water	Manage Relationships

Showing 1 to 3 of 3 entries

Previous 1 Next

Exhibit 5-44: ‘Sites & Suppliers Relationships Screen’ Screen

Navigation: Select the ‘Manage Relationship’ link from the ‘Actions’ column for a component.

Exhibit 5-45 shows a screen capture of how to add and remove a trade name in the ‘Manage Box 11 & Trade Names’ pop-up:

Manage Box 11 & Trade Names

Chemical Name - Box 10
Orange flower water absolute

Component Type
Dye

Manage Relationships

Enter New Trade Name

(No values found)

Add Site/Supplier Relationship

Choose Site/Supplier
Test Supplier

Choose Trade Name(s)
(No values found)

+ Add Relationship

Show 10 entries Search:

Set as Primary Relationship	Site/Supplier	Trade Name	Action
No data available in table			

Showing 0 to 0 of 0 entries

Previous Next

Save Cancel

Exhibit 5-45: ‘Manage Box 11 & Trade Names’ Pop-Up – Add/Remove Trade Name(s)

Navigation: To add a new trade name, enter the trade name in the ‘Enter New Trade Name’ field and select the ‘+Add’ button. Newly created trade names display in the both the ‘Trade Name’ table and the ‘Add Site/Supplier Relationship’ field block. To remove a trade name, click the ‘Remove’ link corresponding to the trade name.

Exhibit 5-46 shows a screen capture of how to add a site/supplier relationship to a component in the ‘Manage Box 11 & Trade Names’ pop-up:

Manage Box 11 & Trade Names

Chemical Name - Box 10
Orange flower water absolute

Component Type
Dye

Manage Relationships

Enter New Trade Name

Test

Add Site/Supplier Relationship

Choose Site/Supplier
Test Supplier

Choose Trade Name(s)
Test

Show 10 entries Search:

Set as Primary Relationship	Site/Supplier	Trade Name	Action
<input checked="" type="radio"/> set as primary supplier	Test Supplier	Test	<input type="button" value="Remove"/>

Showing 1 to 1 of 1 entries

Exhibit 5-46: 'Manage Box 11 & Trade Names' Pop-Up – Add Site/Supplier Relationship

Navigation: Select a site/supplier name from the 'Choose Site/Supplier' table and then select the '+Add Relationship' button to populate the selection to the relationship table (adding a trade name to a site/supplier relationship is optional). Select the 'Set as Primary Relationship' radio button for a site/supplier to indicate that it should print to the main PDF form. Finally select the 'Save' button to save the relationship.

Important: Changes made in the 'Manage Box 11 & Trade Names' pop-up are not saved to the eCSF XML file until the 'Save' button is selected and the application navigates to the 'Components' screen.

Exhibit 5-47 shows a screen capture of how to add a site/supplier relationship with trade names to a component in the ‘Manage Box 11 & Trade Names’ pop-up:

Manage Box 11 & Trade Names

Chemical Name - Box 10: Formaldehyde
Component Type: Active

Manage Trade Names

Enter New Trade Name + Add

Trade Name 1 [Remove](#) Trade Name 3
Trade Name 2 [Remove](#) Trade Name 4 [Remove](#)

Add Site/Supplier Relationship

Choose Site/Supplier

- Domestic Manufacturing 1
- Domestic Manufacturing 2**
- Domestic Component Supply 1
- Domestic Component Supply 2
- Domestic Component Supply 3

Choose Trade Name(s)

- Trade Name 1
- Trade Name 2**

+ Add Relationship

Show 10 entries Search:

Set as Primary Relationship	Site/Supplier	Set as Primary Trade Name	Action
<input checked="" type="radio"/>	Domestic Manufacturing 1	<input checked="" type="radio"/> Trade Name 1 <input type="radio"/> Trade Name 2	Remove
<input type="radio"/>	Domestic Manufacturing 2	<input type="radio"/> Trade Name 3 <input type="radio"/> Trade Name 4	Remove

