



Food Defense Plan Builder Version 2.0

User Guide



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Food Defense Plan Builder v2.0 Legal Disclaimer

The Food Defense Plan Builder (FDPB) version 2.0 is a user-friendly tool designed to help owners and operators of a food facility in the development of a food defense plan that is specific to their facility and may assist them with meeting the requirements of the Mitigation Strategies to Prevent Food Against Intentional Adulteration regulation (21 CFR Part 121). A food defense plan is a set of written documents that is based upon food defense principles and incorporates a vulnerability assessment, includes mitigation strategies, and delineates food defense monitoring, corrective action, and verification procedures to be followed. A written food defense plan is essential for you to significantly minimize or prevent significant vulnerabilities related to intentional adulteration of food.

Although the content of the Food Defense Plan Builder v. 2.0 is consistent with the Food and Drug Administration's (FDA) existing regulations and guidance, use of the Food Defense Plan Builder v 2.0 does not constitute FDA approval of a food defense plan or guarantee compliance with FDA's requirements.

The Food Defense Plan Builder v. 2.0 is a desktop tool that resides only on the user's computer. FDA does not track or monitor its use and does not have access to any content or documents saved using this tool. FDA has taken all reasonable precautions in creating the Food Defense Plan Builder v. 2.0 and the documentation accompanying it. However, FDA is not responsible for errors, omissions or deficiencies regarding the tool and the accompanying documentation. The Food Defense Plan Builder and the accompanying documentation are available for download "as is" and without warranties of any kind, either expressed or implied, including, but not limited to, warranties of performance, merchantability, and fitness for a particular purpose. FDA is not making a commitment in any way to regularly update the tool and the accompanying documentation.

Responsibility for the interpretation and use of the Food Defense Plan Builder v. 2.0 and of the accompanying documentation lies solely with the user.

Third parties' use of or acknowledgment of the tool and its accompanying documentation does not in any way represent that FDA endorses such third parties or expresses any opinion with respect to their statements.

Introduction

The U.S. Food and Drug Administration's (FDA) Food Defense Plan Builder (FDPB) is a user-friendly, stand-alone desktop application designed to assist owners/operators of a food facility develop a personalized food defense plan. A food defense plan (FDP) is a set of written documents that is based upon food defense principles and incorporates a vulnerability assessment, includes mitigation strategies, and delineates food defense monitoring, corrective action, and verification procedures to be followed.

This user guide is NOT intended to provide guidance or training on FDA's regulatory requirements. Refer to the final rule entitled "*Mitigation Strategies to Protect Food Against Intentional Adulteration*" and FDA's guidance document entitled: "*Mitigation Strategies to Protect Food Against Intentional Adulteration: Guidance for Industry*" for detailed guidance and discussion on the IA rule requirements. You can find both of these documents on <https://www.fda.gov/food/food-defense>.

The FDPB guides users through a series of sections that, when completed, make up the content for a FDP for the facility. The FDPB is a desktop application that resides only on the user's computer. FDA does not track or monitor use of the FDPB, and FDA does not have access to any content or documents developed using this tool. The user's FDP can be stored on their local hard drive or other location as selected by the user. Food defense plans may include sensitive information and it is the user's responsibility to ensure files are saved and stored in a secure location.

Objective

This user guide provides instructions on how to use the FDPB to do the following:

- **Install the Food Defense Plan Builder**
- **Open the Food Defense Plan Builder**
- **Create and Edit Facility Information**
- **Create and Edit Product/Process Descriptions**
- **Create and Edit Vulnerability Assessments**
- **Create and Edit Mitigation Strategies**
- **Create and Edit Monitoring Procedures**
- **Create and Edit Corrective Actions Procedures**
- **Create and Edit Verification Procedures**
- **Add Supporting Documents**
- **View and Customize the Food Defense Plan Report**
- **Sign the Food Defense Plan**

Refer to the final rule entitled "*Mitigation Strategies to Protect Food Against Intentional Adulteration*" and FDA's guidance document entitled: "*Mitigation Strategies to Protect Food Against Intentional Adulteration: Guidance for Industry*" for detailed guidance and discussion on the IA rule requirements.



General

System Requirements

For the Food Defense Plan Builder to operate correctly, your computer configuration must meet the minimum requirements outlined in the table below. Note that the FDPB does not work on the MAC operating system.

Components	Minimum	Recommended
Computer	2.80 GHz	3.0 GHz
RAM	1 GB	2 GB
Hard Disk Space	100 MB	125 MB
Operating System	Windows 7	Windows 7, Windows 8.1, and Windows 10
.NET	4.5	4.5 Full
Graphics Card	SXGA+	SXGA+

Other than the computer’s Windows operating system, no additional software is needed to install or operate the Food Defense Plan Builder. However, if you would like to use the import function as outlined in the Importing Process Steps (in the Vulnerability Assessment chapter), you will need a software program (such as Microsoft Excel) that will open, edit, and save .xls files.

Downloading the FDPB

Download the FDPB from FDA’s website at <https://www.fda.gov/food/food-defense>. The FDPB will download as a .zip file. Once downloaded, save it to your computer.

Uninstalling the FDPB

If you have a previous version of FDPB installed on your computer, follow these steps to uninstall the previous version completely from your computer:

1. Click the Start button, type “Programs and Features” in the search box, and then select Programs and Features.
2. Select "Food Defense Plan Builder" and click “Uninstall/Change.” This will uninstall the FDPB from your computer.

Installing the FDPB

After you have downloaded the FDPB .zip file from the FDA website and saved it on your compute, you will need to unzip the file. The FDPB installation file is an .exe file.

Unzip

Using Windows File Explorer, locate the “PlanBuilderInstall.zip” file, right-click on it and select “Extract All...” You will need select the file location where you want the .exe file to unzip to.

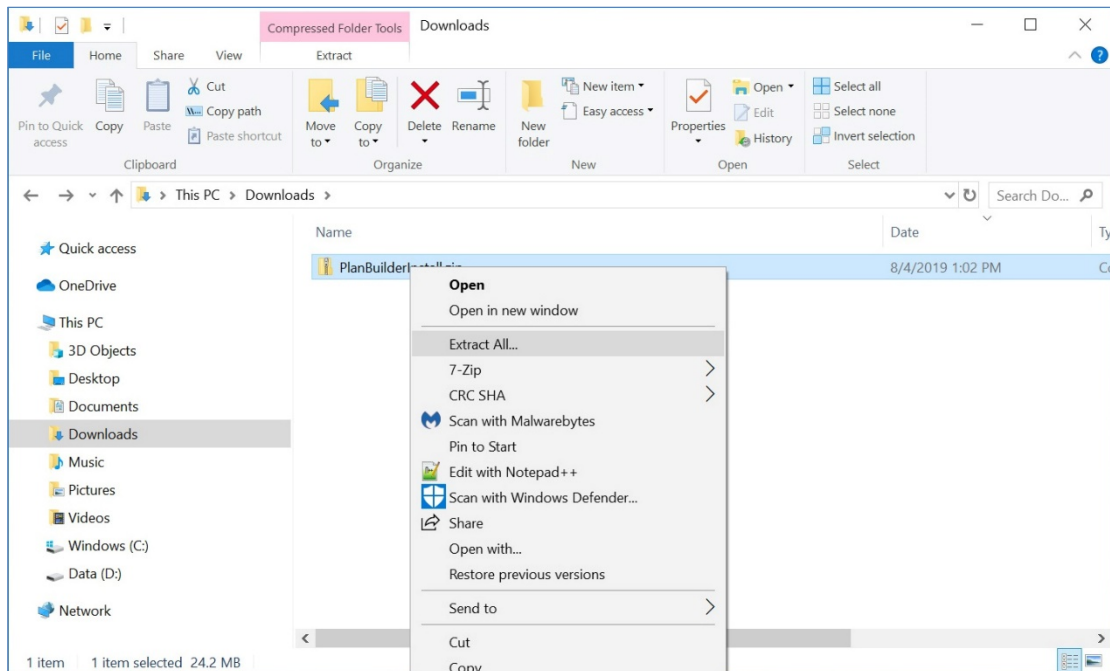


Figure 1-1: Extract Downloaded File

Install

Using Windows File Explorer, go to the folder where you unzipped the file to and locate and open the “PlanBuilderInstall.exe” file.

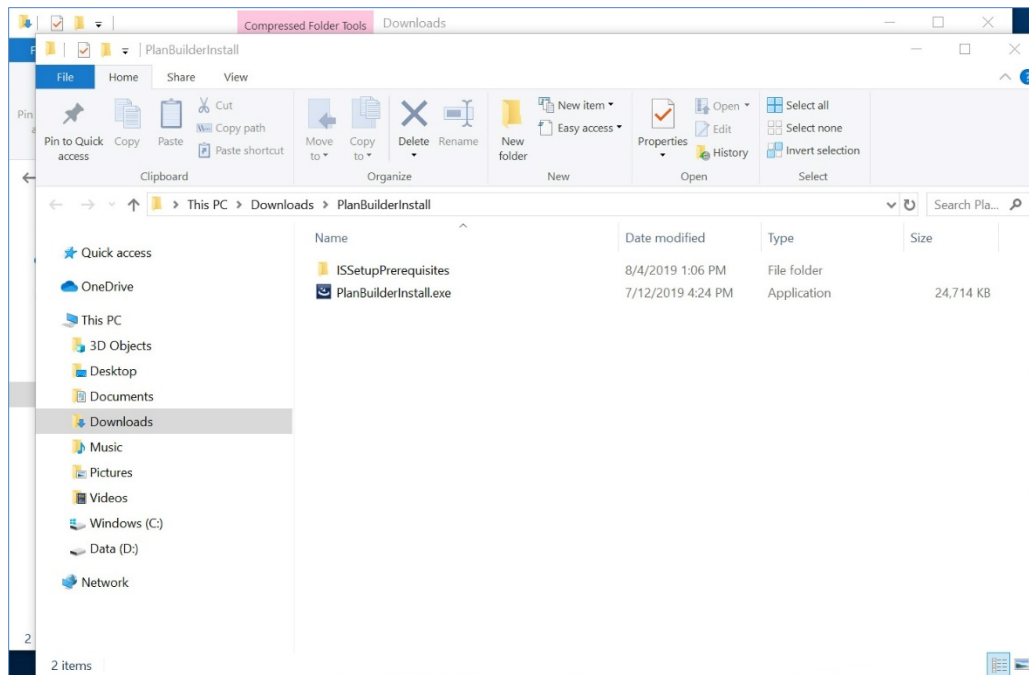


Figure 1-2: Run Installation

Double click on “PlanBuilderInstall.exe” to start the installation wizard. You must agree that you have read the Legal Disclaimer in order to continue with the install. Once the installation is complete, the FDPB will open automatically.

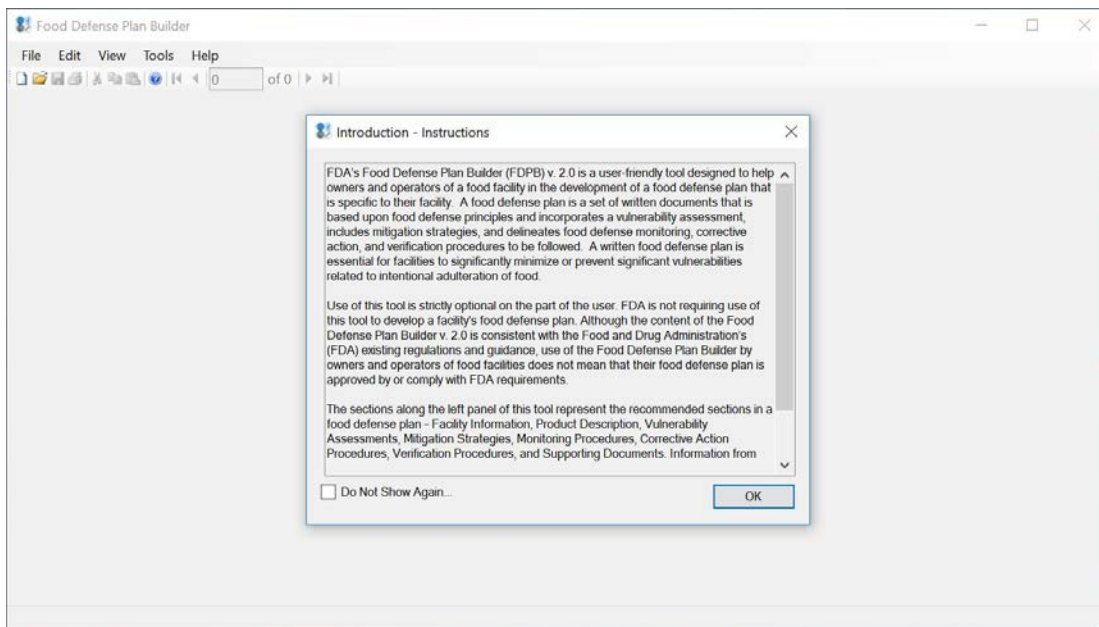


Figure 1-3: Food Defense Plan Builder

Opening a Saved Food Defense Plan from version 1.0 Using FDPB version 2.0

If you have a saved .fdp file that was created using FDPB version 1.0 (v 1.0), you will be able to open that file and convert it to a version 2.0 (v 2.0) file. Note that the conversion to v 2.0 is permanent. Once the file is converted, you will not be able to reopen the file in v 1.0. You will see a warning message when you have opened a v 1.0 file in v 2.0.

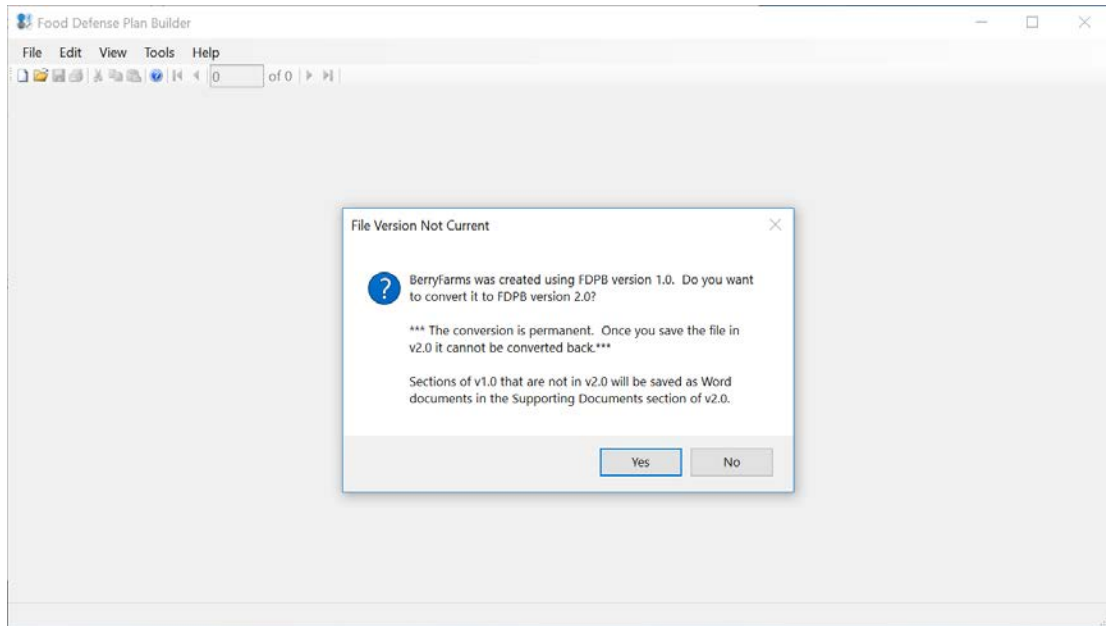


Figure 1-4: Conversion Warning

After converting your file to v 2.0, the content from the **Broad Mitigation Strategies**, **Emergency Contacts**, **Action Plan**, and **Supporting Documents** sections of v 1.0 will automatically be converted into PDF format and saved as a document in the **Supporting Document** section of v 2.0. Although the Vulnerability Assessment information from v 1.0 will copy over into v 2.0, note that in v 2.0, there are three elements that can be scored as compared to the two elements in v 1.0. The two scores from v 1.0 will automatically carry over into v 2.0, but there will be a third element (Element 1: Potential Public Health Impact) that will be left blank.

Opening FDPB version 2.0

When you open the FDPB, you will see a **Quick Start** dialog box that gives you the option to create a new food defense plan or to open an existing saved food defense plan. You can click on the **Do Not Show Again** checkbox to avoid seeing this dialog box every time you open the FDPB. You can also prevent the Quick Start dialog box from opening in the future by going to the [Tools Menu](#) and unchecking **Show Quick Start Dialog**.

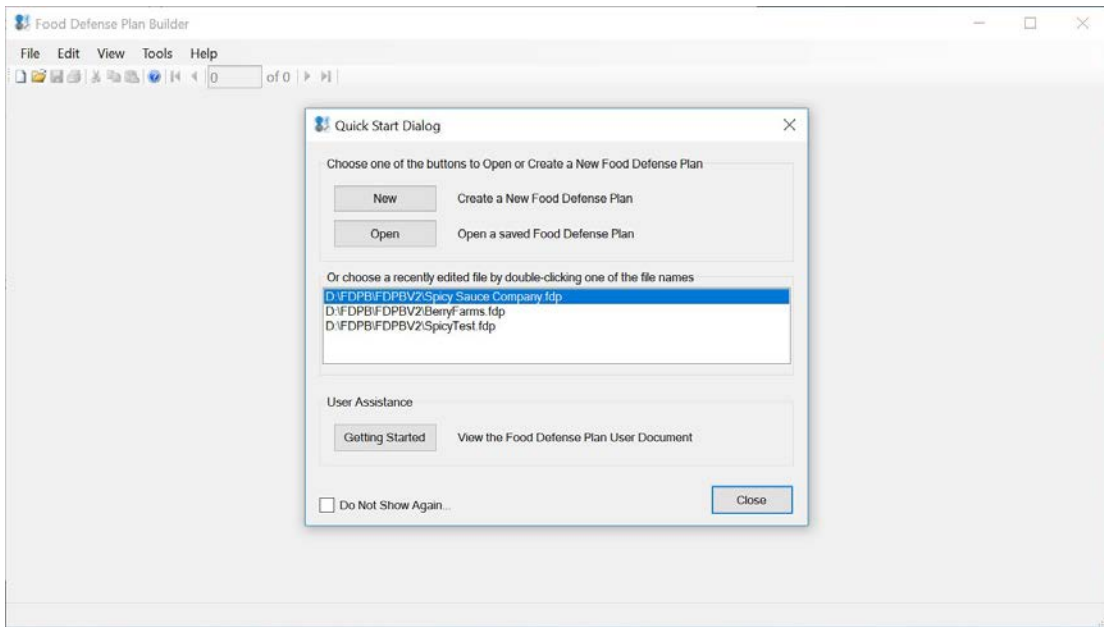


Figure 1-5: Quick Start Dialog

Main Menu

The Main Menu options (**File, Edit, View, Tools, and Help**) are similar to those found in other Microsoft Windows applications with which you may be familiar.

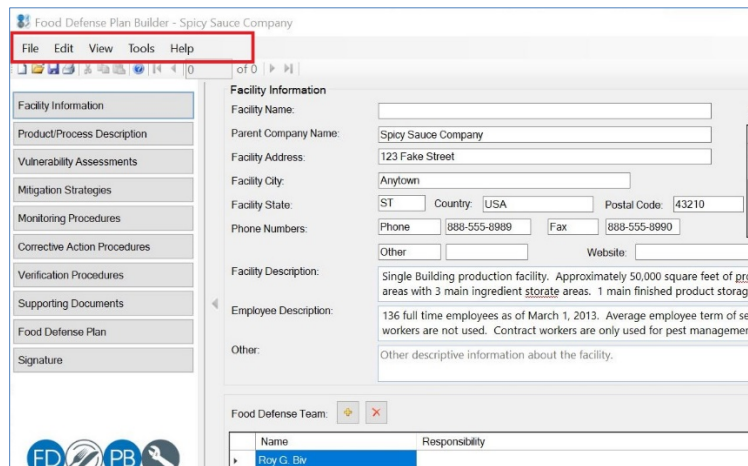


Figure 1-6: Main Menu

File Menu

The **File** menu has options such as **New, Open, Close, Save, Save As, and Print**.

- **New** - Creates a new food defense plan
- **Open** - Opens an existing food defense plan
- **Close** - Closes the current food defense plan (user is prompted to save the file before closing) but keeps the FDPB open
- **Save** - Saves updates to the food defense plan. Note that the FDPB automatically saves your food defense plans every 5 minutes.

- **Save As** – Saves the food defense plan under a new file name
- **Print** – Opens up the a **Custom Food Defense Plan** dialog box where you can select the Product/Process Name and the Sections to include in a printed plan. You can also go to the same **Custom Food Defense Plan** dialog box by clicking on the [Food Defense Plan](#) Section
- **Recent Files** — Displays all recently opened files in FDPB
- **Exit** – Closes and exits the FDPB.

Edit Menu

The Edit Menu provides options to **Undo**, **Redo**, **Cut**, **Copy**, **Paste**, and **Select All**.