Showing 1 to 2 of 2 entries

Previous **1** Next

Save Cancel

Exhibit 5-47: ‘Manage Box 11 & Trade Names’ Pop-Up – Add Site/Supplier Relationship

Navigation: Select a site/supplier name from the ‘Choose Site/Supplier’ table, select trade names from the ‘Choose Trade Name(s)’ table, and then select the ‘+Add Relationship’ button to populate the selections to the relationship. Select the ‘Set as Primary Relationship’ radio button for a site/supplier and then select a corresponding ‘Set as Primary Trade Name’ radio button to indicate which site/supplier and trade name should print to the main PDF form. Finally select the ‘Save’ button to save the relationships.

Important: Changes made in the ‘Manage Box 11 & Trade Names’ pop-up are not saved to the eCSF XML file until the ‘Save’ button is selected and the application navigates to the ‘Components’ screen.

5.7.1 View Component to Site/Supplier Relationships in Rendered PDF

The eCSF application allows multiple component to manufacturing site or component supplier relationships in an alternate formulation. When there are multiple relationships, the entry identified as the primary on the ‘Components’ screen displays in ‘Box 11’ on the rendered PDF of ‘EPA Form 8570-4 – Confidential Statement of Formula.’ All other relationships and

‘Alternate Active’ components display on addendum pages. The primary designation has no significance other than to indicate which entry displays on the main form.

Exhibit 5-48 shows the PDF rendering of a component to primary site/supplier relationship:

Confidential Business Information: Does not contain National Security Information (E.O. 12065) Page 1 of 2
OMB Control No. 2070-0060

EPA United States Environmental Protection Agency A. Basic Formulation
 Alternative Formulation
Alt. # B. Page 1 of 2
This PDF has been generated using the eCSF Builder.
XSL Version: 2

Office of Pesticide Programs (7505C) - Confidential Statement of Formula

1. Name and Address of Applicant/Registrant (include ZIP Code) CGI TEST 222 FAKE ST, FAKESVILLE, VA 22222		2. Name and Address of Producer (include ZIP Code) PRODUCER 1100 SUPERIOR AVE E, SUITE 200 1100 SUPERIOR AVE E, SUITE 200, CLEVELAND, Connecticut 44114 Establishment No. 1				
3. Product Name Basic Product CSF End Use Product (EPI), Liquid (Product will not be used for Food Use)		4. Registration No./File Symbol 12345-XXX	5. EPA Product Mgr/Team No.	6. Country Where Formulated UNITED STATES		
EPA USE ONLY	10. Components in Formulation (List as actually introduced in the formulation. Give commonly accepted chemical name, trade name, and CAS number.)	11. Supplier Name & Address	12. EPA Reg No./File Symbol	13. Each Component in Formulation a. Amount b. % by Weight (% Nominal)	14. Certified Limits (% by Weight) a. Upper Limit b. Lower Limit	15. Purpose in Formulation
057501	Phosphorothioic acid, O,O-diethyl O-(4-nitrophenyl) ester Fake Basic Product 56-58-2 98.7%	Pesticide Supplier 123 Main Street Fairfax, New Hampshire 12345	12345-1	61.8 61.8 (60.9566)	63.654 (62.8265) 59.946 (59.1667)	Active Ingredient

Exhibit 5-48: Primary Site/Supplier Relationship PDF Rendering

Exhibit 5-49 shows the PDF rendering of a component to non-primary site/supplier relationship on an addendum page:

Confidential Business Information: Does not contain National Security Information (E.O. 12065) Page 2 of 2

Attachments to EPA Memorandum
Confidential Business Information - CDX TESTING COMPANY