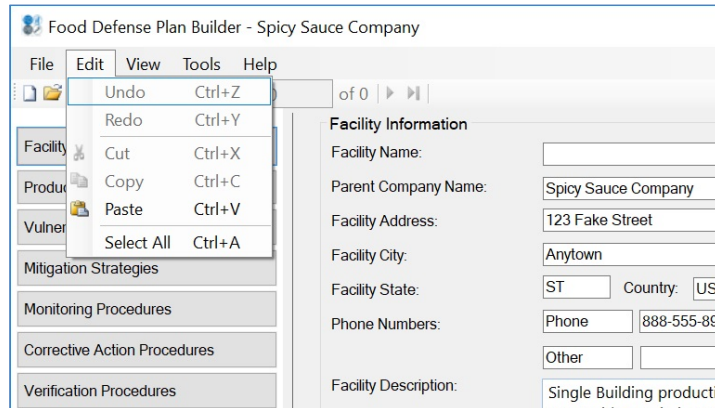


Figure 1-7: Edit Menu

View Menu

The View Menu displays a list of all of the sections in FDPB. Selection of one of the items from the list takes you directly to the selected section in the FDPB.

Tools Menu

The Tools menu at the top of the FDPB includes five options that you can turn on or off.

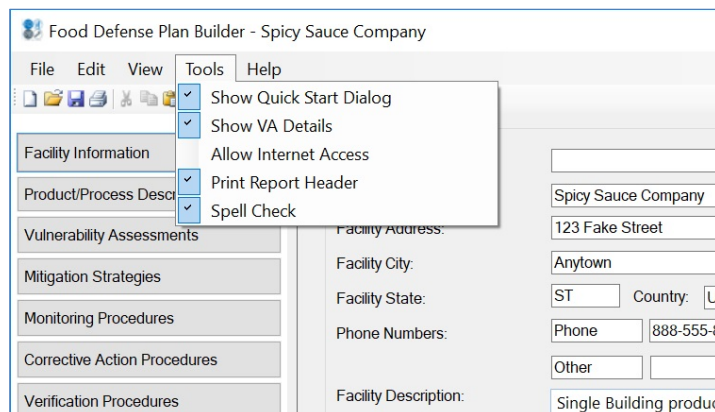


Figure 1-8: Tools Menu

Show Quick Start Dialog

By default, this option is checked, which means that a quick start dialog box opens automatically each time you open the FDPB. The quick start dialog box this allows you to either create a new or open an existing

food defense plan. Unchecking this option will prevent the **Quick Start Dialog** box that normally appears when users start the FDPB from appearing.

Show VA Details

In the [Vulnerability Assessment](#) section you have the option to show or hide the bottom detailed information pane. The default setting for when you open the FDPB for the first time is that the VA details are shown (checked). To hide the VA details, uncheck "Show VA Details." Note that if you hide or uncheck this option, that will be set as the new default whenever you reopen FDPB.

Allow Internet Access

In the [Mitigation Strategies](#) section, you will need internet access if you want to access FDA's online Food Defense Mitigation Strategies Database. By default this will be unchecked. To allow internet access, check Allow Internet Access. Note that if you uncheck this option, then the functionality will be turned off when you open the FDPB in the future.

Print Report Header

You can include a report header to the top of your printed food defense plan. Click on **Print Report Header** to open up a separate dialog box where you have the option to type in text for the header and select whether you want the header to be printed on just the cover sheet or on all pages of the food defense plan. The pre-filled text is "For Internal Use Only" and by default both **Print on Report Header on Coversheet** and **Print on Report Header on all pages** is checked. Note that if you uncheck this option, then the functionality will be turned off when you open the FDPB in the future. You can turn it back on by checking **Print Report Header** again.


Spell Check

By default, this option is checked when you initially open FDPB. A check here means that the Spell Check functionality is turned on. Unchecking this option will turn off the Spell Check functionality. Note that if you uncheck this option, then Spell Check functionality will be turned off when you open the FDPB in the future. See [Spell Check](#).

Help Menu

The Help Menu includes the User Guide, FDPB Legal Disclaimer, and About the FDPB. You can see the version number of the FDPB in the About the FDPB.

Saving a Food Defense Plan

To save a food defense plan, you can either click on the save  button or go to File Menu and select “save” or “save as.” Food defense plans created in FDPB are saved as .fdp files. Select the folder where you want the .fdp to be saved and enter a name for the .fdp file. Note that the folder and location where you save the .fdp is also where [Supporting Documents](#) will be saved. While you can create more than one food defense plan file as needed, each separate plan will need to be saved as a separate .fdp file.

If you create a new FDP and have not saved it within 5 minutes, the FDPB will remind you to save your FDP. Once saved, the FDPB will also automatically save your FDP every 5 minutes.

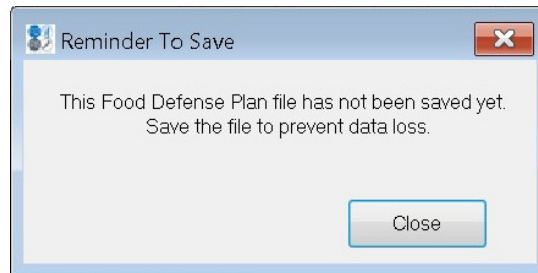


Figure 1-9: Save Reminder

Spell Check

FDPB v2.0 includes a Spell Check feature. By default, spell check is turned on when you initially install and open the FDPB. You can turn spell check off by going to the [Tools Menu](#) and unchecking Spell Check. When spell check is turned on, any words that is misspelled or unrecognized by the spell checker will have a red squiggly underline under it. Right click on the word that is underlined in red to see suggested spelling, or to add the word to the spell checker Dictionary, or to ignore the misspelling or unrecognized word.

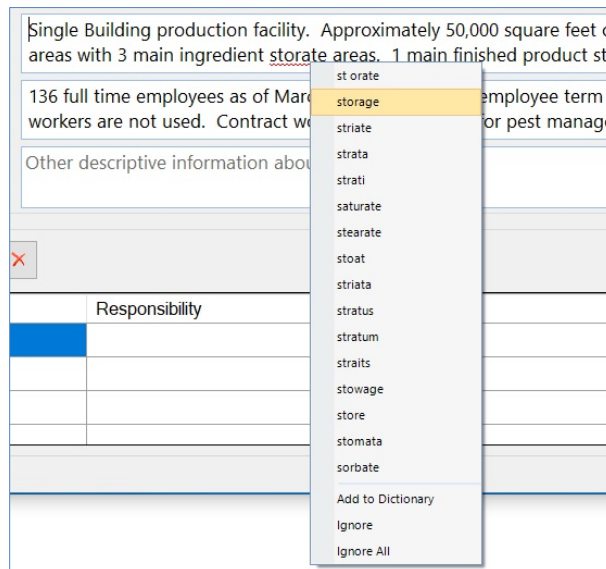


Figure 1-10: Spell Check

Chapter 2

Facility Information

Introduction

The Facility Information section allows you to enter information about the facility and the parent company.

Food Defense Plan Builder - New*

File Edit View Tools Help

of 0 | P |

Facility Information

Product/Process Description

Vulnerability Assessments

Mitigation Strategies

Monitoring Procedures

Corrective Action Procedures

Verification Procedures

Supporting Documents

Food Defense Plan

Signature

FD PB U.S. FOOD & DRUG ADMINISTRATION

Facility Information

Facility Name:

Parent Company Name:

Facility Address:

Facility City:

Facility State: Country: Postal Code:

Phone Numbers: Phone Fax Other

Website:

Facility Identifier Numbers:

Description	Number
FDA Registration #	
DUNS #	

Facility Description: General description of the company and the physical attributes of the facility.

Employee Description: Information about the number and types of employees at the facility.

Other: Other descriptive information about the facility.

Food Defense Team:

Name	Responsibility	Documentation
------	----------------	---------------


Figure 2-1: Facility Information

The fields of the Facility Information Section are:

- **Facility Name** – Name or identifier of the facility. If a company has multiple facilities, you can specify the facility name or identifier in this field.
- **Parent Company Name** – Name of the parent company of the facility.
- **Facility Address** – Street address where the facility is physically located.
- **Facility City** – City where the facility is physically located.
- **Facility State** – State where the facility is physically located.
- **Country** – Country where the facility is physically located.
- **Postal Code** – Zip code where the facility is physically located.
- **Phone Numbers** – Phone numbers for the facility. Phone number descriptions are editable.

- **Website** – The company’s website.
- **Facility Identifier Numbers**- Identifier numbers that are associated with the facility that you would like to be included in the FDP. The FDA registration number and DUNS# appear as a default. The FDA registration number is the unique number assigned to the facility when it was registered with the FDA. For more information on FDA requirements for Registration of Facilities visit: <https://www.fda.gov/food/guidance-regulation-food-and-dietary-supplements/registration-food-facilities>. You can delete the two default identifiers and/or add other identifier numbers, which may include those from USDA, State, or company-specific numbers. See [Adding Facility Identifier Numbers](#) and [Deleting Facility Identifier Numbers](#).
- **Facility Description** – General description of the facility, including any physical attributes.
- **Employee Description** – Information about the employees at the facility, including vocation types, number of employees, etc.
- **Other Description** – Information about the employees at the facility, including vocation types, number of employees, etc.

Adding Facility Identifier Numbers

To add a new facility identifier to the **Facility Identifier Numbers** list, click on the  icon to insert a new row in the table. Click on the new row to enter the **Description** and **Number** of the **Facility Identifier Number**.

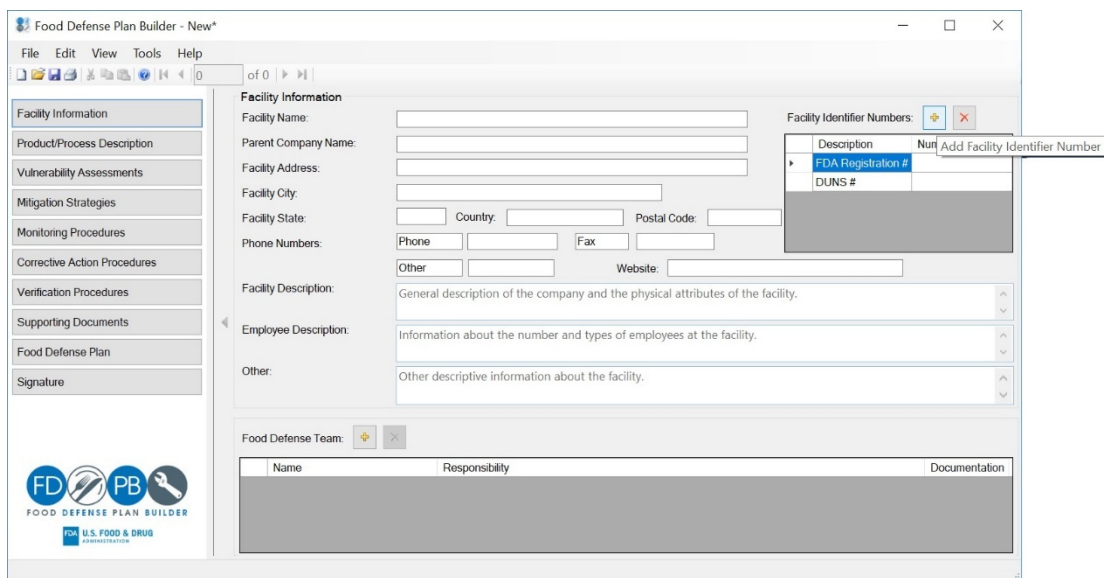



Figure 2-2: Add Facility Identifier Number

Deleting Facility Identifier Numbers

To delete an existing **Facility Identifier Number**, click on the row of the identifier to be deleted, and then click the  icon at the top of the form. This will permanently remove that identifier from the list. Figure 2-3 illustrates the highlighted row, marked for deletion, on the **Facility Identifier Numbers** list.

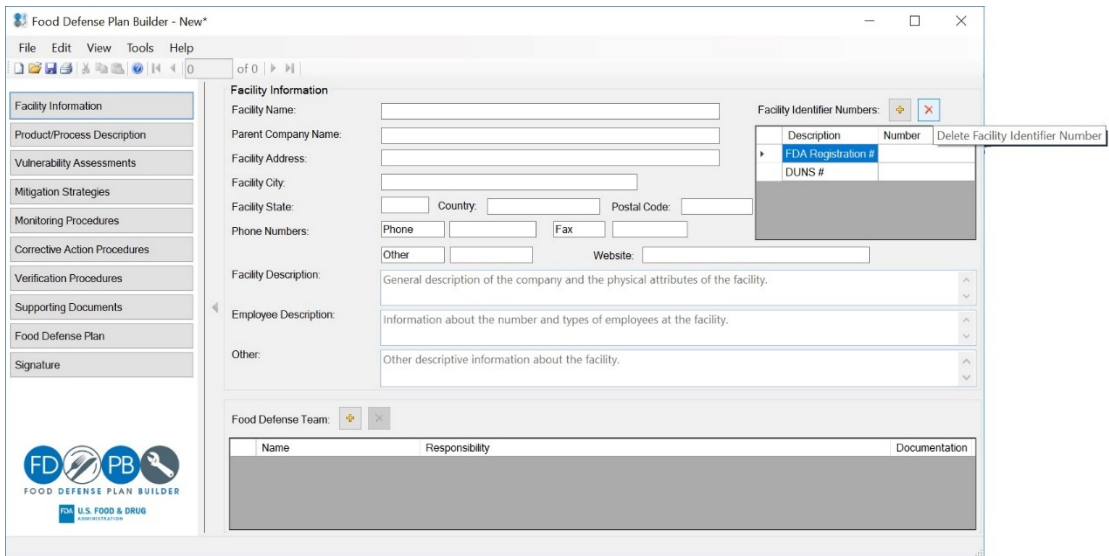



Figure 2-3: Delete Facility Identifier Number from List

Food Defense Team

The Food Defense Team area of the Facility Information section allows you to record in the FDP the individual(s) who were involved in the development of this FDP and designate those who have a responsibility to maintain and/or implement the plan. In addition, you can upload education, training, and/or experience documentation for individuals on the team.

Adding Food Defense Team Members

To add an individual to the Food Defense Team list, click on the  icon to insert a new row in the table. Click into the new row within the Name column and add the name of the individual.

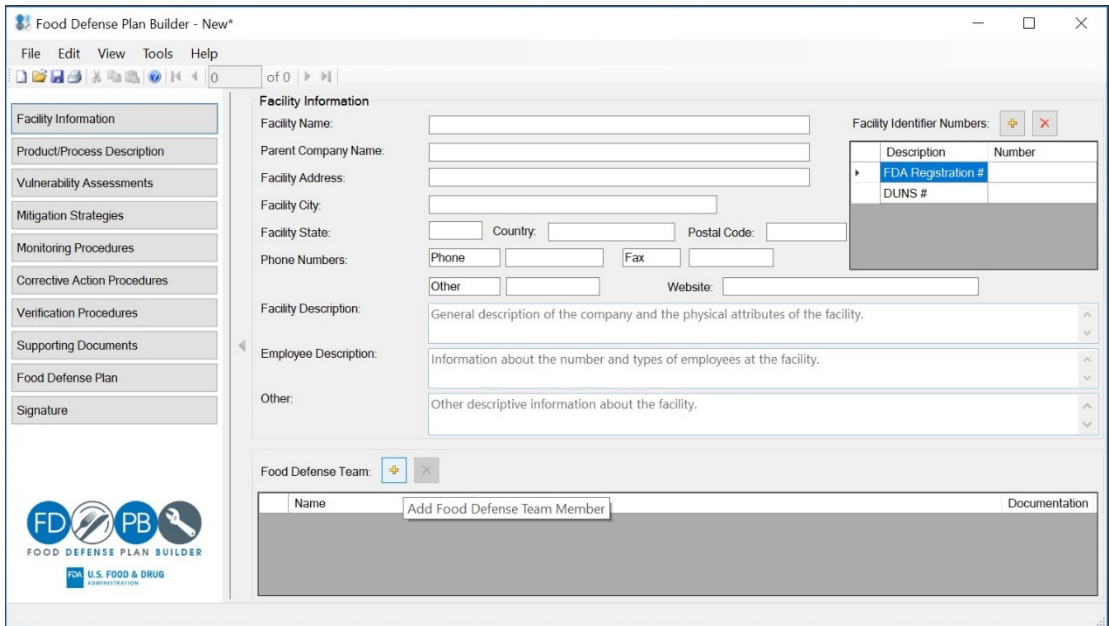

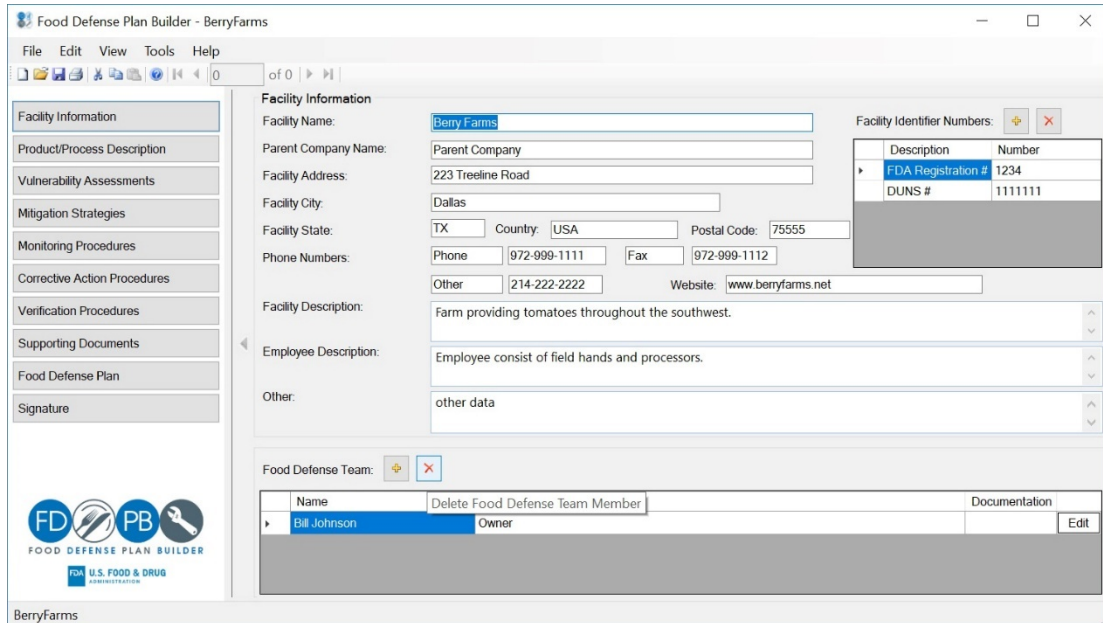


Figure 2-4: Add Individual to Food Defense Team

Deleting Food Defense Team Members

The process of deleting an existing member from the Food Defense Team is similar to adding a new member. To delete, click on the row of the individual to be deleted, and then click the  icon. This will permanently remove that name and title from the list. Figure 2-5 illustrates the highlighted row, marked for deletion, on the Food Defense Team member list.



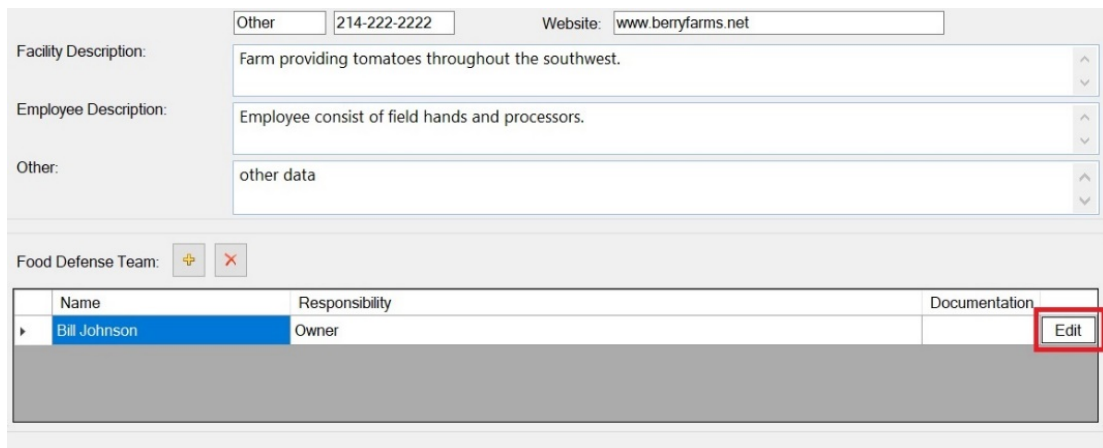
The screenshot shows the 'Food Defense Plan Builder - Berryfarms' application. The 'Food Defense Team' section is active, displaying a table with one member: Bill Johnson, Owner. The 'Other' checkbox is checked, and a tooltip 'Delete Food Defense Team Member' is shown over the row. The 'Documentation' column has an 'Edit' button.

Name	Responsibility	Documentation
Bill Johnson	Owner	<input type="button" value="Edit"/>

Figure 2-5: Remove Food Defense Member from List

Food Defense Team Details

You can click on the “Edit” button in any row to open up the **Food Defense Team details** dialog box where you can select or type in the team member’s responsibility enter their email address and phone number.



The screenshot shows the 'Food Defense Team details' dialog box. The 'Bill Johnson' row is highlighted, and the 'Edit' button is circled in red. The 'Other' checkbox is checked.

Name	Responsibility	Documentation
Bill Johnson	Owner	<input type="button" value="Edit"/>

Figure 2-6: Edit Food Defense Member’s Responsibility

Check the appropriate responsibility for the chosen Food Defense Team member. Use the **Other** checkbox to enter a custom responsibility. You can also add a phone number and email address for the team member in the details dialog box.

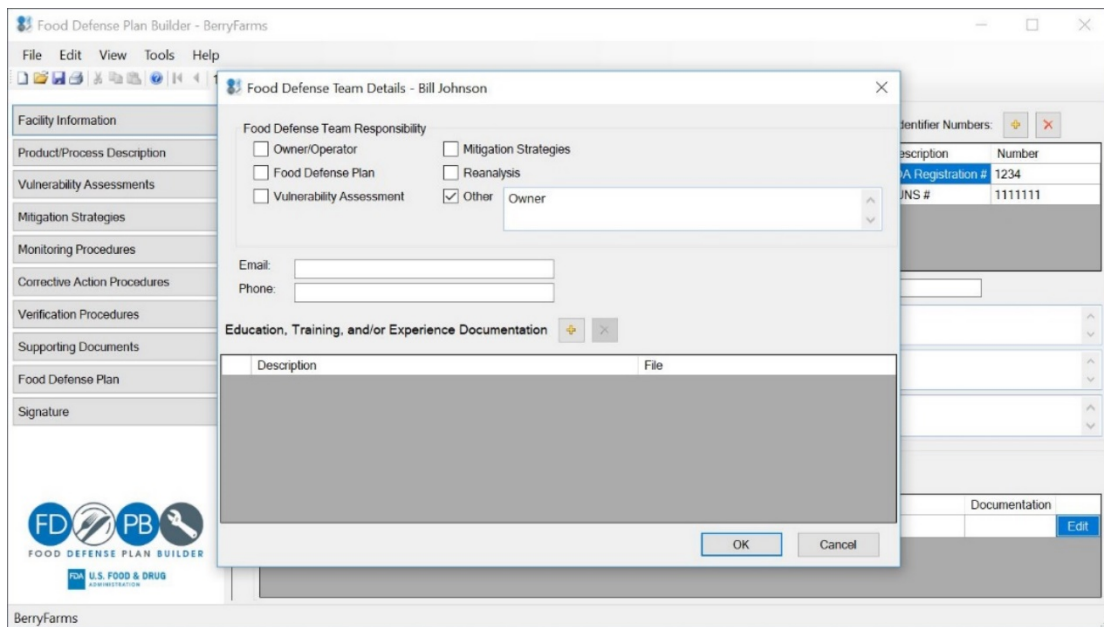



Figure 2-7: Select Food Defense Member’s Responsibility

Adding Education, Training, and/or Experience Documentation

To add education, training, or experience documentation for a food defense team member, click on Edit for the individual to open up the **Food Defense Team Details** dialog box and click on the  icon next to Education, Training, and/or Experience Documentation. An **Add Document** dialog box will appear where you can enter a description of the documentation. Click on **Select File** to select the file you would like to upload and click on **OK** to complete the upload. Enter a description of the document. By default, the document that you upload will be saved into a subfolder called “Documents” in the same folder as your saved food defense plan (.fdp) file. Use the **Subfolder** field to create or save the document into a new or existing subfolder. Only the file name and description of the documents are printed in the Food Defense Plan.

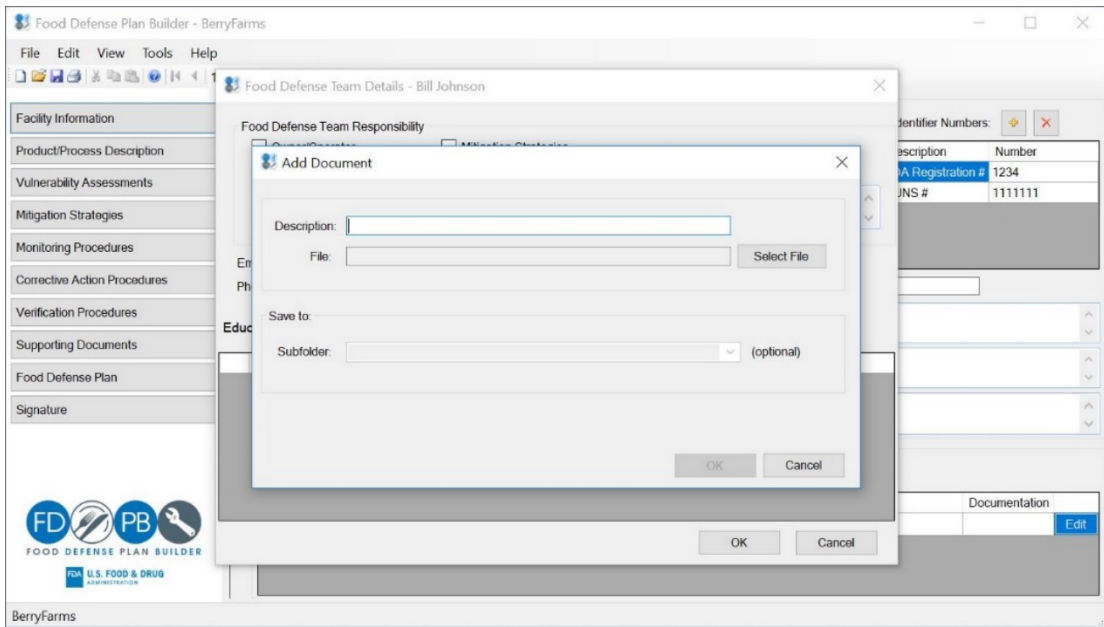



Figure 2-8: Add Document

To delete a document, click on the row of the document to be deleted, and then click the  icon.

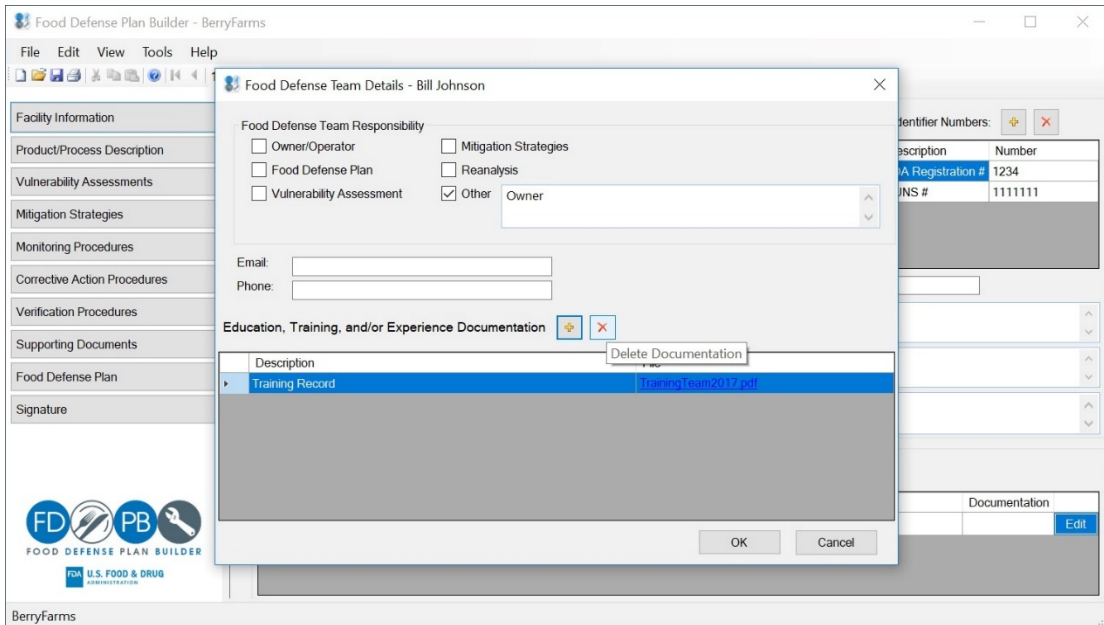


Figure 2-9: Delete Document

Chapter 3

Product/Process Description



Introduction

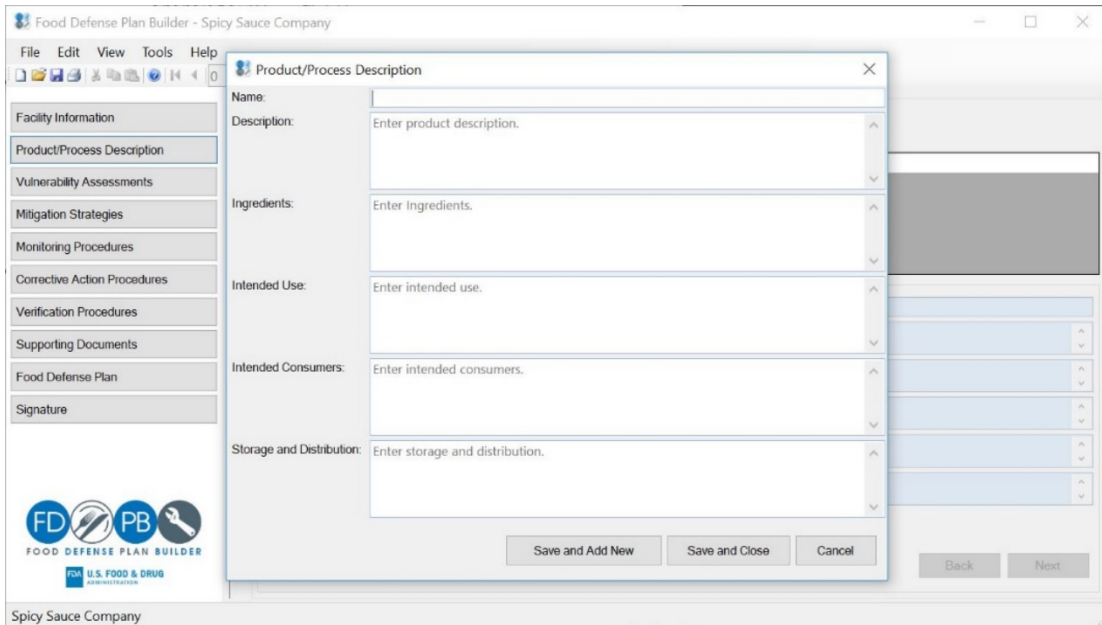
The Product/Process Description section of the FDPB allows you to input the products and/or processes that are covered in this food defense plan. If you are grouping similar food products or processes, you can use the Product/Process Description section to specify which food products or processes the groupings apply to.

The screenshot displays the 'Food Defense Plan Builder - Spicy Sauce Company' application window. The interface includes a menu bar (File, Edit, View, Tools, Help) and a sidebar with navigation options: Facility Information, Product/Process Description (selected), Vulnerability Assessments, Mitigation Strategies, Monitoring Procedures, Corrective Action Procedures, Verification Procedures, Supporting Documents, Food Defense Plan, and Signature. The main area is titled 'Product/Process Description' and features a 'Product/Process:' field with add and remove buttons. Below this is a table with columns for 'Name' and 'Description'. A 'Details:' section contains input fields for Name, Description, Ingredients, Intended Use, Intended Consumers, and Storage And Distribution. 'Back' and 'Next' buttons are located at the bottom right. The footer shows the 'FD PB' logo, 'FOOD DEFENSE PLAN BUILDER', and 'U.S. FOOD & DRUG ADMINISTRATION' logos, along with the text 'Spicy Sauce Company'.

Figure 3-1: Product/Process Description

Adding a Product/Process

Click on the  icon to add a new product/process to the list. When you click on the  icon, the Product/Process Description dialog box is displayed. Enter the name of the product/process, description, ingredients, intended use, intended consumers, and storage and distribution. To enter more than one product/process, click the **Save and Add New** button. This will save the existing product/process and keep the dialog box active so more products/processes can be entered.




The screenshot shows the 'Food Defense Plan Builder - Spicy Sauce Company' application. A 'Product/Process Description' dialog box is open, allowing users to enter details for a new product or process. The dialog box contains the following fields:

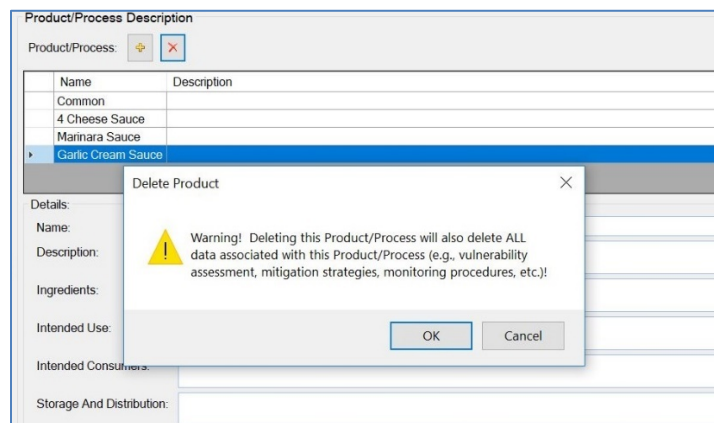
- Name: [Text input field]
- Description: [Text area with placeholder 'Enter product description.']
- Ingredients: [Text area with placeholder 'Enter Ingredients.']
- Intended Use: [Text area with placeholder 'Enter intended use.']
- Intended Consumers: [Text area with placeholder 'Enter intended consumers.']
- Storage and Distribution: [Text area with placeholder 'Enter storage and distribution.']

At the bottom of the dialog box, there are three buttons: 'Save and Add New', 'Save and Close', and 'Cancel'. The background application window shows a sidebar with various menu items like 'Facility Information', 'Vulnerability Assessments', etc., and a logo for 'FOOD DEFENSE PLAN BUILDER' by 'U.S. FOOD & DRUG ADMINISTRATION'.

Figure 3-2: Add Product Form

Deleting a Product/Process

To delete a product/process, click on the  icon. When you delete a product/process, all data associated with that product/process will be deleted, including vulnerability assessment, mitigations strategies, corrective action procedures, monitoring procedures, and verification procedures. The FDPB will display a warning message as shown in Figure 3-3.



The screenshot shows the 'Product/Process Description' dialog box with a list of products. The 'Garlic Cream Sauce' product is selected. A 'Delete Product' warning dialog box is displayed over the main dialog box. The warning dialog box contains the following text:

Warning! Deleting this Product/Process will also delete ALL data associated with this Product/Process (e.g., vulnerability assessment, mitigation strategies, monitoring procedures, etc.)!

At the bottom of the warning dialog box, there are two buttons: 'OK' and 'Cancel'.

Figure 3-3: Delete Product/Process Warning

Chapter
4

Vulnerability Assessment

Introduction

The Vulnerability Assessment section allows you to conduct and document a vulnerability assessment for the products/processes at your facility. You can enter the process steps for a product/process and determine which process steps are actionable process steps using either the Key Activity Types method, 3 Elements, or a combination of the two (also known as the Hybrid Approach). The steps that you identify as actionable process steps will automatically copy over to the **Mitigation Strategies, Monitoring Procedures, Corrective Action Procedures, and Verification Procedures** Sections.

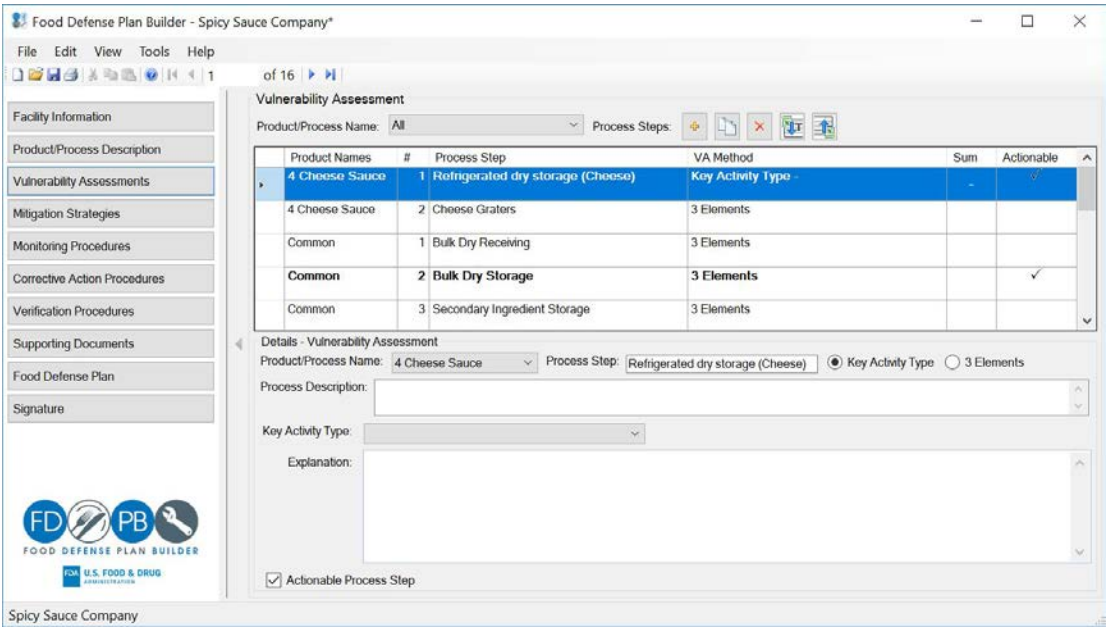


Figure 4-1: Vulnerability Assessment

The top of the Vulnerability Assessment (VA) section shows a summary of the process steps for the Products/Processes selected. You can view All Product/Processes or click on the dropdown menu to select one Product/Process.

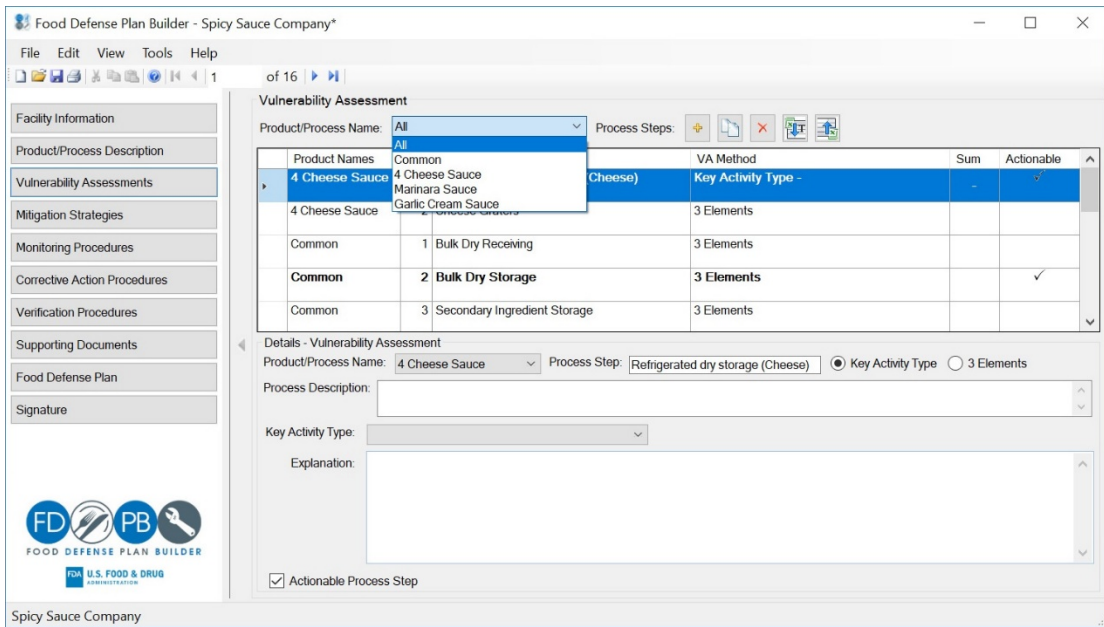


Figure 4-2: Filter Vulnerability Assessments by Product/Process Name

At the bottom of the VA section is the details pane, which shows the VA details for the process step selected. There is an option to either view or hide the VA details pane for a selected process step. By default, the VA details pane is shown.

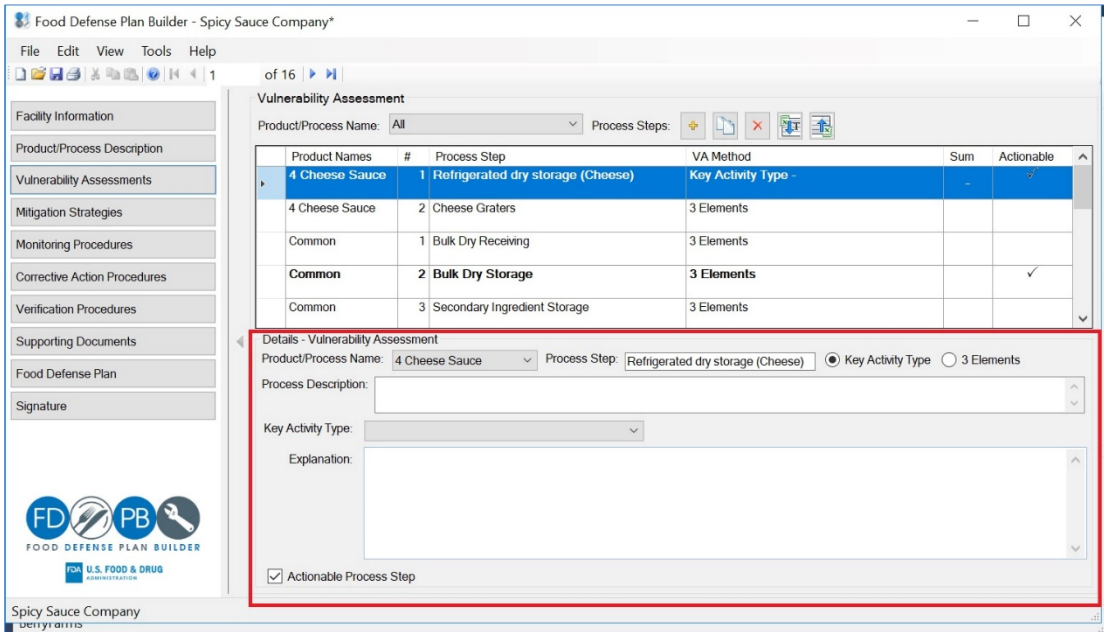


Figure 4-3: Vulnerability Assessment Details

To turn this option off and hide the VA details pane, go to the **Tools** Menu and unselect **Show VA Details**. See [Show VA Details](#).