CONFIDENTIAL BUSINESS INFORMATION
for EPA REGISTRATION NUMBER:
ATTACHMENT FOR ALTERNATE #

ADDITIONAL SUPPLIERS LIST FOR ACTIVE INGREDIENTS

Active Component (Box 10):	Chemical Name: 1,3,5-Triazine-2,4,6-triamine, N-cyclopropyl- CASRN: 66215-27-8			
% Purity (Box 13b):	97%			
EPA Use Only	#	EPA Registration Number(s) (Box 12)	Suppliers Name(s) and Address(es) (Box 11)	Trade Name(s)
	2	100-632	Domestic Component Supply 2 2 Test Street Suite 2 Any Town 2, California 11112, UNITED STATES	CYROMAZINE TECHNICAL

Exhibit 5-49: Non-Primary Site/Supplier Relationship PDF Rendering

5.8 ‘Certification of Approving Official’ Screen

The ‘Certification of Approving Official’ screen captures information for the Approving Official responsible for the contents of an eCSF file. EPA will contact the listed individual if any questions arise during the review of an eCSF file. A user can either populate contact information from their CDX account or manually complete the fields. The signature and certification block enables only after an entire eCSF file passes global validation. Refer to **Section 4.7.3** for additional information about global validation.

The following fields display on the ‘Certification of Approving Official’ screen:

- **Mark for Registrant Review/Bypass Screen Validation:** Check this checkbox to bypass on-screen validation. When a user marks a screen for review, the navigation tree displays its title link text in red with an asterisk to indicate the screen requires future attention.
- **Name – Box 16:** Enter the name of the Approving Official certifying the submitted eCSF XML file. This ‘Approving Official’ represents the product’s applicant/registrant, but does not necessarily have to be the same individual submitting via PSP (e.g., a chemist could

certify a form and an ‘Authorized Agent’ could submit via PSP). A user can populate this field from their CDX account by selecting the ‘Copy Information from CDX Profile’ link. This field is required.

- **Position Title – Box 19:** Enter the Approving Official’s title. This field is required.
- **Address:** Enter the first line of the Approving Official’s address. A user can populate this field from their CDX account by selecting the ‘Copy Information from CDX Profile’ link. This field is required.
- **Address Cont.:** Enter the second line of the Approving Official’s address. A user can populate this field from their CDX account by selecting the ‘Copy Information from CDX Profile’ link.
- **City:** Enter the city for the Approving Official’s address. A user can populate this field from their CDX account by selecting the ‘Copy Information from CDX Profile’ link. This field is required.
- **State:** Select the state for the Approving Official’s address. A user can populate this field from their CDX account by selecting the ‘Copy Information from CDX Profile’ link. This field is required.
- **Country:** Only a United States based Approving Official may certify an eCSF XML file and therefore this field is fixed as ‘United States.’
- **Zip Code:** Enter the ZIP Code for the Approving Official’s address. A user can populate this field from their CDX account by selecting the ‘Copy Information from CDX Profile’ link. This field is required.
- **Phone Number:** Enter the Approving Official’s phone number. A user can populate this field from their CDX account by selecting the ‘Copy Information from CDX Profile’ link. This field is required.
- **Fax Number:** Enter the Approving Official’s fax number.
- **Email Address:** Enter the Approving Official’s email address. A user can populate this field from their CDX account by selecting the ‘Copy Information from CDX Profile’ link. This field is required.

The following fields enable when the eCSF passes global validation:

- **I certify that all the information contained within this form is true and complete:** Check this box to certify to the validity and accuracy of data contained in the eCSF XML file. This field is required.
- **Signature – Box 18:** Type the Approving Official’s signature. When included in a PSP package, this field is used in conjunction with PSP’s ‘CROMMER eSignature Widget’ to provide a valid electronic signature. This field is required.
- **Date – Box 21:** Provide the date on which the Authorized Official added their signature to an eCSF XML file. This field is required.

Exhibit 5-50 shows a screen capture of the ‘Certification of Approving Official’ screen:

Electronic Confidential Statement of Formula (eCSF) Help - Jane Doe, TestOrg198800 (Primary Submitter)

Enter United States contact information for the Approving Official responsible for the contents of the eCSF file. EPA will contact the listed individual should any questions arise during the review of the eCSF file.