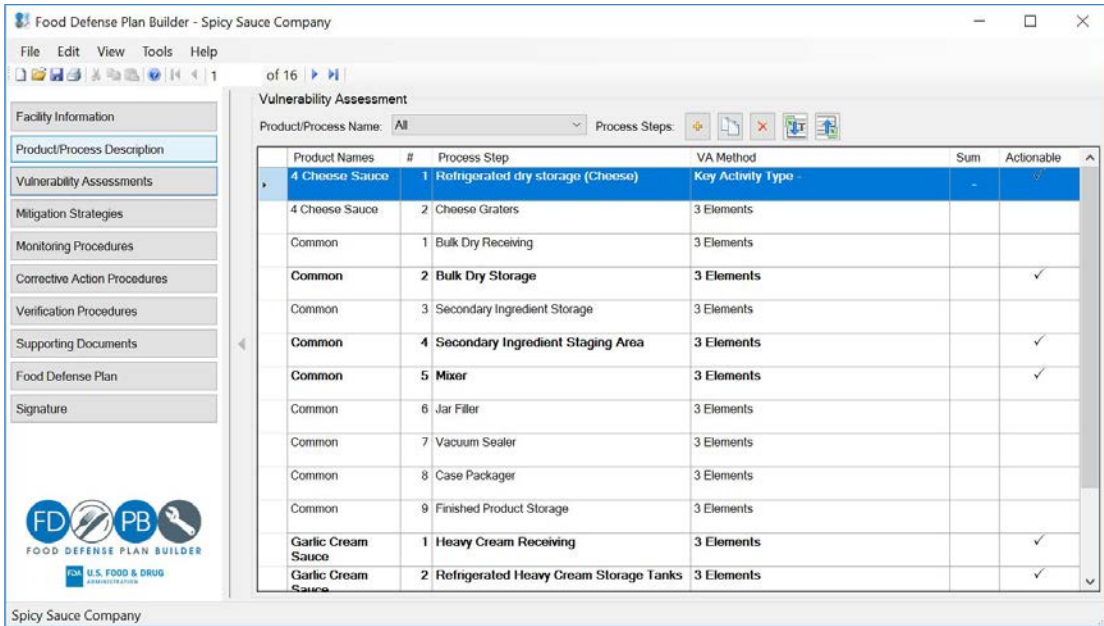


Figure 4-4: Vulnerability Assessment Details Hidden

Adding a Process Step

To add a new Process Step, click the  icon. A new Vulnerability Assessment (VA) dialog box will open.

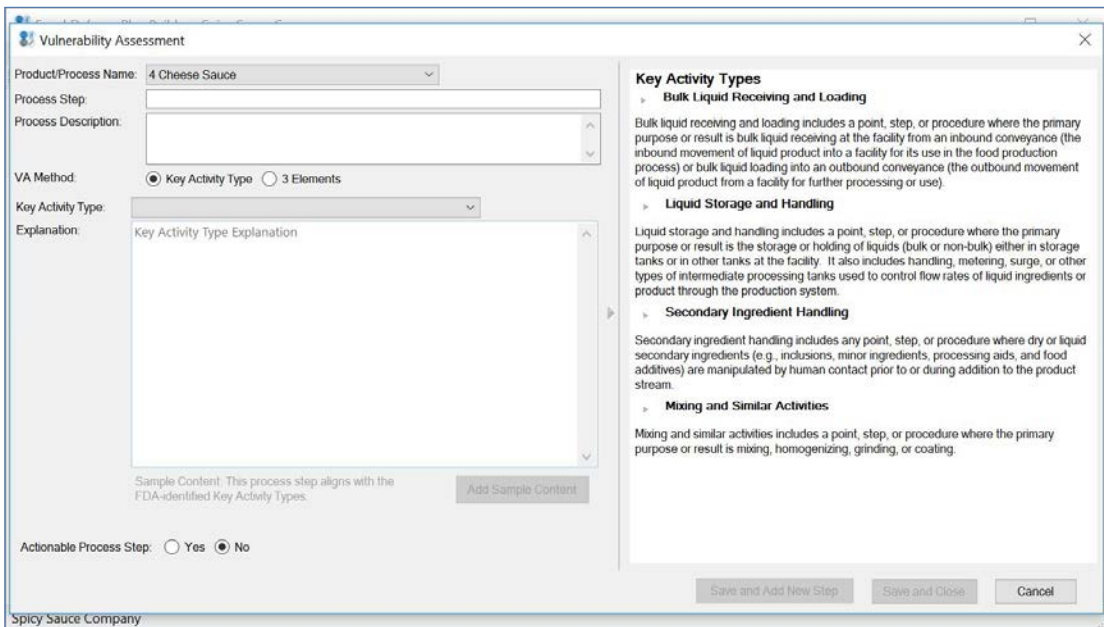


Figure 4-5: Vulnerability Assessment Dialog Box

Select an existing Product/Process Name from the dropdown and enter a Process Step name and Process Description. Choose the VA method you would like to use to conduct the vulnerability assessment for this process step: Key Activity Type or 3 Elements. Note that you can select a different method for each process step. For example, process step 1 you can choose Key Activity Type method but for process step 2 you can choose 3 Elements. This is also how you would use the FDPB to conduct a VA using the Hybrid Approach (a combination of both the Key Activity Types and 3 Elements). Note that the FDPB will save the data that you enter, even if you decide to change to the other VA method. The method that is selected when you close out the VA dialog box will be the one that shows in the main VA screen and the Food Defense Plan.

Reordering Process Steps

To change the ordering/numbering of a process step, click to highlight the process step you would like to move and hold and drag it to the desired new location. The process steps will be automatically renumbered.

Sorting Process Steps

You can sort the process steps by clicking on the column header that you want to sort by.


Sort by Sum

To sort the process steps by Sum, click on the **Sum** header and the process steps will sort by lowest sum to highest sum. Click on the **Sum** header again and the process steps will sort by highest sum to lowest sum. Note that if you used the Key Activity Type method to assess a process step, there is no numeric sum. Instead, you will see a dash “-” mark in the sum column for that process step. If you used the 3 Elements method and scored any one of the three elements with a score of “1” then the Sum column will show “N/A,” which stands for not applicable. If you used the 3 Elements method and did not score all three elements Process steps that were assessed using the 3 Elements VA method

Sort by Actionable Process Step


To sort by actionable process steps, click on the **Actionable** header twice to see the process steps that are identified as actionable process steps at the top.

Importing Process Steps

The FDPB allows you to import existing process steps and descriptions into the VA section. It also allows you to import important completed vulnerability assessments conducted outside of the FDPB. To import either process steps or a completed vulnerability assessment, you will need to download the Microsoft Excel (.xls) template from the FDPB. Click on the **Download Excel Import Template**  button. You will be prompted to select a Directory folder where you want to save the template and a Filename for it. In order to open the template, you must have either Microsoft Excel installed on your computer or another program that can open .xls files. The template includes four columns – **Process Step #, Process Step Name, Process Step Description, and Actionable Process Step? (Y/N)**. Figure 4-6 shows a sample import template.

	A	B	C	D
	Process Step #	Process Step Name	Process Step Description	Actionable Process Step? (Y/N)
1				
2	1	Receiving	Receiving of dry ingredients	N
3	2	Storage	Storage of dry ingredients	N
4	3	Measure ingredients	Measure ingredients	Y
5	4	Mixing	Mixing	Y
6				

Figure 4-6: Template Sample

Once you have populated the template and saved it, click on the **Import Excel Template**  button to import the data into the FDPB. The **Process Step Name** must contain content for the FDPB to import the data in that row. If a row does not have a Process step name, the data for the entire row will not be imported.

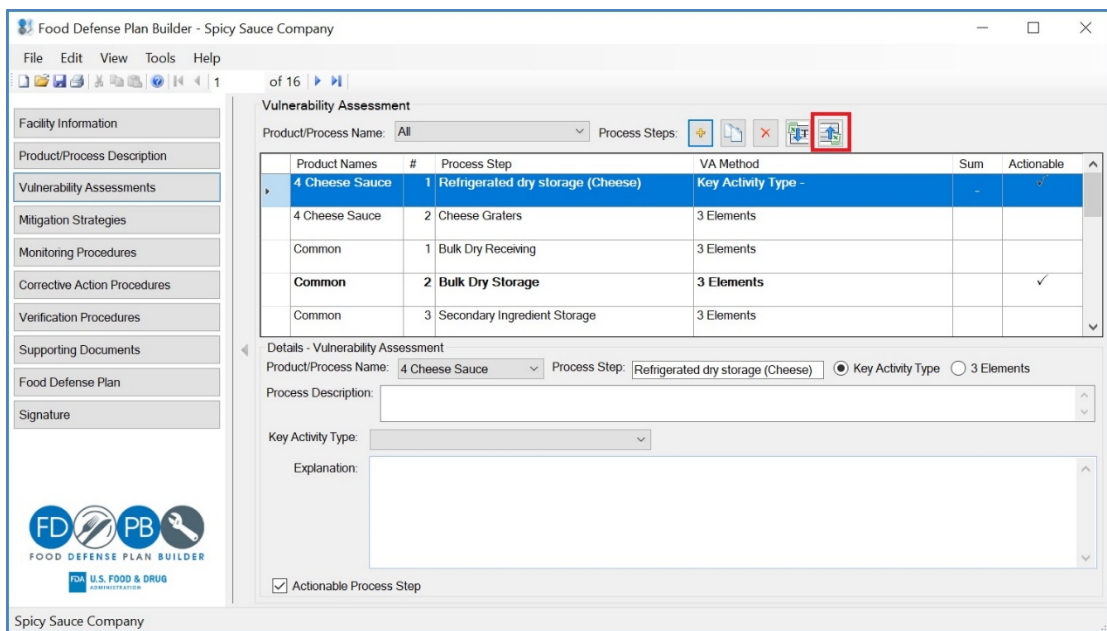


Figure 4-7: Import Process Steps from Excel Worksheet

Use the file selection dialog box to choose the saved Excel file to import. See Figure 4-8.

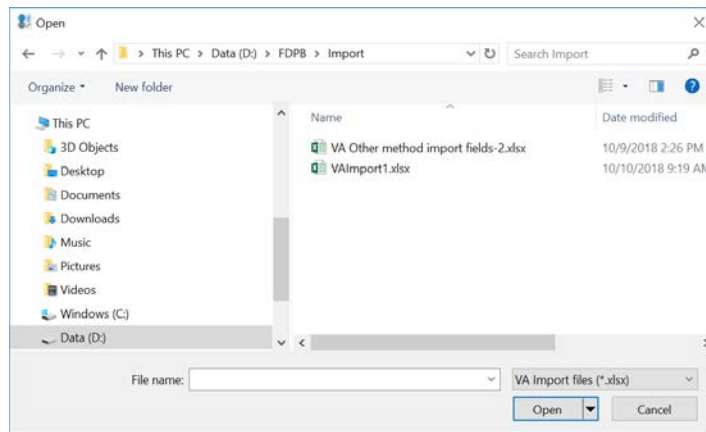


Figure 4-8: Select Excel Worksheet

Select the Product/Process Name with which you want to associate the import steps. Click **OK** to import.

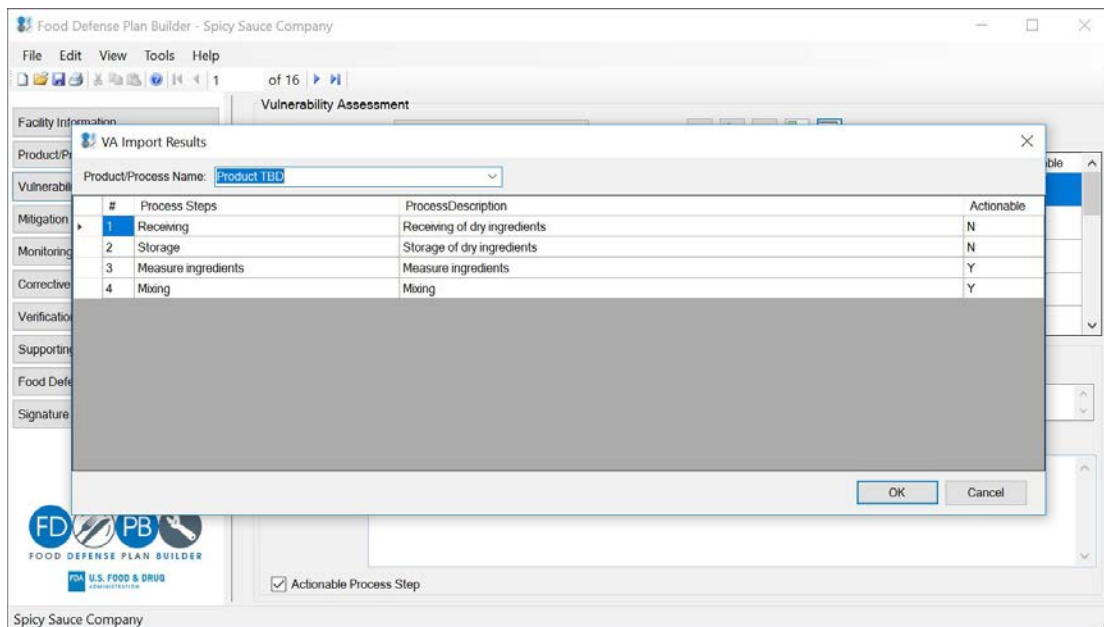


Figure 4-9: Process Steps Loaded from File

Then you should see the process steps imported into the FDPB. See Figure 4-10.

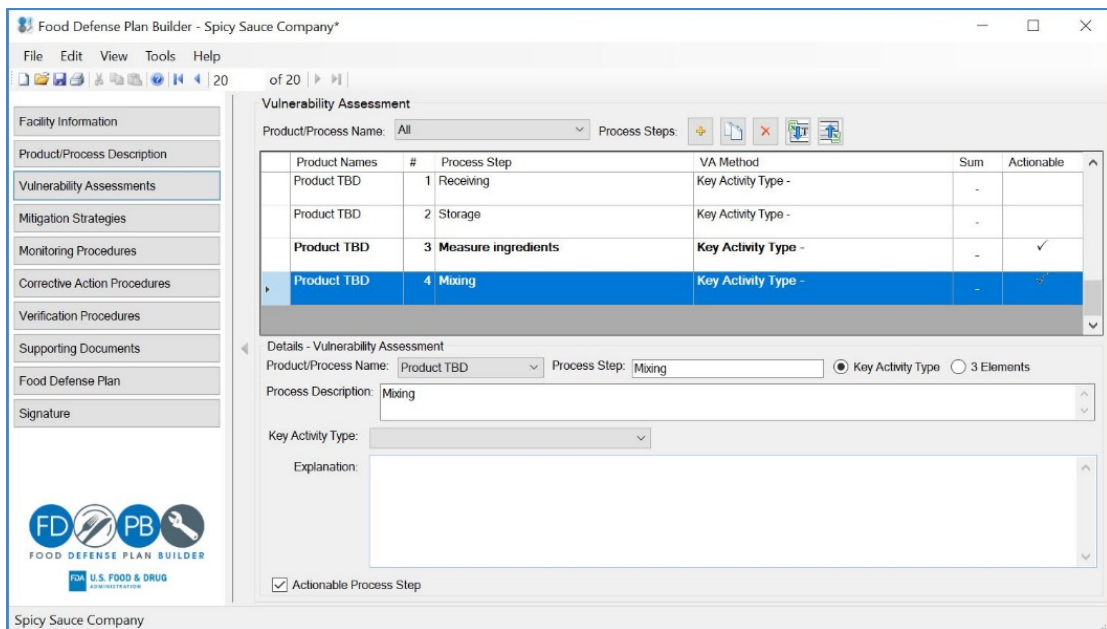


Figure 4-10: Imported Process Steps

Copy Process Steps

The FDPB allows you to copy process steps from a Process/Product. To copy some or all of the process steps from one Process/Product to a new or existing product, click on the **Copy Process Steps** button as shown in Figure 4-11.

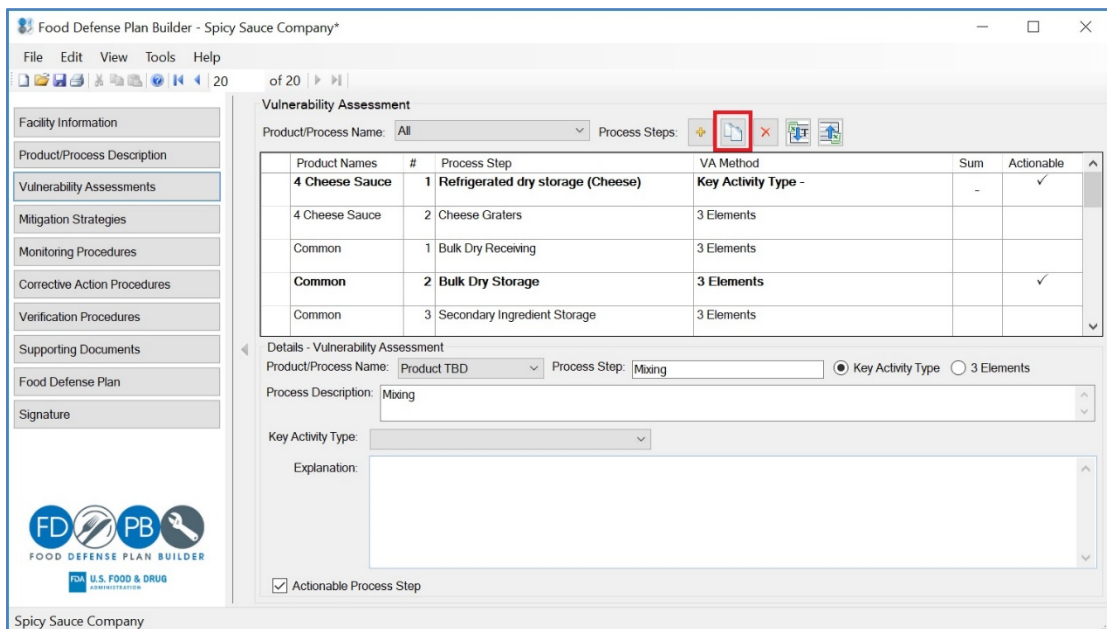


Figure 4-11: Copy Process Steps Button

When you click on the **Copy Process Steps** button, the **Copy Process** dialog box will open. On the left side, select an existing Process/Product Name from the dropdown list where you want to copy a process step from and on the right side, select either another existing Process/Product Name or enter a new Process/Product Name that you want to copy a process step to.

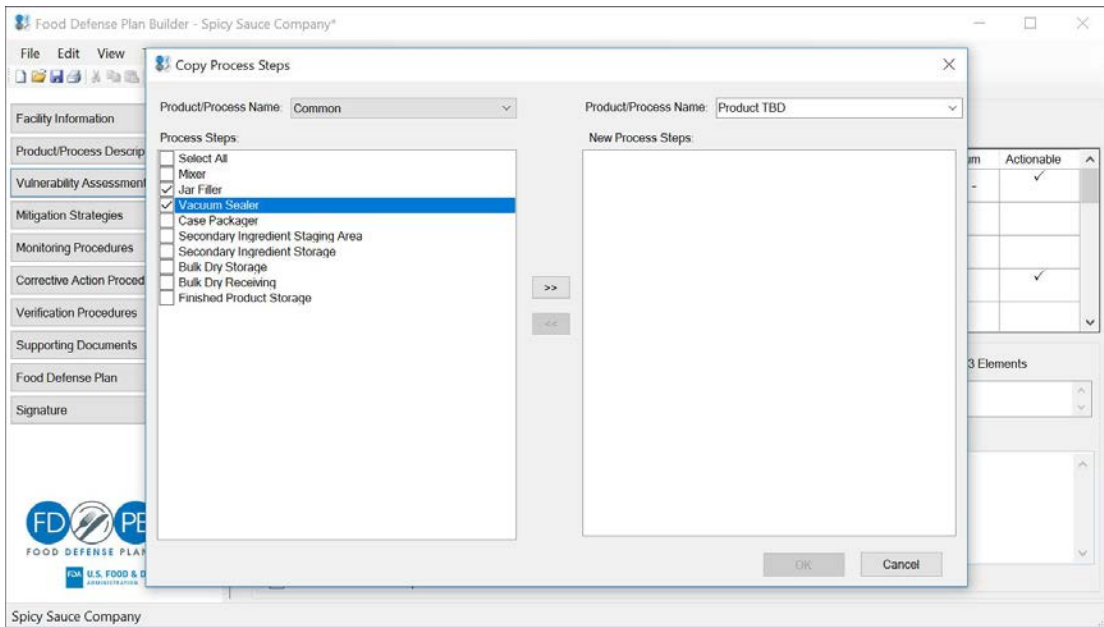


Figure 4-12: Copy Process Steps

When you copy a process step, all of the data associated with that process step will also copy over, including vulnerability assessment and all calculations (if applicable), mitigation strategies and explanations, monitoring procedures, corrective action procedures, and verification procedures.