Mark for Registrant Review/Bypass Screen Validation ⓘ
[Copy Information from CDX Profile](#)

Name - Box 16 Jane Doe **City** ank

Position Title - Box 19 Chemist **State** Alaska

Address ⓘ 123 st **Country** United States

Address Cont. 333 **Zip Code** 70518

US Phone Number - Box 20 ⓘ (555) 555-5555 **Fax Number**

Email Address @cgifederal.com

I certify that all the information contained within this form is true and complete.

Signature - Box 18 ⓘ Jane Doe **Date - Box 21** 02/20/2024

Previous Validate

Preview XML Preview PDF Save to local Validate CDX Links

Exhibit 5-50: ‘Certification of Approving Official’ Screen

Navigation: Complete all required fields displayed on the screen, select the ‘Validate’ button to confirm that the entire eCSF XML file passes global validation, and finally select the ‘Save to local’ icon in the application footer to save the completed file to a local drive.

6 Including eCSF XML Files in a PSP Package Submission

The eCSF application allows a user to prepare electronic versions of ‘EPA Form 8570-4 – Confidential Statement of Formula’ for submission to EPA. Electronic submission provides efficiencies to both registrants and EPA reviewers due to faster file creation, review, and approval.

Note: The eCSF file type is available on the PSP ‘Documents for the Application’ screen for all application/regulatory types within a PSP registration package, except for Distributor Products and Gold Seal Letter Requests.

Exhibit 6-1 shows a screen capture of how to upload an eCSF file on the ‘Documents for the Application’ screen:

The screenshot displays the 'Documents for the Application' interface. At the top, it shows the user 'John Doe, CDX TESTING COMPANY (Primary Submitter)'. The main area contains a table for document entries, currently empty. Below the table, there are 'Save' and 'Cancel' buttons. The 'Package Name' is 'Sec3-New-000001'. The 'Application Name' is 'Sec3-New-000001'. The 'Document Type' is 'Form' and the 'Document Sub-Type' is '8570-4: eCSF'. The 'Document Upload' section shows a file named 'Test eCSF File.xml' has been uploaded. The 'Document Date' field has a calendar icon. The 'Document Group' field is empty. The 'Contains CBI?' field has radio buttons for 'Yes' and 'No', with 'No' selected. There is a 'Comment' text area. At the bottom, there is a 'Mark for Registrant Review' checkbox and 'Previous' and 'Submit' buttons. A footer bar contains 'Save', 'Preview', 'Validate', 'Submit', 'Provide Feedback', and 'CDX Links'.

Exhibit 6-1: ‘Documents for the Application’ Screen – Upload eCSF File

Navigation: Select the ‘Add’ button (not pictured), select ‘Form’ from the ‘Document Type’ drop-down menu, select ‘8570-4: eCSF’ from the ‘Document Sub-Type’ drop-down menu, upload an eCSF XML file, indicate whether the eCSF file contains CBI, and finally select the ‘Save’ button to save the file to the application.

The application performs a validation check on the uploaded eCSF XML file when a user selects the ‘Save’ button. If the file passes validation, a pop-up will display indicating that PSP is generating a PDF rendering of the eCSF XML file for inclusion in the submission.

Important: The rendered PDF becomes part of the official package submission and must be paired with an eCSF XML file. Therefore, it is imperative that a registrant reviews the contents of the rendered PDF before selecting the ‘OK’ button.

Exhibit 6-2 shows a screen capture of the ‘PDF Rendering’ pop-up for an uploaded eCSF file:

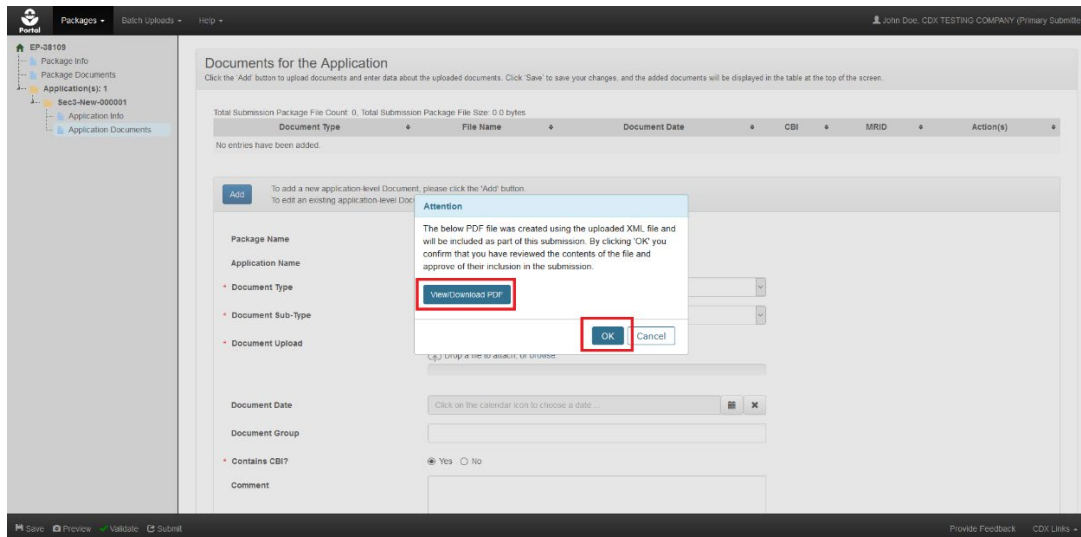


Exhibit 6-2: ‘Documents for the Application’ Screen – ‘PDF Rendering’ Pop-Up

Navigation: Select the ‘View/Download PDF’ button to view a PDF rendering of the uploaded eCSF XML file, review the PDF rendering for completeness and accuracy, and finally, only if the rendering is correct, select the ‘OK’ button.

Exhibit 6-3 shows a screen capture of the ‘Documents for the Application’ screen with a successfully uploaded eCSF XML file and PDF rendering:

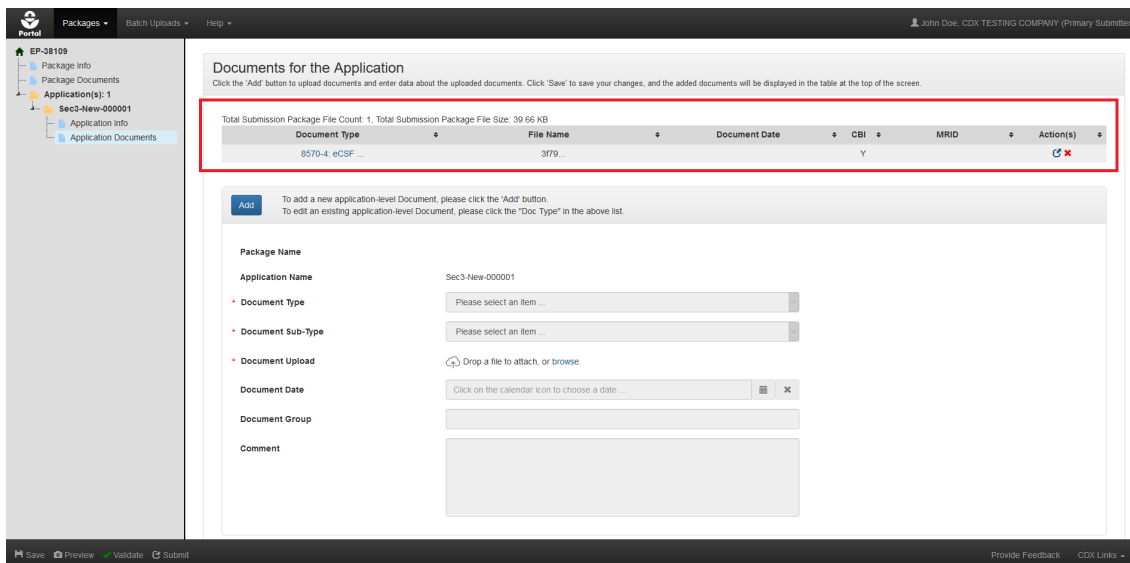


Exhibit 6-3: ‘Documents for the Application’ Screen – Successful Upload

Navigation: Select the ‘View/Download PDF’ button to view a PDF rendering of the uploaded eCSF XML file, review the PDF rendering for completeness and accuracy, and finally, only if the rendering is correct, select the ‘OK’ button.