Assessing a Process Step using Key Activity Types

When **Key Activity Type (KAT) Method** is selected, a short description for each Key Activity Type is shown in the right portion of the dialog box. To see the full description of the KAT, click on the dropdown arrow ► next to the specific KAT. Click on **Key Activity Type** drop down menu to see a list of options: Not Key Activity Type, Bulk Liquid Receiving and Loading, Liquid Storage and Handling, Secondary Ingredient Handling, and Mixing and Similar Activities.

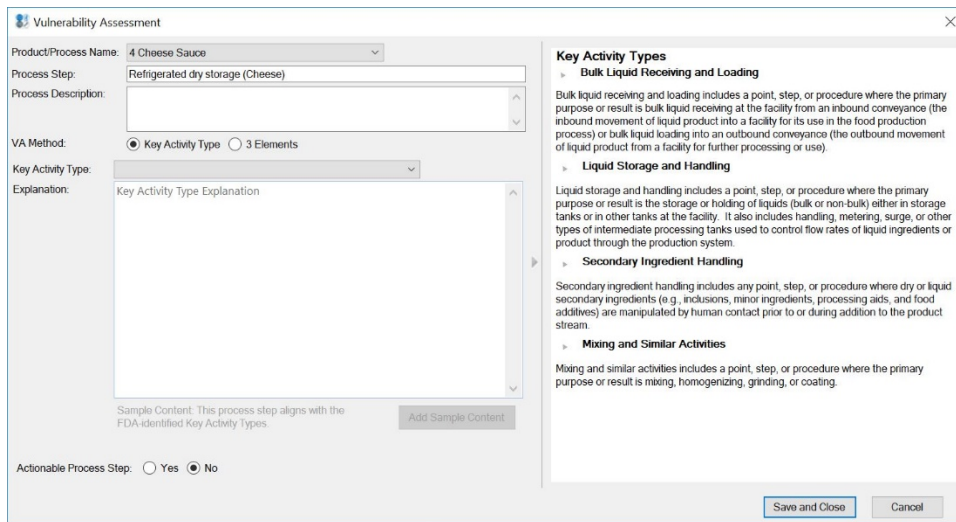


Figure 4-13: Vulnerability Assessment Dialog Box- Key Activity Types

If you select one of the four Key Activity Types, you will have the option to add sample content into the Explanation field. Click on the **Add Sample Content** button to populate the Explanation field with the sample content.

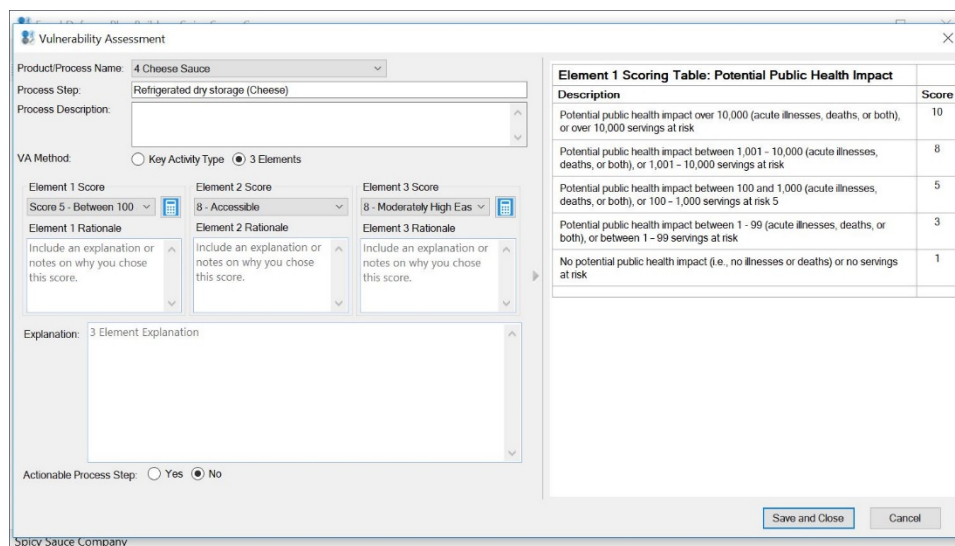



Figure 4-14: Vulnerability Assessment Dialog Box – 3 Elements

Assessing a Process Step using 3 Elements Method

When 3 Elements is selected, the VA dialog box changes to show a score and rationale fields for Elements 1, 2, and 3, respectively. For each Element, there is a dropdown menu that shows the scoring options. When you click on one of the Elements, the table on the right side of the VA dialog box will change to that respective scoring table. For example, when you click on the **Element 2 Score** dropdown menu or **Element 2 Rationale** text box, the FDPB shows the scoring table for Element 2: Degree of Physical Access to the Product.

Within the **3 Elements Method** option, the FDPB has built in calculators for Element 1 and Element 3 to assist you with determining a score.

Element 1 Calculator

Click on the calculator  button next to the Element 1 dropdown menu to open the Element 1 Calculator. Choose either the **Volume of Food at Risk** or the **Representative Contaminant Approach**.

If you choose **Volume of Food at Risk**, enter the **Batch size** and choose the appropriate unit of measurement; units are listed for both mass and volume. Then enter the **Amount of Product (Ingredient) in Final Serving**. Note that the calculator will automatically filter and only show the units of measurement that is the same type (either mass or volume) as what you selected in the **Batch size**. Once you have entered both the **Batch Size** and the **Amount of Product (Ingredient) in Final Serving**, the **Servings per Batch** will automatically be calculated and the FDPB will show a **Potential Public Health Impact score** from the Element 1 scoring table based on the **Servings per Batch** calculated. Click on **Update Score** to automatically have the **Potential Public Health Impact Score** applied.

If you make changes to the Batch Size and/or Amount of Product (Ingredient) in Final Serving, click on the **Update Score** button to recalculate and the FDPB will update the Element 1 score accordingly. You can also

clear the data in the Element 1 calculator by clicking on the **Clear Data** button. Remember to click on **Update Score** if you want to apply the score from the Element 1 calculator. Figure 4-15 shows the Element 1 Calculator.

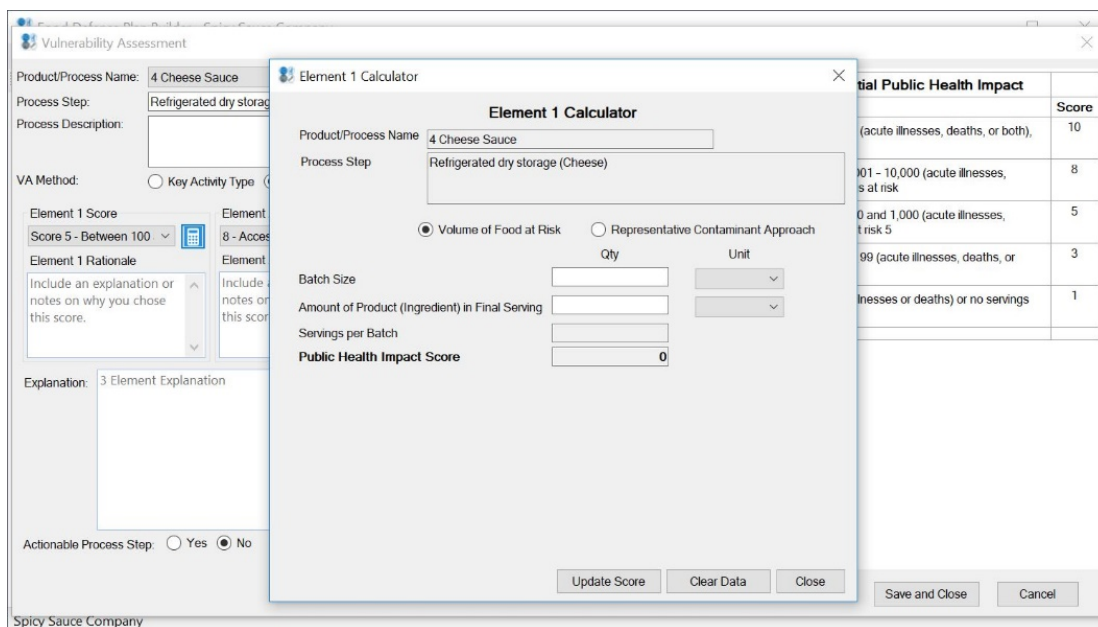



Figure 4-15: Element 1 Calculator

If you choose **Representative Contaminant Approach**, enter the **Batch size** and choose the appropriate unit of measurement (units are in listed for both mass and volume). Then enter the **Amount of Product (Ingredient) in Final Serving**. Note that the calculator will automatically filter and only show the units of measurement that is the same type (either mass or volume) as what you selected in the **Batch size**. Once you have entered both the **Batch Size** and the **Amount of Product (Ingredient) in Final Serving**, the **Servings per Batch** will automatically be calculated. For the **Representative Contaminant Approach**, the FDPB does an additional calculation based on the 50% mortality rate set by U.S. Food and Drug Administration (FDA). The FDPB will show a **Potential Public Health Impact score** from the Element 1 scoring table based on the **Servings per Batch**, **Mortality Rate**, and **Number of Deaths**.

You can recalculate the **Servings per Batch** by making changes to the **Batch Size** and/or **Amount of Product (Ingredient) in Final Serving**. Click on the **Update Score** button to recalculate and the FDPB will update the Element 1 score accordingly. You can also clear the data in the Element 1 calculator by clicking on the **Clear Data** button. To close the Element 1 Calculator, click on Close. Note that you can keep the **Element 1 Calculator** open while you are working in the VA dialog box. Once you close the VA dialog box, the calculator will also close.

Element 3 Calculator

Click on the calculator  button next to the Element 3 dropdown menu to open the Element 3 Calculator to calculate the **Amount of Representative Contaminant Needed per Batch**. If you chose the **Representative Contaminant Approach** and input data in the Element 1 Calculator, the FDPB will automatically calculate the **Amount of Representative Contaminant Needed per Batch** based on the data that you entered in the Element 1 Calculator and FDA’s provided value for **Representative Contaminant Dose Needed per Serving**.

Unlike the Element 1 Calculator, the Element 3 Calculator does not automatically provide a score for Element 3. You will use **Amount of Representative Contaminant Needed per Batch** and the **Element 3 Scoring Table** to help you in the analysis and determination of the score for Element 3.

To close the Element 3 Calculator, click on Close. Note that you can keep the Element 3 Calculator open while you are working in the VA dialog box. Once you close the VA dialog box, the calculator will also close.

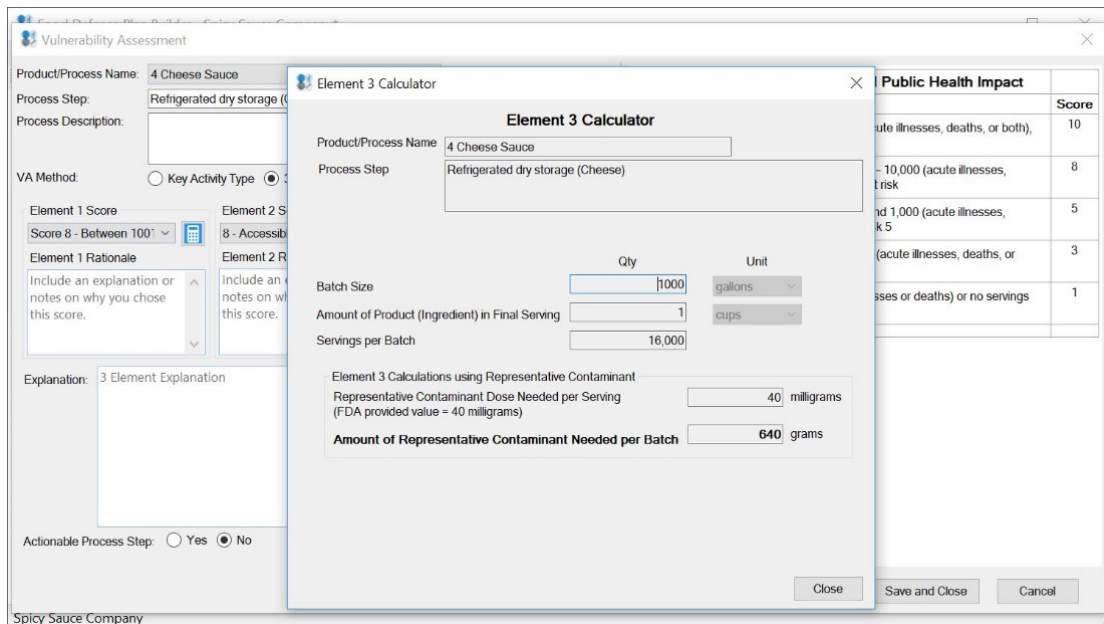


Figure 4-16: Element 3 Calculator

Editing a Process Step

To edit an existing process step, select the process step in the VA summary table. If you have the [Show VA Details](#) option turned on under Tools, you can either edit the process step in the details section below the VA summary table, or double click on the process step row. Double-clicking on a process step row opens the VA dialog box for that step.

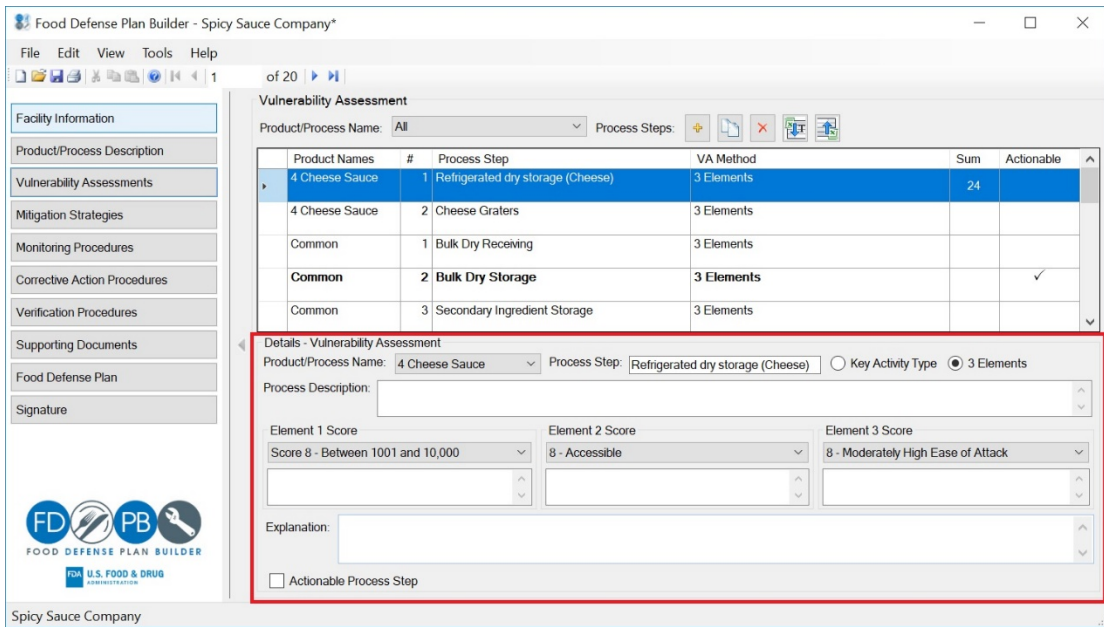



Figure 4-17: Edit Vulnerability Assessment Using Detail Panel

If you have the [Show VA Details](#) option turned off under Tools, then your only option is to double click on the process step row to edit the VA information for that process step.

Deleting a Process Step

To remove a process step, click on the process step you wish to delete and then click on the  button. A new dialog box will open to confirm the deletion of the process step.

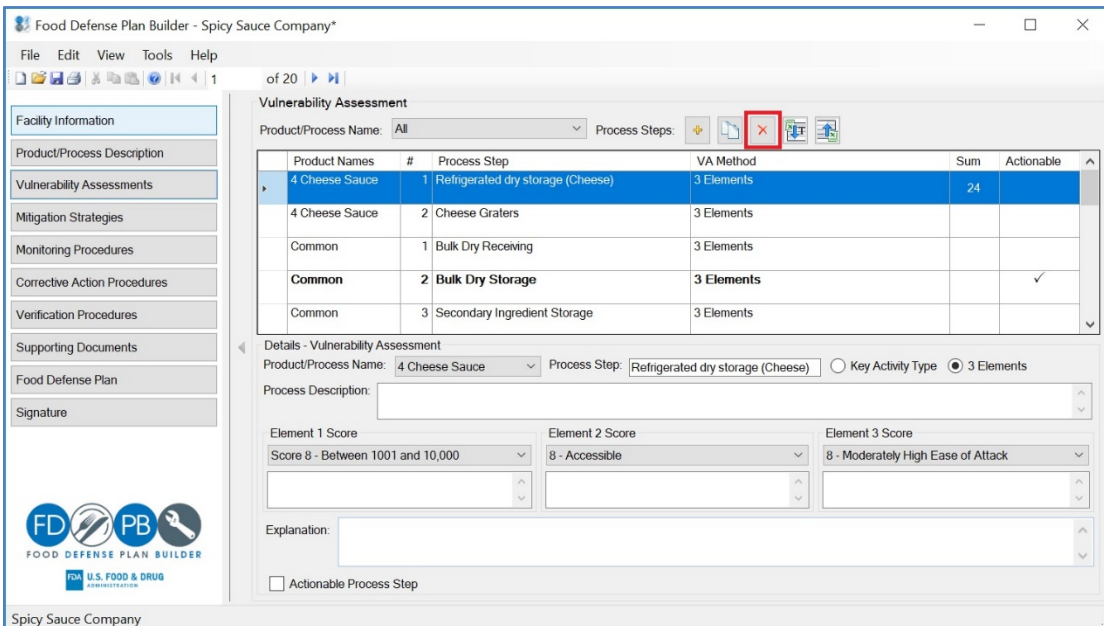


Figure 4-18: Delete Process Step



Mitigation Strategies

Introduction

The Mitigation Strategies section of the FDPB allows you to identify and document mitigation strategies for the actionable process steps that were identified in the Vulnerability Assessment section. The process steps that were identified as actionable process steps in the Vulnerability Assessment section will automatically copy over to the Mitigation Strategies section. The Mitigation Strategies section is divided into two main sections. The top section contains all of the actionable process steps and the bottom section contains the mitigation strategies details for the selected actionable process step.

The FDPB has the option to access and search for mitigation strategies on FDA's online Food Defense Mitigation Strategies Database (FDMSD) and allows you to incorporate content directly from the FDMSD to your food defense plan.

The top of the Mitigation Strategies section shows a summary of the actionable process steps for the Products/Processes selected. You can view All Product/Processes or to view one Process/Product at a time, click on the dropdown menu to select the Product/Process.

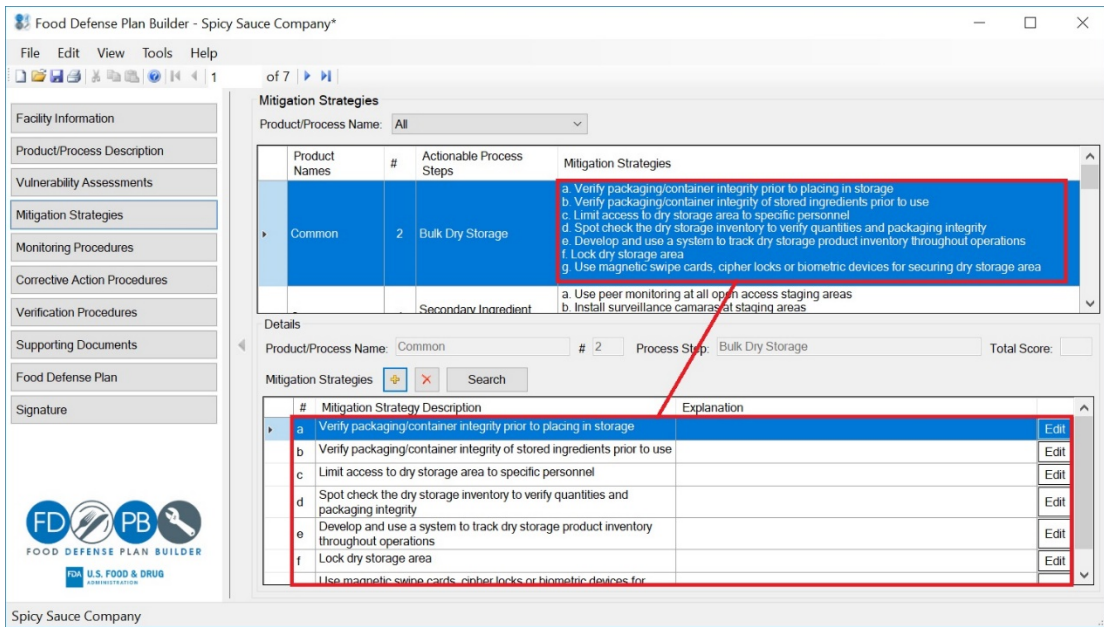



Figure 5-1: Mitigation Strategy Section Layout

Adding Mitigation Strategies

There are two ways to add mitigation strategies. One way is to type in a mitigation strategy and the other is to search for and input mitigation strategies from FDMSD.