If an uploaded eCSF XML file is determined to not be in the correct eCSF format and/or contain validation errors, it will not save to the documents table and a corresponding error message will display.

Exhibit 6-4 shows a screen capture of a validation error message for an uploaded eCSF file:

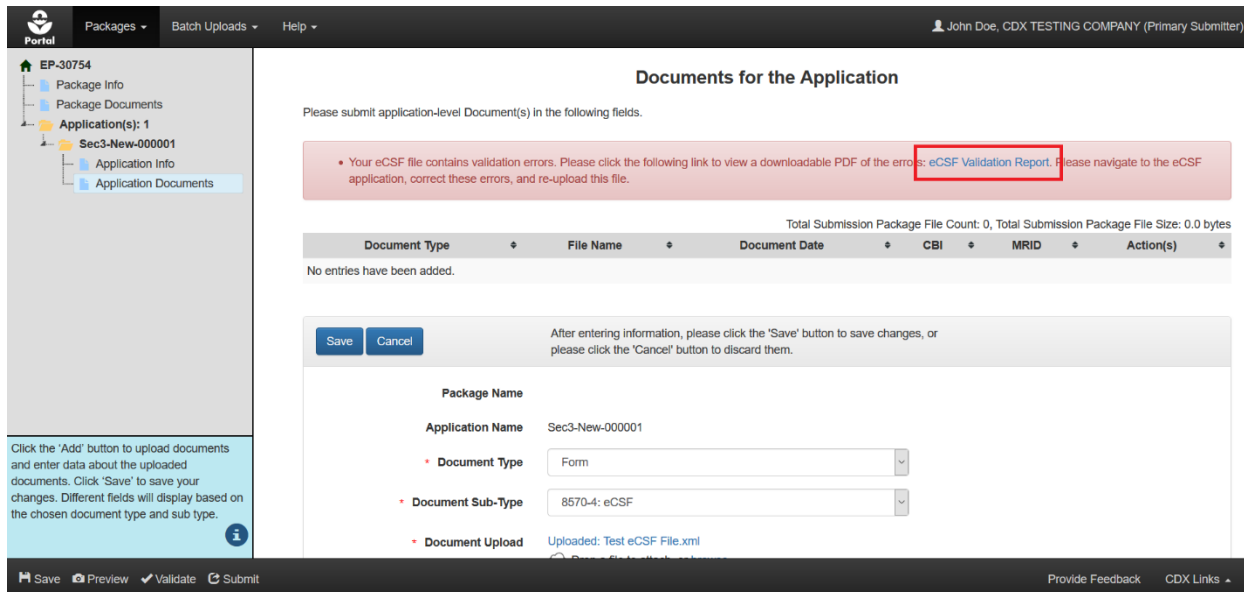


Exhibit 6-4: ‘Documents for the Application’ Screen – eCSF XML File Validation Error Report Link

Navigation: Select the ‘eCSF Validation Report’ link to access a report detailing the validation errors present within the uploaded eCSF file. A user cannot save an eCSF XML file to a package when it contains validation errors.