Manually Adding Mitigation Strategies

To add a new mitigation strategy for an actionable process step, select the actionable process step in the top view pane and click on the  icon. This will add a new row to the mitigation strategies details table.

Double click on the new row and type in a Mitigation Strategy **Description** and **Explanation**. You can also click on the Edit button to show the Mitigation Strategy form and enter the description and/or explanation in the form.

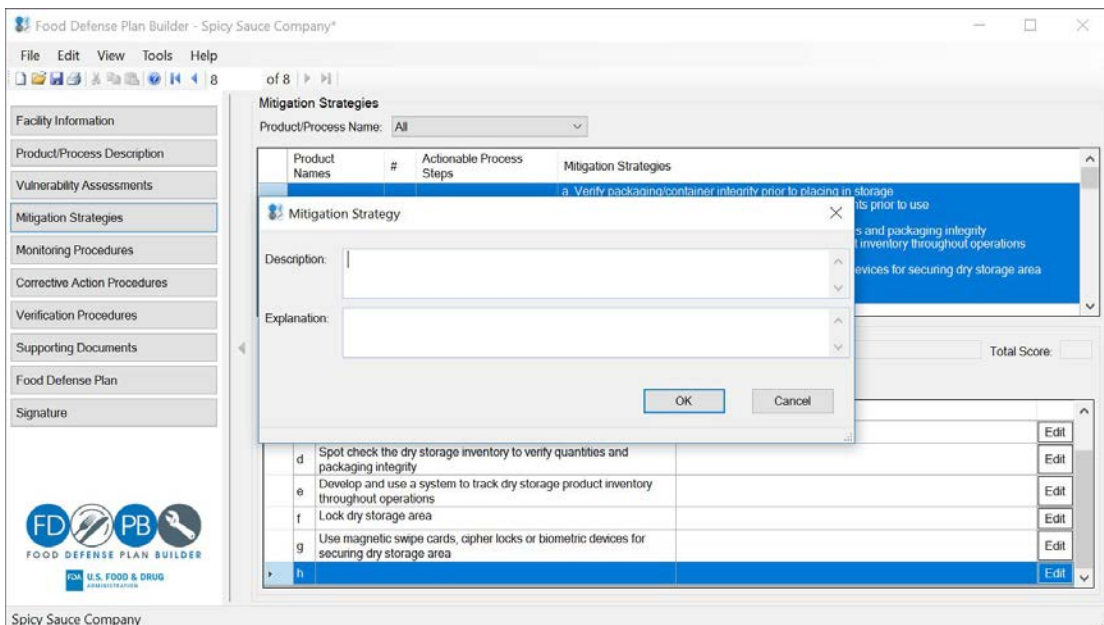


Figure 5-2: Enter Mitigation Strategy Manually

Adding Mitigation Strategies from FDA’s Food Defense Mitigation Strategies Database

The other way to enter mitigation strategies is via the FDMSD. To search for mitigation strategies from FDMSD click on the Search button. The **Search** button connects FDMSD and allows you to search for mitigation strategies to add to the selected actionable process step. Internet connection is needed to access FDMSD. The first time you click on the **Search** button, the FDPB will ask you to confirm that you would like to connect to the Internet. See Figure 5-3 below.

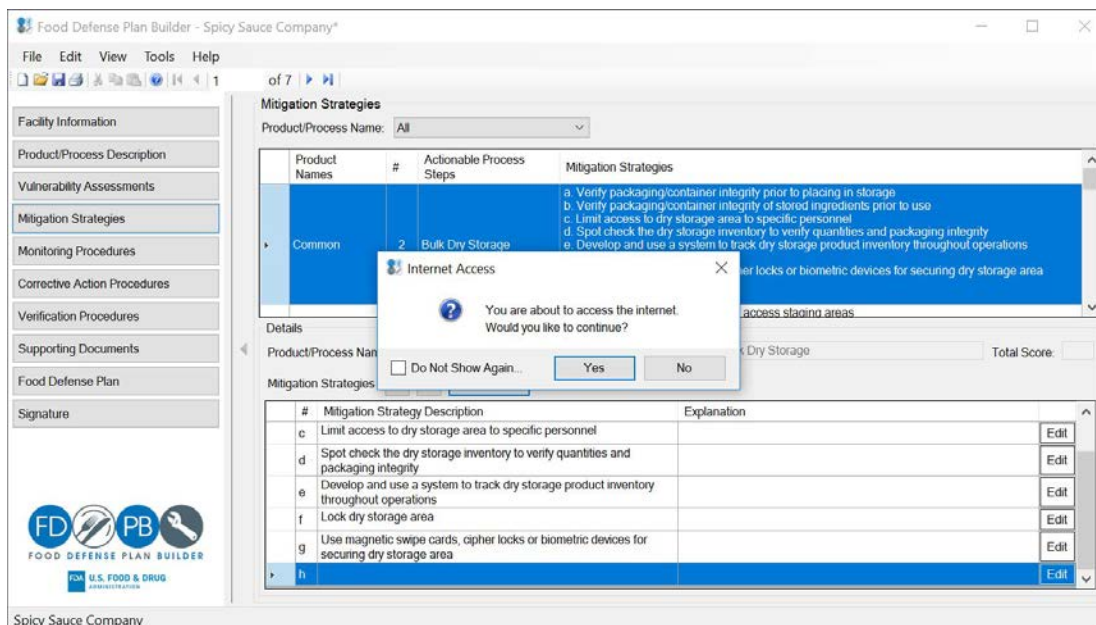


Figure 5-3: Internet Connection to FDA Mitigation Database

Click **Yes** to allow internet access. You can check the **Do Not Show Again** box to avoid seeing the **Internet Access confirmation** dialog box in the future. You can also turn this function on or off by going to the Tools Menu and checking or unchecking [Allow Internet Access](#).

Once you have granted internet access by checking yes, a **Mitigation Database Search Results** dialog box will display. The FDPB connects with the FDMSD and imports the strategies directly from the database into your food defense plan. Once successfully connected to the FDMSD, a new **Mitigation Strategies Database Search Results** dialog box will open. You can use the Lookup Tool on the left side or the **Search Engine Tool** on the right to search the FDMSD.

When using the **Lookup Tool**, select a **Category** and **Step** that best fits with the actionable process step selected and click on Search. If you used the Key Activity Types method and aligned the process step with one of the four key activity types, then the FDPB will automatically show that key activity type in the **Category** field. Click on **Search** to search the FDMSD. The total number of results found is shown at the bottom of the dialog box - "Items Found." Select the process step that best fits your specific process step as shown in Figure 5-4 by clicking on **Select**.

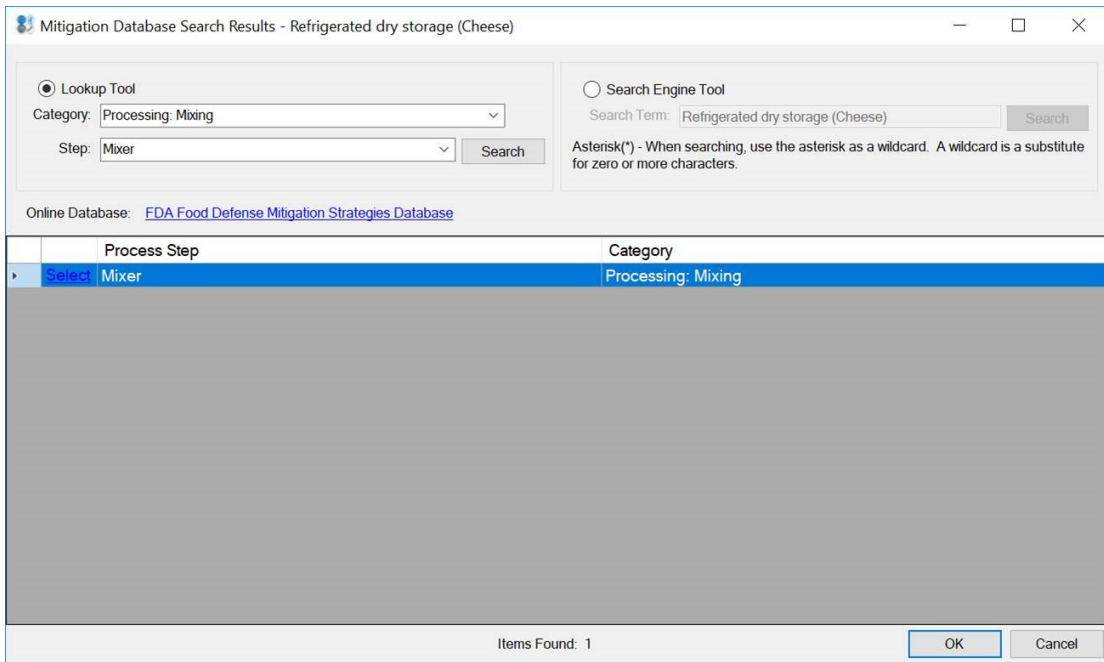


Figure 5-4: Mitigation Lookup Tool

When using the **Search Engine Tool**, the name of the actionable process step will automatically show in the Search Term field. Click on **Search** to search for process steps in FDMSD. The total number of results found is shown at the bottom of the dialog box - "Items Found." Select the process step that best fits your specific process step as shown in Figure 5-5 by clicking on **Select**.

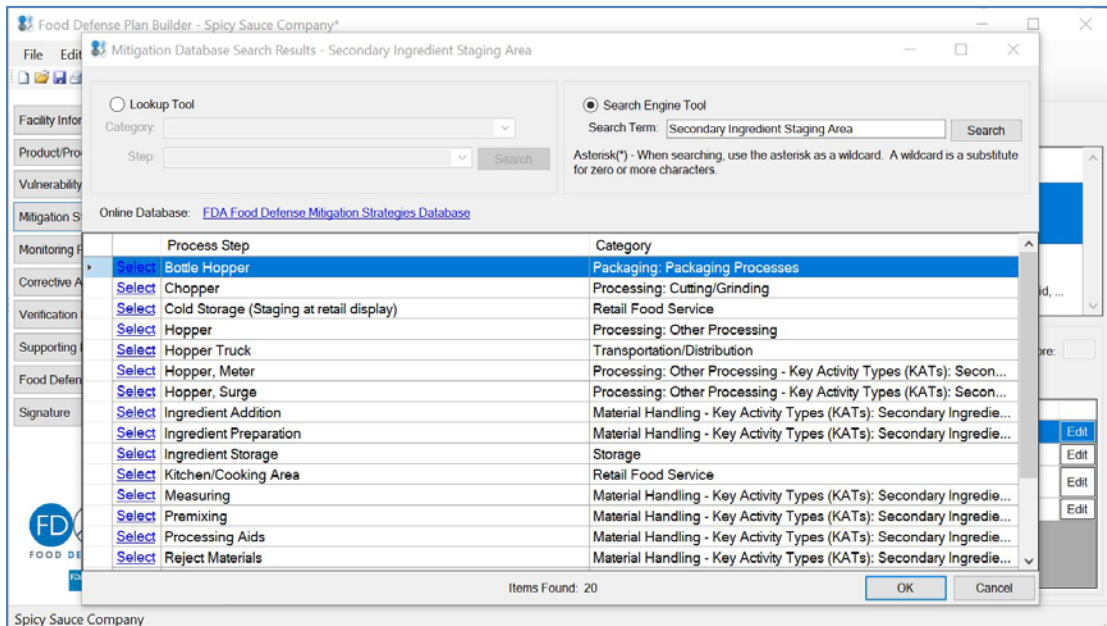


Figure 5-5: Mitigation Results from Search

When you click on **Select**, you will see a list of strategies that are associated with the selected process step. Figure 5-6 shows the list of strategies.

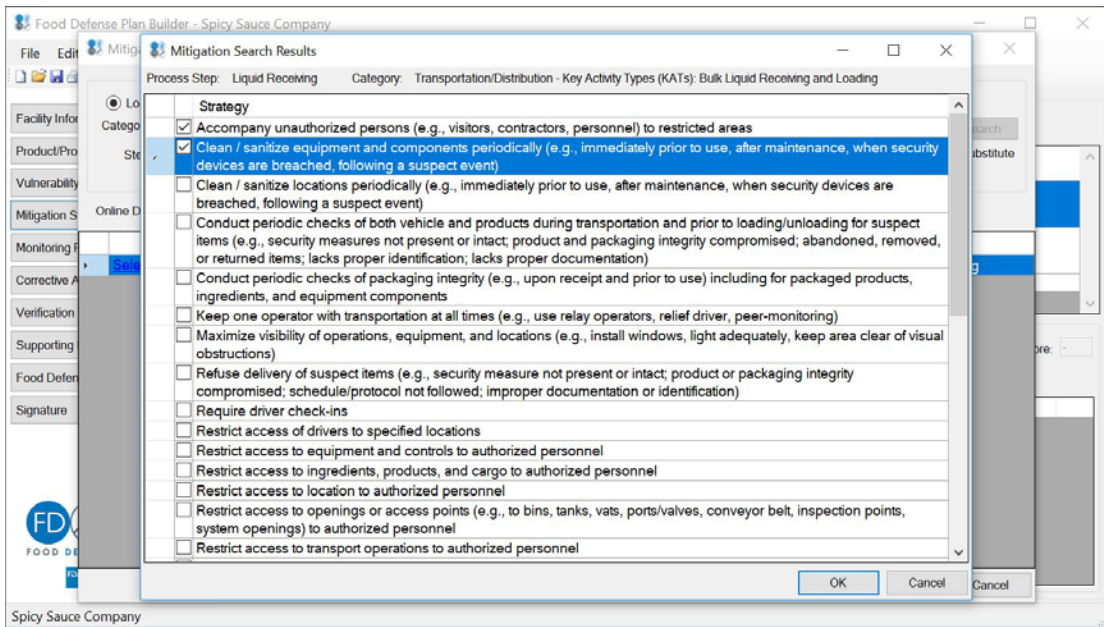


Figure 5-6: Mitigation Strategy Results from Search of the Process Step

Select the strategy(ies) that you would like to add to your food defense plan by checking the box(es) next to the strategy and click on OK. The selected strategy(ies) are displayed as a list as shown in Figure 5-7. Each strategy will be placed in a separate row with a unique number in the details pane.

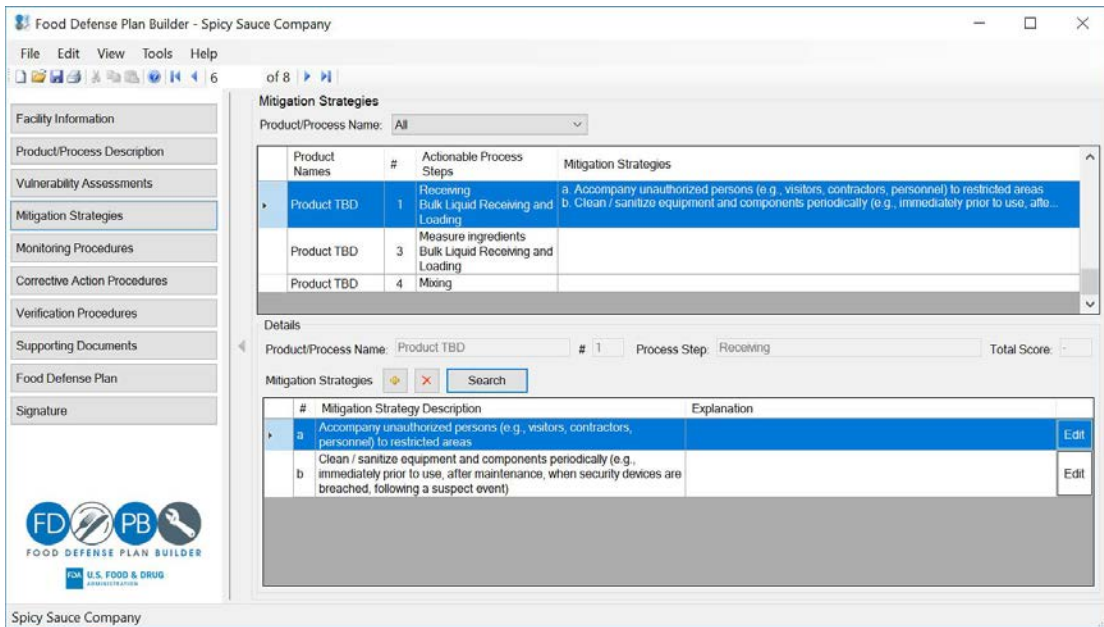


Figure 5-7: Mitigation Strategies Added for a Process Step

Chapter 6

Monitoring Procedures

Introduction

The Monitoring Procedures section of the FDPB allows you to identify and document monitoring procedures, the monitoring frequency, and the name(s) and stored location(s) of your monitoring records. The actionable process steps and mitigation strategies that were identified in the Vulnerability Assessment and Mitigation Strategies sections will automatically copy over to the Monitoring Procedures section. The Monitoring Procedures section is divided into two main sections. The top section contains a summary view of all of the actionable process steps, the associated mitigation strategies, and monitoring procedures. The bottom section contains the monitoring procedures details for the selected mitigation strategy(ies).

The top of the Monitoring Procedures section shows a summary of the actionable process steps and associated mitigation strategies for the Products/Processes selected. You can view All Product/Processes or to view one Process/Product at a time, click on the dropdown menu to select the Product/Process.

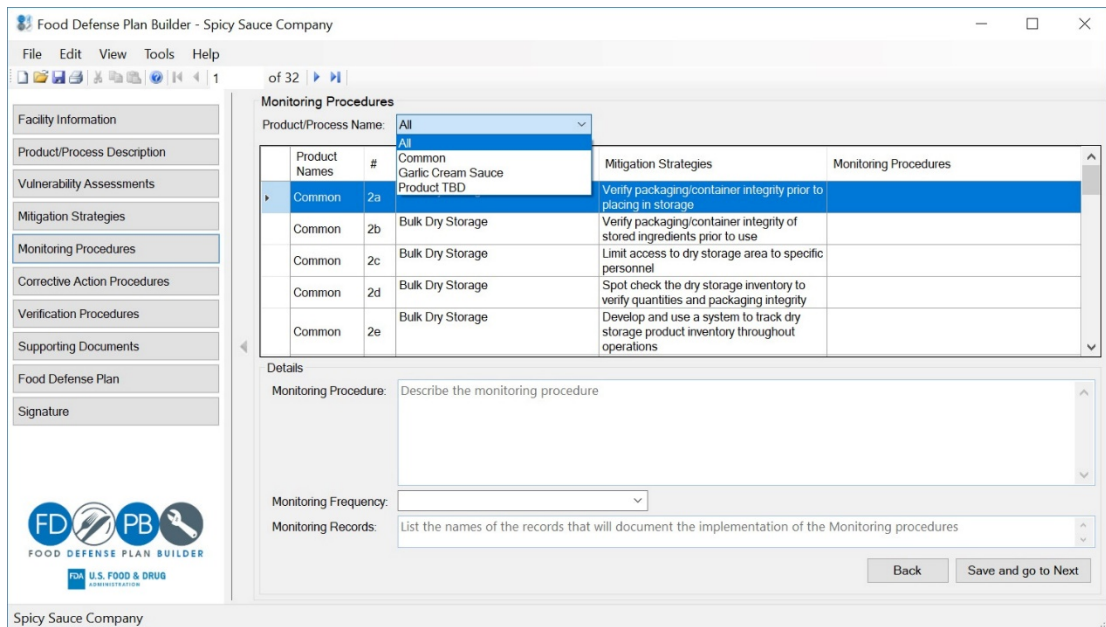


Figure 6-1: Filter Monitoring Procedures by Product

Documenting Monitoring Procedures

To enter monitoring procedure(s) for a mitigation strategy, select the mitigation strategy in the top pane. Then in the bottom details pane, type in the corrective actions procedures into the two text fields- **Identify and Correct the problem** and **Reduce the likelihood the program will recur (if applicable)**. There is also a field where you can include the name(s) and stored location(s) of corrective action implementation records. To save and go to the next mitigations strategy, click **Save and go to Next**. To go back to the previous mitigation strategy, click **Back**.