Exhibit 6-5 shows a screen capture of an eCSF Validation Report for an eCSF file:

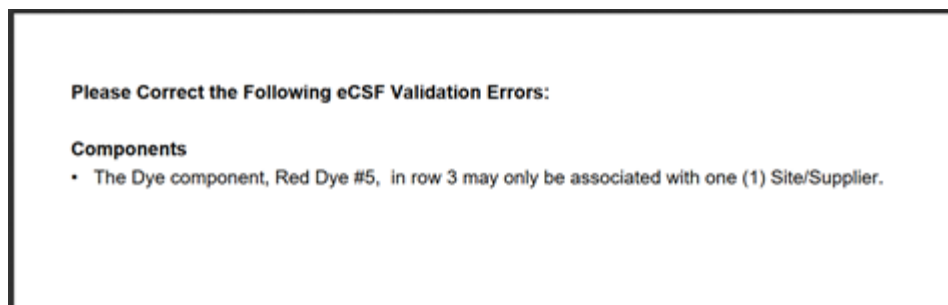


Exhibit 6-5: eCSF XML File Validation Report

Navigation: Correct all validation errors detailed in the report and then re-upload the file. Global validation in the eCSF application is the same as the validation applied in PSP; and it is therefore highly recommended that users upload a file that fails PSP validation into the eCSF application to correct errors. Refer to **Section 4.7.3** for additional information about global validation.

7 Appendix A – Definitions, Acronyms, and Abbreviations

Acronym	Full Name
CASRN	Chemical Abstracts Registry Number
CBI	Confidential Business Information
CDX	Central Data Exchange
CDXHD	CDX Help Desk
CFR	Code of Federal Regulation
CSF	Confidential Statement of Formula
eCSF	Electronic Confidential Statement of Formula
EP	End Use Product
EPA	United States Environmental Protection Agency
EUP	Experimental Use Permit
FIFRA	Federal Insecticide, Fungicide, and Rodenticide Act
ISO	International Organization for Standardization
ISP	Integrated Systems Product
IN	Inert Ingredient Request
IUPAC	International Union of Pure and Applied Chemistry
MRID	Master Record Identification Number
OPP	Office of Pesticide Programs
PA	Pre-Application
PDF	Portable Document Format
PPG	Pounds per Gallon
PIP	Plant Incorporated Protectant
PSP	Pesticide Submission Portal
Seq	Sequence

XML	Extensible Markup Language
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Exhibit 7-1 Definitions, Acronyms, and Abbreviations

8 Appendix B – Admin Number Information

EPA registration number (‘Admin Number’) is required on all pesticide products. The purpose of an ‘Admin Number’ is to provide a unique product number for regular registrations, distributor registrations, Special Local Needs registrations, and Experimental Use Permits.

EPA registration number indicates which company holds the registration for a pesticide product and in which sequence a product was submitted by a company to EPA.

Refer to **Exhibit 8-1** for examples of ‘Admin Numbers’ and note the following:

- CompanyNum = Company Number
- xxSEQxx = Sequence
- Seq = Sequence
- ParentRegNum means = Parent Regulatory Number
- EUP = Experimental Use Permit
- IN = Inert Ingredient Request
- PA = Pre-Application

Regulatory Action	Format	Examples
Product Registration - Section 3	CompanyNum-xxSEQxx	<ul style="list-style-type: none"> • 55050-1 • 334-165 • 334-ANA (Temporary File Symbol before the product is registered)
Distributor Product	ParentRegNum-CompanyNum	<ul style="list-style-type: none"> • 2155-40-12319 • 3862-140-13103
Experimental Use Permit - Section 5	CompanyNum-EUP-xxSEQxx	<ul style="list-style-type: none"> • 44544-EUP-2 • 45054-EUP-1
Tolerance Petition	ParentRegNum-CompanyNum	<ul style="list-style-type: none"> • 3F1383 • 2G1214 • Possible 2nd characters: E,F,G,H, and T, based on the Tolerance Petition type
Inert Ingredient Request	As given below, 2nd character being E,F,G,H,and T, based on the tolerance petition type	<ul style="list-style-type: none"> • IN-10606 • IN-10559
Pre-Application	CompanyNumPASeq	<ul style="list-style-type: none"> • 2382PA1 • 54022PA16

Exhibit 8-1 Admin Number Examples

R	E	G	U	L	A	T	I	O	N
1	2	3	4	5	6	7	8	9	0

Exhibit 8-2 File Symbol