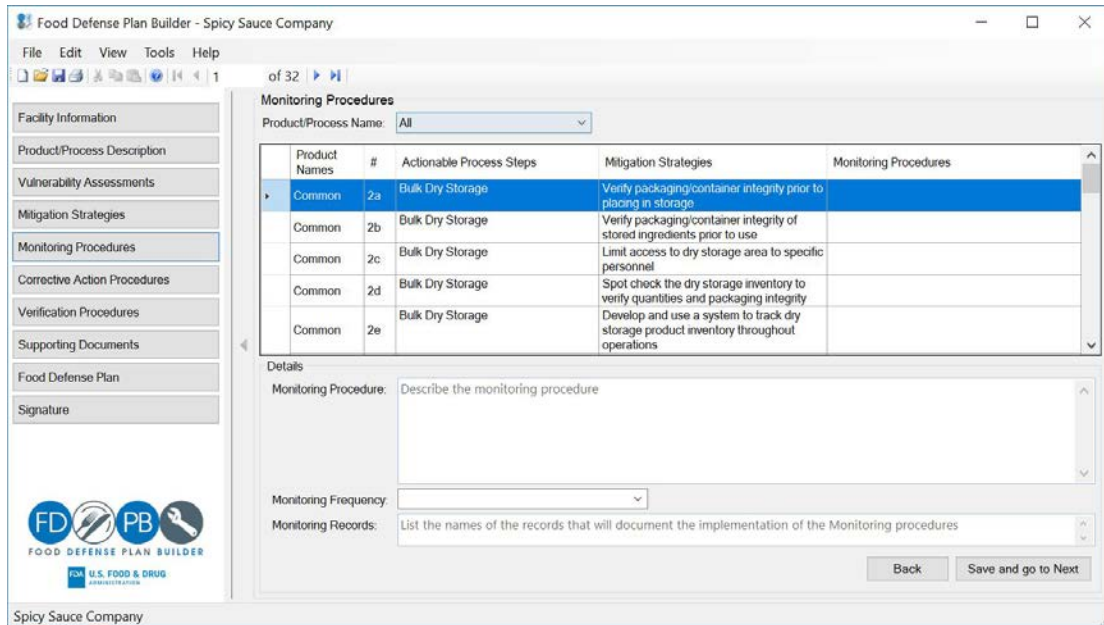


Figure 6-2: Monitoring Procedures

Chapter 7

Corrective Action Procedures

Introduction

The Corrective Action Procedures section of the FDPB allows you to identify and document corrective action procedures and the name(s) and stored location(s) of your monitoring records. The actionable process steps and mitigation strategies that were identified in the Vulnerability Assessment and Mitigation Strategies sections will automatically copy over to the Corrective Action Procedures section. The Corrective Action section is divided into two main sections. The top section contains a summary view of all of the actionable process steps, the associated mitigation strategies, and corrective action procedures. The bottom section contains the corrective actions procedures details for the selected mitigation strategy.

The top of the Corrective Actions Procedures section shows a summary of the actionable process steps and associated mitigation strategies for the Products/Processes selected. You can view All Product/Processes or to view one Process/Product at a time, click on the dropdown menu to select the Product/Process.

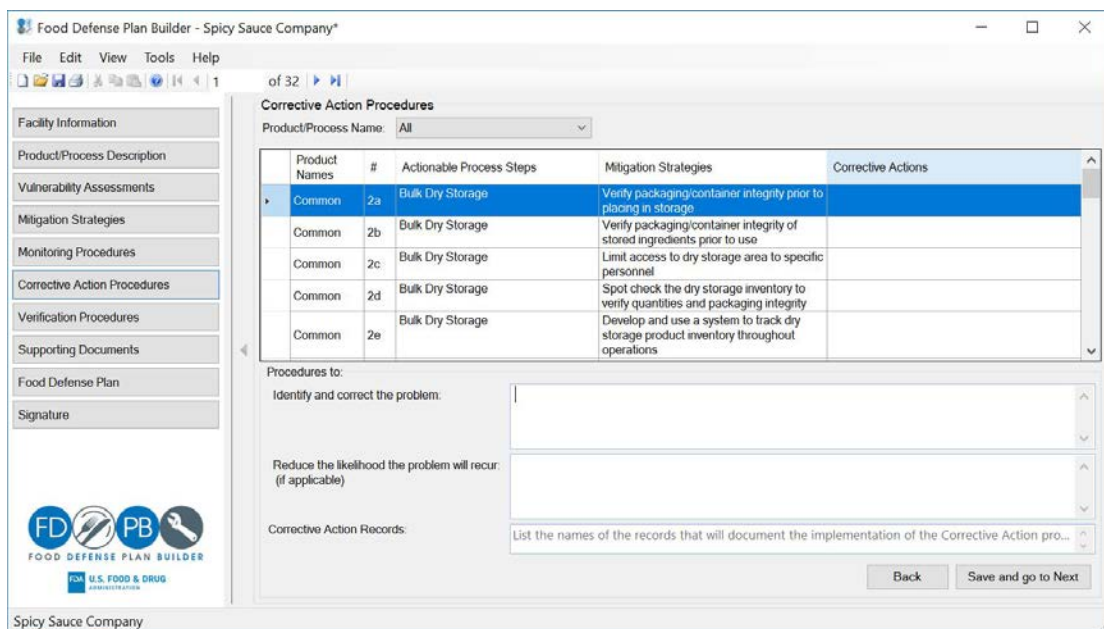


Figure 7-1: Corrective Actions

Documenting Corrective Action Procedures

To enter corrective action procedure(s) for a mitigation strategy, select the mitigation strategy in the top pane. Then in the bottom details pane, type in the corrective actions procedures into the two text fields- **Identify and Correct the problem** and **Reduce the likelihood the program will recur (if applicable)**. There is also a field to include the name(s) and stored location(s) of corrective action implementation records. To save and go to the next mitigations strategy, click **Save and go to Next**. To go back to the previous mitigation strategy, click **Back**.

Chapter 8

Verification Procedures

Introduction

The Verification Procedures section of the FDPB allows you to identify and document verification procedures and list the name(s) and stored location(s) of your verification records. The actionable process steps and mitigation strategies that were identified in the Vulnerability Assessment and Mitigation Strategies sections will automatically copy over to the Verification Procedures section. The Verification section is divided into two main sections. The top section contains a summary view of all of the actionable process steps, the associated mitigation strategies, and verification procedures. The bottom section contains the verification procedures details for the selected mitigations strategy.

The top of the Verification Procedures section shows a summary of the actionable process steps and associated mitigation strategies for the Products/Processes selected. You can view All Product/Processes or to view one Process/Product at a time, click on the dropdown menu to select the Product/Process.

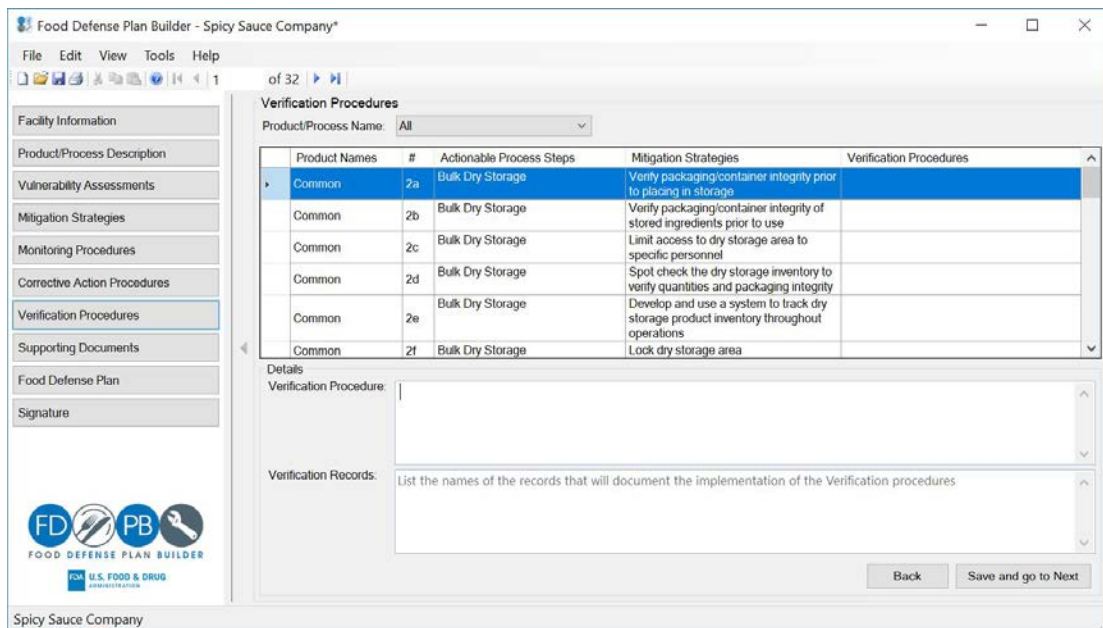


Figure 8-1: Verification Procedures

Documenting Verification Procedures

To enter verification procedure(s) for a mitigation strategy, select the mitigation strategy in the top pane. Then in the bottom details pane, type in the procedures and the records into the text fields. To save and go to the next mitigations strategy, click **Save and go to Next**. To go back to the previous mitigation strategy, click **Back**.

Chapter 9

Supporting Documents

Introduction

The Supporting Documents section allows you to add supporting documents to the food defense plan. Examples of supporting documents include flow diagrams, facility maps, recall plans, vulnerability assessments done outside of the FDPB, company-specific policies, etc. The supporting documents may be in almost any format – Microsoft Visio, Excel, Word, Project, PDF, etc. In addition, links or URLs may also be added and will appear on the list along with the other supporting documents. Figure 9-1 shows an example of a document and a link/URL that have been added.

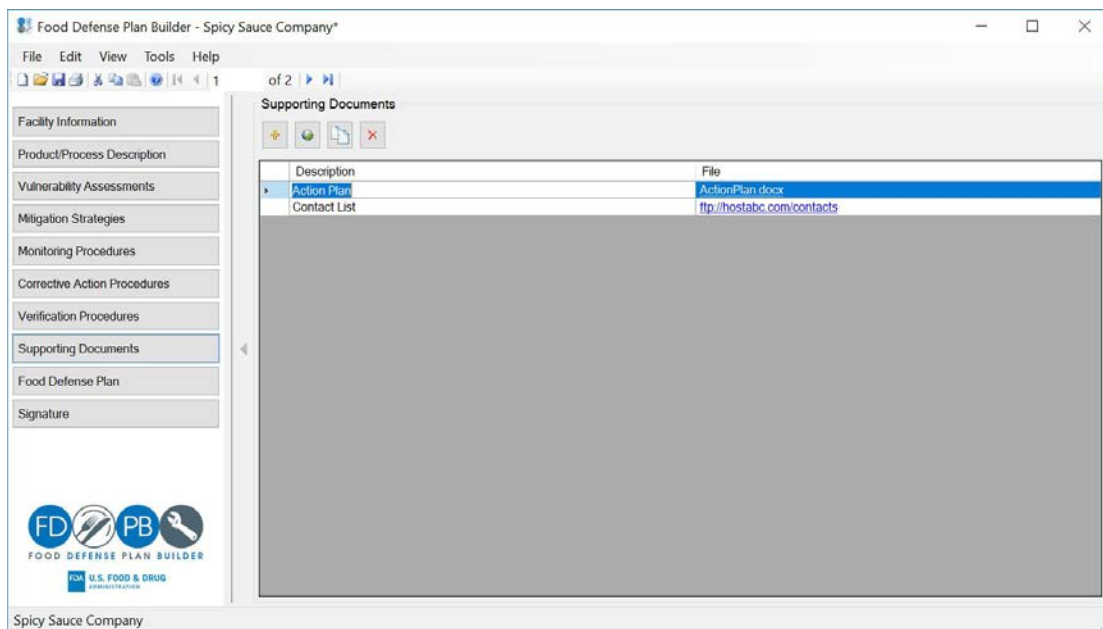


Figure 9-1: Supporting Documents Section

Supporting documents are saved in the Documents subfolder within the same folder/directory as your saved food defense plan (.fdp) file. Before adding documents, the food defense plan must be saved. Saving the food defense plan creates a food defense plan file (.fdp), and also creates a folder structure that includes one main folder and two subfolders. The main folder name is the name of your saved .fdp. The subfolders under the main folder are **Documents** and **SignedPlans** (See Figure 9-2). Supporting documents added to the plan are saved in the **Documents** subfolder.

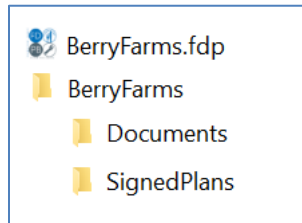



Figure 9-2: Folder Structure

Adding A Supporting Document

Click the add icon  to add a supporting document. The **Add Document** dialog box will open (see Figure 9-3). The **Add Document** dialog box includes a text field for **Description** where you can enter a description of the file. Then click on **Select File** to choose the file that you would like to add. Use the **Subfolder** field to either create a new subfolder or save the added document in an existing subfolder. New subfolders will be created under the **Document** subfolder. Click on **OK** to add the document. Note that only the filename and description are printed in the food defense plan.

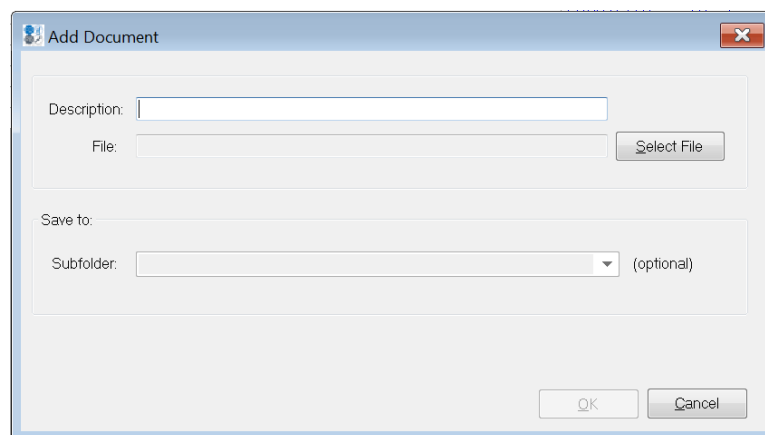



Figure 9-3: Add Supporting Documents

Adding a Link or URL

Click on the  icon to add a link/URL. The Add URL dialog box will open (see Figure 9-4). Enter a valid link/URL. It must start with either `http://`, `https://`, `ftp://`, or `file://`. Enter a description for the link/URL and click on **OK** to add the link/URL to your food defense plan.

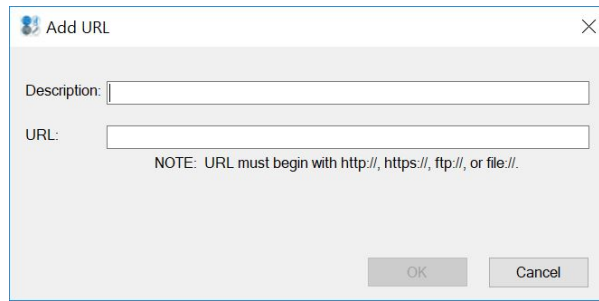


Figure 9-4: Add URL

After a document or link/URL is added, it will show in Supporting Documents table as shown in Figure 9-5. The text in the **Description** column can be edited directly in the table.

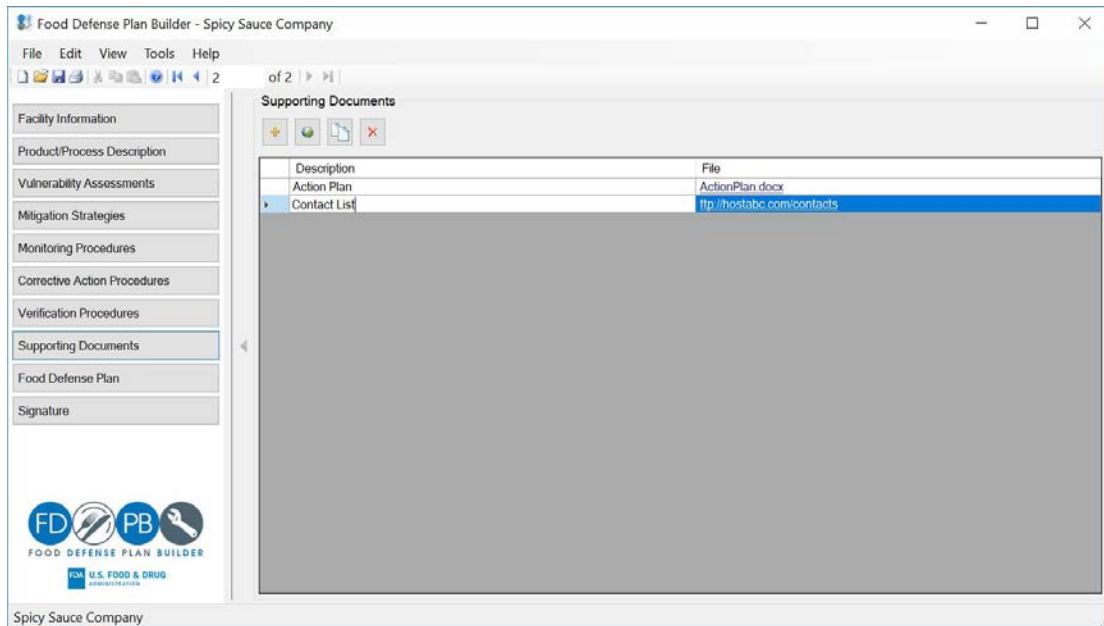





Figure 9-5: Supporting Documents Table

Copy Supporting Documents

The FDPB includes a function to copy multiple documents from an existing folder on your computer into the Supporting Documents section. Click on the copy icon  to add multiple supporting documents at a time. The Copy Documents dialog box will open. On the left pane, chose the source directory/folder where you want to copy files from. Click on the expand arrow  to see all of the files that are in that folder. Then select the files that you want to copy into the food defense plan. Hold down the **Shift** key on your keyboard to select multiple file names. Click on the right arrow button  to move the files over into the right pane. The right pane contains the destination directory. By default, the food defense plan's **Documents** folder is selected as the destination. Click on the **OK** button to complete the copying.

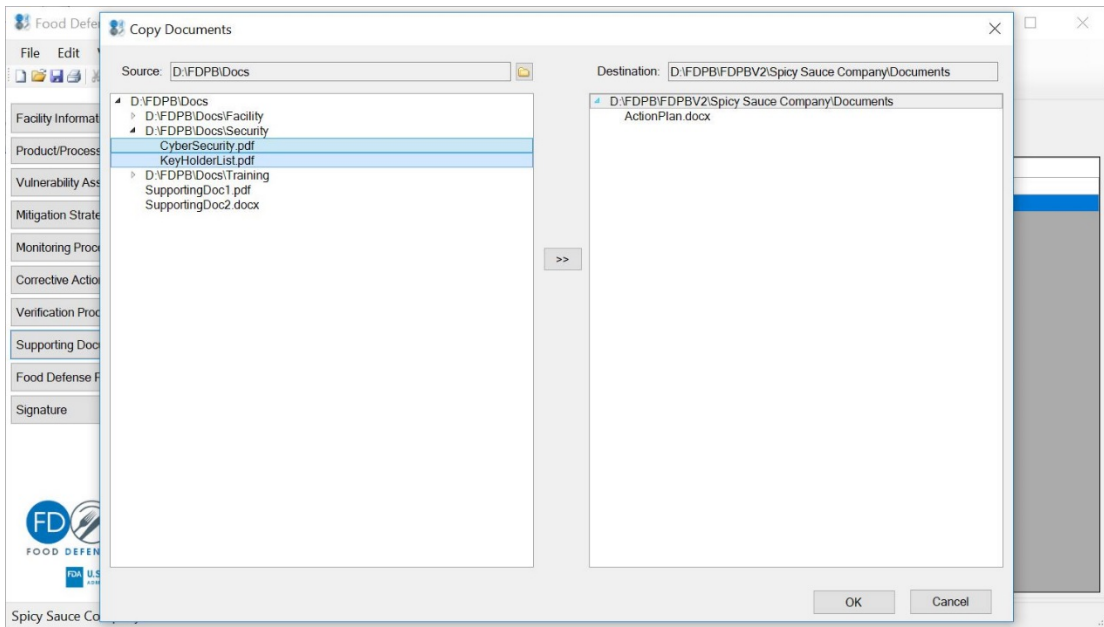


Figure 9-6: Copy Documents

Another way to copy or delete supporting documents is using Windows File Explorer. To copy supporting documents using File Explorer, open up two instances of Windows File Explorer. In one instance of File Explorer (Source), find the files that you want to be copied into your food defense plan. In the other instance, find the food defense plan folder and open up the Documents subfolder. Copy the files and/or folders to the destination directory by either using the Copy and Paste functionality or drag and drop the files from the source folder into the Documents subfolder.

Refresh the Supporting Documents section by clicking to any another section and then click back to the Supporting Documents to refresh the supporting documents list.

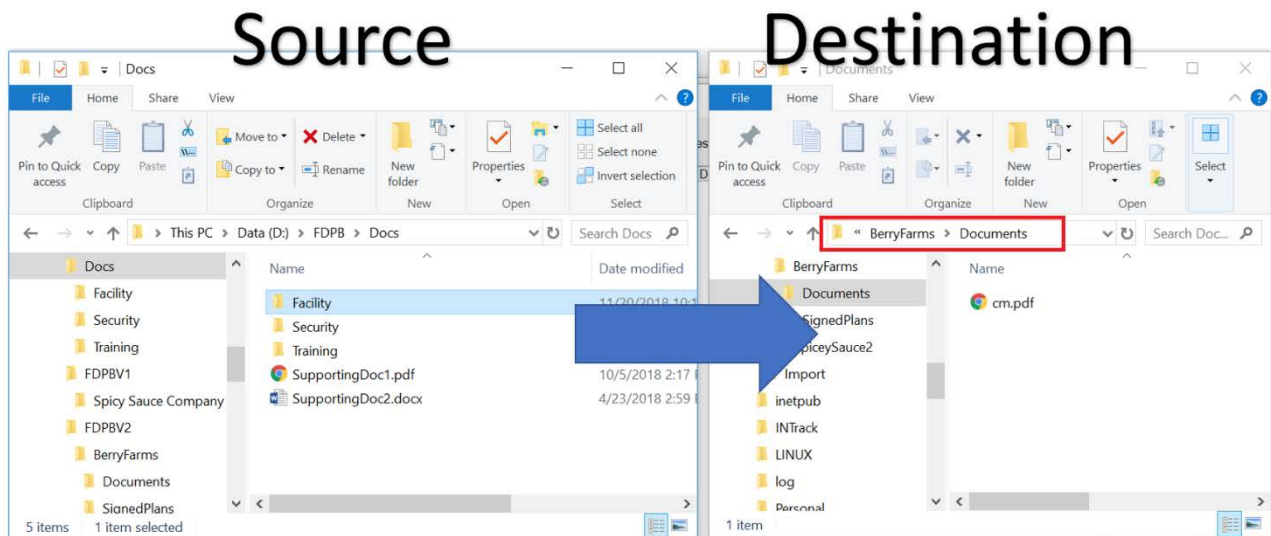



Figure 9-7: Copy Documents Using File Explorer

Deleting Supporting Documents

To delete a document or a link/URL, select the row of the document or link/URL and click on the delete button  to remove it. The FDPB will display a warning message as shown in Figure 9-8. You can also delete files from the Documents folder by using the Windows File Explorer.

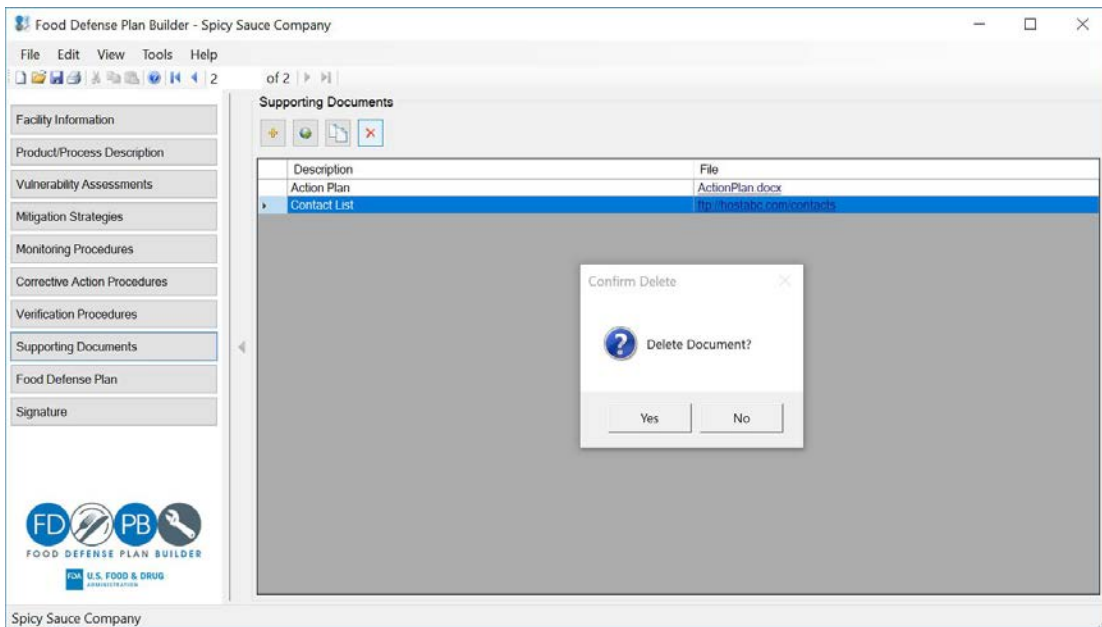


Figure 9-8: Delete Supporting Document

Chapter 10

Food Defense Plan

Introduction

The content entered into the FPB is automatically compiled into a food defense plan report. The Food Defense Plan section allows you to view, save, and print your food defense plan report.

When you click on the Food Defense Plan section, the **Custom Food Defense Plan** dialog box will open. From there you can select the Product/Process Name and the Sections to include in your food defense plan report.

Customizing a Food Defense Plan

The **Custom Food Defense** dialog box allows you to choose the Product/Process Name and the Sections of the plan that you want to include in your food defense plan report. The Custom Food Defense dialog box has three main sections: the toolbar, the section selector, and the report.

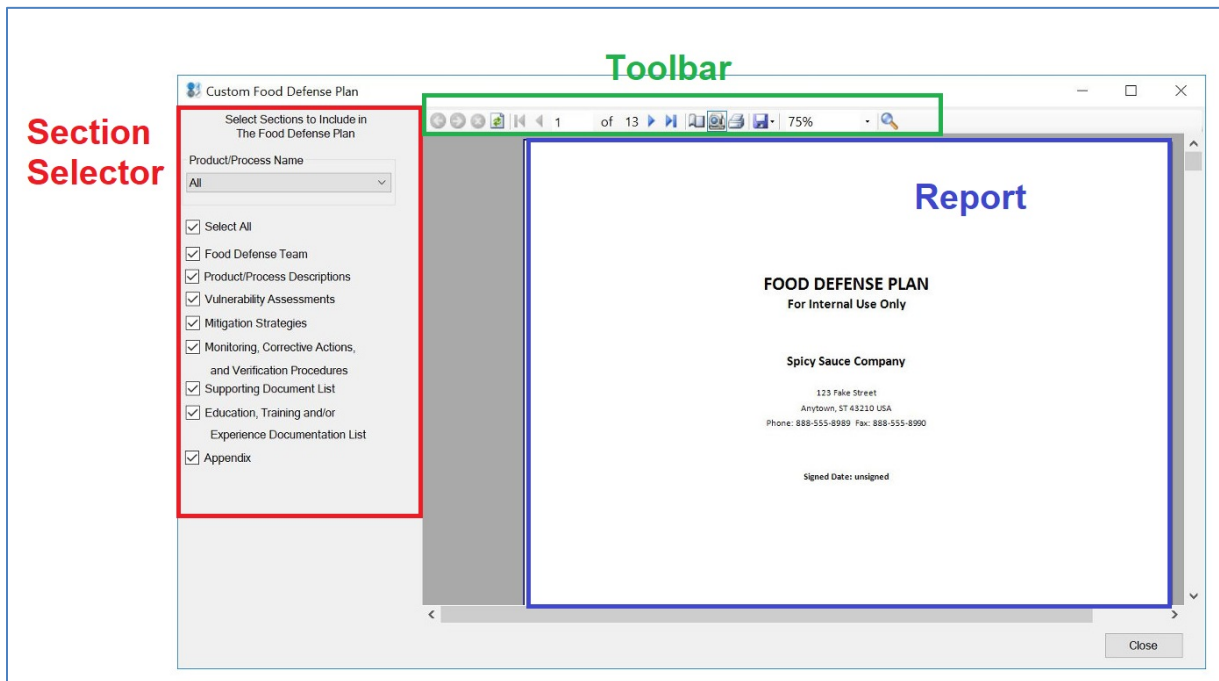


Figure 10-1: Custom Food Defense Plan Layout

Food Defense Plan Toolbar

The items in the toolbar in Figure 10-1 are as follows, from left to right:

- **Navigate History** – not used.
- **Refresh** - This reloads the food defense plan.
- **Navigation** – The arrow icons allows you to proceed forward or backward through the pages of the food defense plan. The arrow icons with a vertical line will place you on the first or last page, respectively.
- **Page Setup** – Allows you to set the parameters, such as margins and page orientation to be used when the food defense plan is printed.
- **Page/Interactive Layout** – By default, the food defense plan report is shown in print preview view and shows how the document will look, including what content is on each page, when it is printed. You can switch the view of the food defense plan report from print preview view to an interactive layout view by clicking on this button.
- **Printer** – Allows you to print the food defense plan report. A Print dialog box will open.
- **Save/Export** – Allows you to save or export the food defense plan report into Microsoft Excel, Microsoft Word, or PDF format. Follow the prompts to save the food defense plan report.
- **Scaling** – Use the dropdown options to increase or decrease the scale and size of the food defense plan report within the **Custom Food Defense Plan** dialog box.
- **Find** – Type the text you wish to search for and then select Find. Use the Next icon to find the next instance of the entered search text.

Food Defense Plan Section Selector

Use the Food Defense Plan Section Selector to choose which sections you would like to include in the food defense plan report. By default, the FDPB generates a food defense plan coversheet as the first page of the report. The FDPB also automatically includes content about the facility from the **Facility Information** section as the second page of the report.

The Product/Process Name dropdown menu allows you select whether you want to include all of the Products/Processes in the food defense plan report or if you only want one specific Product/Process to be included in the report.

Under the dropdown menu, you can check whether you want to select all of the sections the FDPB to be included in the food defense plan report or select only a subset of sections.

Select All – By default the Select All checkbox is checked. To unselect all, click on the checkbox to uncheck it or you can select the individual sections that you want to include in the report by clicking on the respective checkbox.

Food Defense Team – The Food Defense Team information that you entered in the Facility Information section of the FDPB shown in a table form.

Product/Process Descriptions – The information that you entered in the Product/Process Description section of the FDPB shown in a table form.

Vulnerability Assessments – The information that you entered in the Vulnerability Assessment section of the FDPB shown in a table form. If you chose to Select All of the Product/Process Names, then there will be a separate table for each Product/Process Name. The tables are sorted by process step number with the lowest number listed first.

Mitigation Strategies – The information that you entered in the Mitigation Strategies section of the FDPB shown in a table form. If you chose to Select All of the Product/Process Names, then there will be a separate table for each Product/Process Name. The tables are sorted by process step number with the lowest number listed first.

Monitoring, Corrective Action, and Verification Procedures - These three sections are compiled into one single table within the food defense plan report. The information that you entered in the Monitoring, Corrective Action, and Verification Procedures sections of the FDPB shown in a table form. If you chose to Select All of the Product/Process Names, then there will be a separate table for each Product/Process Name. The tables are sorted by process step number with the lowest number listed first.

Supporting Document List – The description(s) and file name(s) for the document(s) that you uploaded in the Supporting Documents section of the FDPB shown in a table form. Note that the actual documents will not be printed with your food defense plan report, only the list. You will have to open and print each supporting document separately.

Education, Training and/or Experience Documentation List- The list of documentation that you uploaded in for the Food Defense Team under the Facility Information section shown in a table form. Note that the actual documents will not be printed with your food defense plan report, only the list. You will have to open and print each supporting document separately.

Appendix – If you used the 3 elements method for any of the process steps in the Vulnerability Assessment section, the calculations from the Element 1 and Element 3 calculators will appear in the appendix.

Report Header

The food defense plan report will automatically have the Facility Name, Company Name, Signed Date, and Page number at the top of each page. In addition to those default headers, you can include a custom report header to the coversheet of your printed food defense plan report or at the top of each page. To set the report header, go to the **Tools** menu and select **Print Report Header**. (See Figure 10-2) Clicking on **Print Report Header** opens up a separate dialog box where you have the option to type in text for the header and select whether you want the header to be printed on just the cover sheet or on all pages of the food defense plan. Figure 10-4 shows an example of a report header in a FDP report.

The pre-filled text is “For Internal Use Only” and by default both Print on Report Header on Coversheet and Print on Report Header on all pages is checked. Note that if you uncheck this option, then the functionality will be turned off when you open the FDPB in the future.

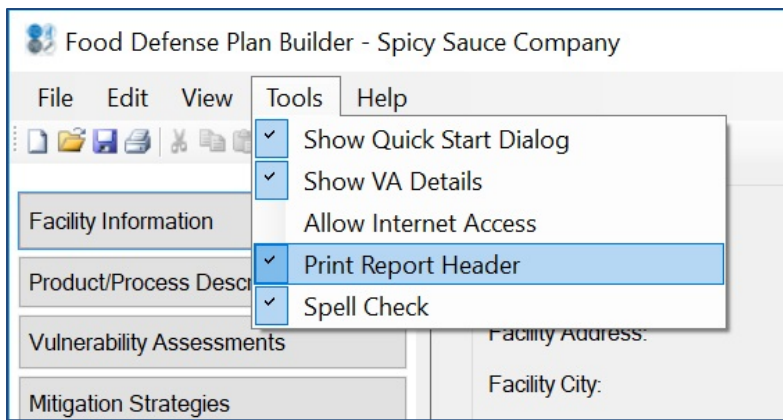


Figure 10-2: Print Report Header Menu

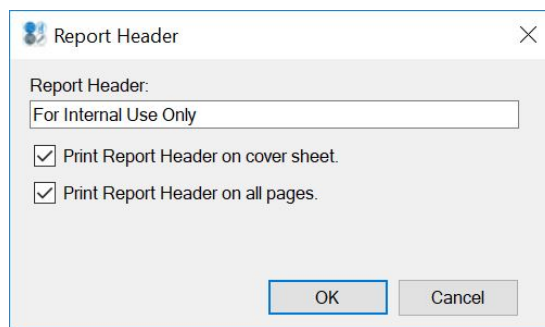


Figure 10-3: Report Header Dialog Box

An example of a report header being included is shown in the report below.

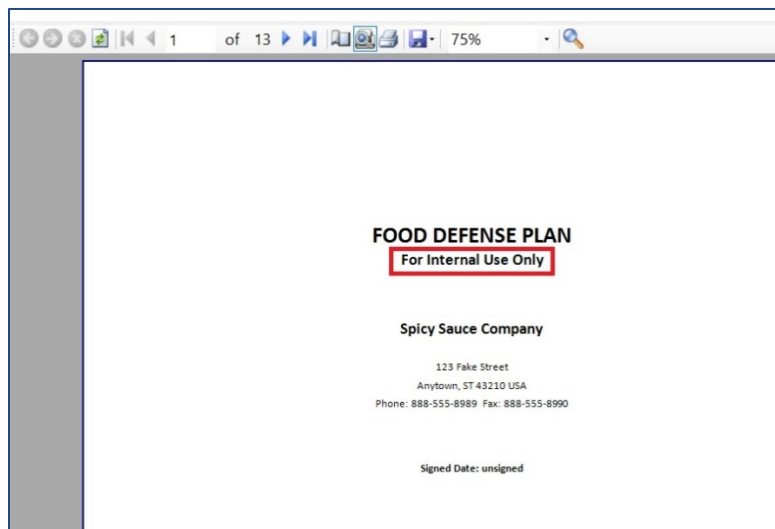


Figure 10-4: Report Header Example

Chapter 11

Signature

Introduction

The Signature section allows you to sign your food defense plan (FDP). It also allows you to keep a log and a copy of the signed versions of your FDP. You can view the signed versions in view only mode, or you can export the signed food defense plan to create a new .fdp file.

The export function allows you to copy content from the signed food defense plan into a new file that is editable and unsigned. You may want to use this function if you are creating a new food defense plan but want to copy over the content from the signed plan.

The Signature section is divided into three main areas: Electronic Signature, the Manual Signature, and Signed Documents. (See Figure 11-1).

The screenshot shows the 'Food Defense Plan Builder - Spicy Sauce Company' application. The 'Signature' section is active, displaying options for 'Electronic Signature' and 'Manual Signature'. The 'Signed Documents' table is visible on the right.

		Food Defense Plan Name and Comments	Signature	Date & Time	
	View	Export	Spicy Sauce Company	Bob John	08/04/19 11:42 AM

Figure 11-1: Signature

Electronic Signature

To sign a FDP using an electronic signature, click the **I Agree** checkbox, enter comments, and type in the signatory's name in the **Electronic Signature** field. A **Confirm Signature** dialog box will show to confirm the electronic signature. (See Figure 11-2). Use the comment box to enter any comments or notes about the version of FDP that is being signed. This may be helpful if you made specific changes to the FDP and want to document those changes. Click on the **Yes** button to confirm and apply the electronic signature.

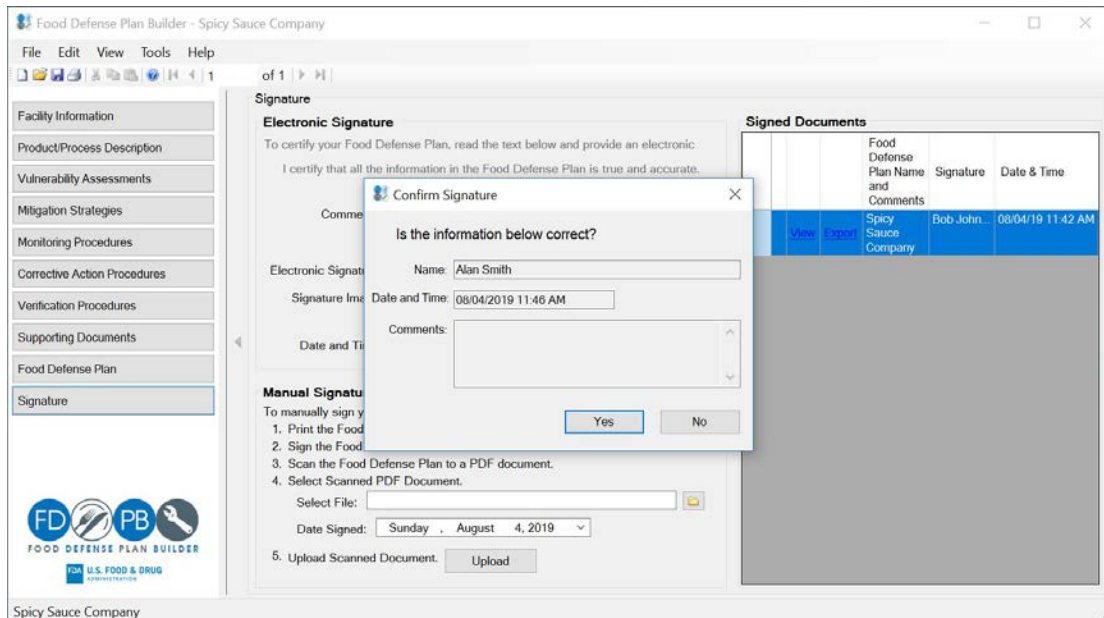


Figure 11-2: Electronic Signature

You can also sign the FDP by uploading an image of a signature. Click on the folder button next to **Signature Image**. A **Load Signature Image** dialog box will appear. To prepare an image of a signature for loading, use Microsoft Paint or another program to crop the image of the signature to the size shown in the **Load Signature Image** dialog box (see Figure 11-3 below) and save the file. Click on **Select File** to select the file to upload. You will see a preview of the Signature Image in the **Signature Image** box. Click Ok to apply the Signature Image.

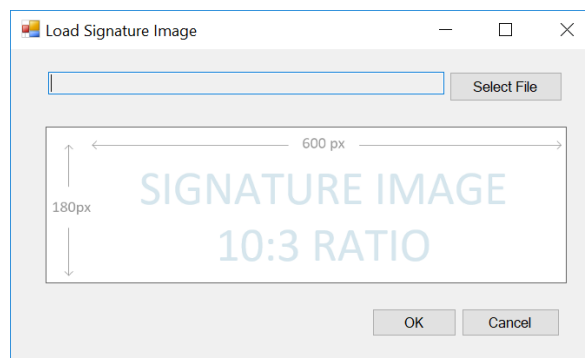

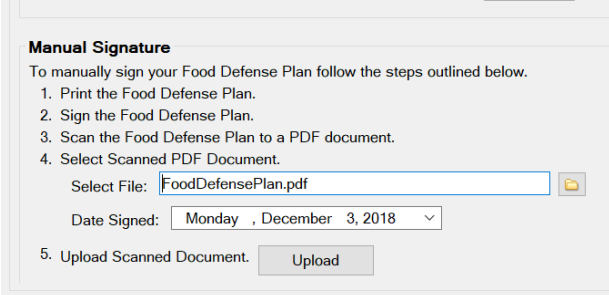


Figure 11-3: Signature Image


Manual Signature

To sign a FDP using the manual signature function, print the FDP and manually sign the document. Then scan the signed copy of the FDP and save it in PDF format. Click on the  folder icon and select the saved file. Select a signed date and click on **Upload** to upload the PDF file.



Manual Signature
To manually sign your Food Defense Plan follow the steps outlined below.

1. Print the Food Defense Plan.
2. Sign the Food Defense Plan.
3. Scan the Food Defense Plan to a PDF document.
4. Select Scanned PDF Document.


Select File: 

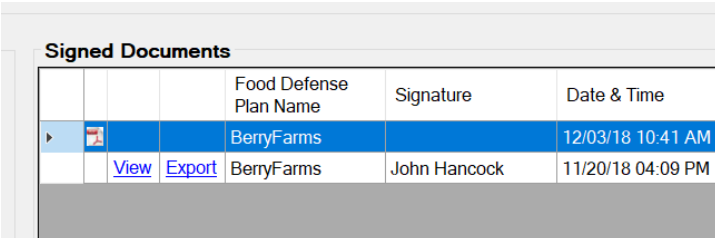
Date Signed:

5. Upload Scanned Document.

Figure 11-4: Manual Signature

Signed Documents

Signed documents are logged and kept in the Signed Documents list. If a signed food defense plan was manually uploaded, a PDF icon is displayed in the first column of the list. Click on the PDF  icon to view the signed plan. If a FDP is signed using the electronic signature option, you can view the plan by clicking on **View**.




		Food Defense Plan Name	Signature	Date & Time
		BerryFarms		12/03/18 10:41 AM
View	Export	BerryFarms	John Hancock	11/20/18 04:09 PM

Figure 11-5: Signed Documents

If you click on **View**, a new instance of the FDPB will open with a view only copy of your signed food defense plan. Note that you can only edit the Facility Information and Supporting Documents sections when viewing a signed food defense plan. The **Export** function allows you to export a copy of the signed food defense plan that can be edited; however, the exported plan will not have the signature applied. When you click on **Export**, a **Copy Food Defense Plan** dialog box will open. You must save the exported FDP in the directory where you want the new FDP to be saved by selecting the directory and typing in a filename. After you click **OK**, a new FDPB window will open with the exported plan. You may now edit the new unsigned FDP.