**Department of Veterans Affairs**



Pharmacy Reengineering

Pharmacy Product System (N)

Version 3.0

User Story

Add Fields to Monitor Product Hazardous Waste Status

Revision History

|  |  |  |  |
| --- | --- | --- | --- |
| Date | Version | Description | Author |
| 08/12/2015 | 1.1 | PBM Approval | W. Cobb |
| 04/27/2015 | 1.0 | Initial creation | W. Cobb |

# Card

**RTC Story Artifact ID**: [161191](https://DNS/ccm/web/projects/PHARM%20%28CM%29#action=com.ibm.team.workitem.viewWorkItem&id=161191) **RTC Story Type:** Epic

**RTC Story Headline**: Add Fields to Monitory Product Hazardous Waste Status

**PWS Requirement:** Add fields to monitor the hazardous waste status of a VA product. Including the addition of these fields to VistA file #50.68.

**Product Owner:**

***Alternate:***

**Status:**  Approved

# Story Description

As a PPS-N User, I want to add the fields that identify the hazardous waste status of VA products to PPS-N and VistA so that I am able to track the hazardous waste status in both PPS-N and VistA.

# Workflow/Discussion

* As a PPS-N User, I want to add the fields that identify the hazardous waste status of VA products to PPS-N and VistA so that I am able to track the hazardous waste status in both PPS-N and VistA.
* I navigate to Manage PPS tab, select a product, and can see the following fields on the Administration Data tab:
  + Hazardous to Handle
  + Hazardous to Dispose
    - Primary EPA
    - Waste Sort Code
    - DOT Shipping Name
* I have read-only access to these fields if I am logged in as a Migrator or Viewer role.
* I have edit access to these fields if I am logged in as a Manager, Second Approver, or Supervisor role.
* I can also edit these fields and their values on the A-Z tab.
* For the fields Hazardous to Dispose and Hazardous to Handle, I can indicate whether the value for the field is true or false (Boolean).
* If I indicate that the product is Hazardous to Dispose, I am able to enter values for Primary EPA, Waste Sort Code, and DOT Shipping Name.
  + The Primary EPA is a text field of up to 50 characters.
  + The Waste Sort Code is a text field of up to 50 characters.
  + The DOT Shipping Name is a text field of up to 50 characters.
* If I indicate that a product is not Hazardous to Dispose after previously indicating that the product was Hazardous to Dispose and entered values for Primary EPA, Waste Sort Code, and/or DOT Shipping Name, the values for Primary EPA, Waste Sort Code, and/or DOT Shipping Name will remain, but the fields will be grayed out and unable to be edited.
* If a product that is not Hazardous to Dispose but has values for Primary EPA, Waste Sort Code, and/or DOT Shipping Name is marked as Hazardous to Dispose, the values for Primary EPA, Waste Sort Code, and/or DOT Shipping Name are available for editing.
* The Hazardous to Handle field will be initially populated at the Product level based on the following algorithm:
  + - The system shall retrieve drugs classified as Hazardous to Handle from the Drug column in the “Sample List of Drugs that Should be Handled as Hazardous” table of the “NIOSH List of Antineoplastic and Other Hazardous Drugs in Healthcare Settings 2014” document, located at <http://DNS/niosh/docs/2014-138/pdfs/2014-138.pdf> (referred to as NIOSH PDF).
      * 2012 NIOSH csv from VistA Innovations project



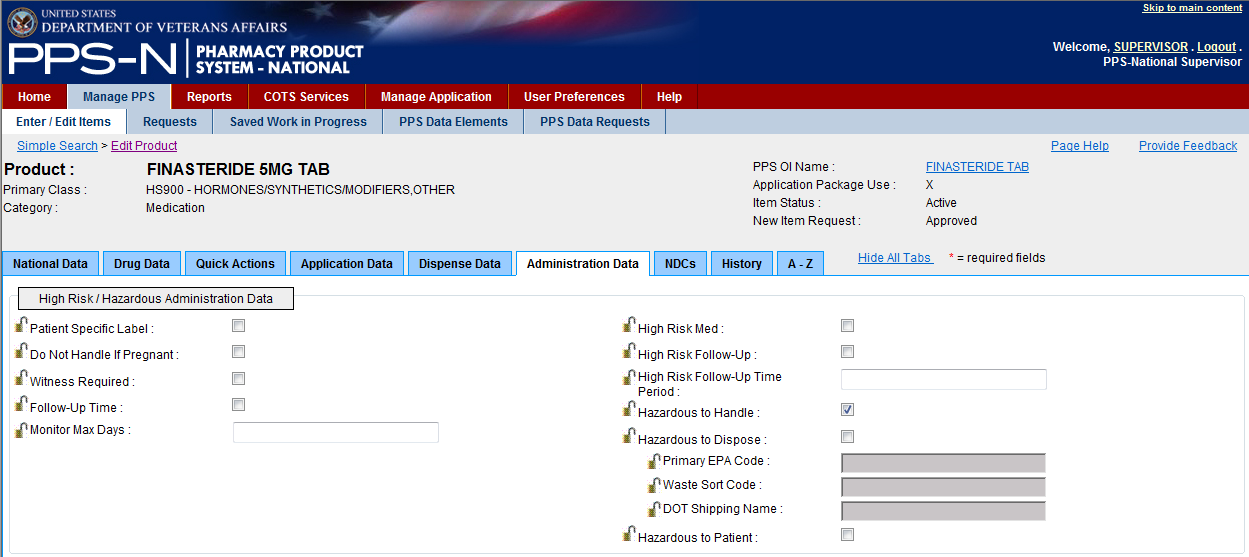
* + - The system shall perform a primary search for a drug Trade Name from the NIOSH PDF using a “contains” search on Synonym in the the PPS\_N Enterprise Product (EPL) database.
    - If the Synonym search yields resulting matches to drug(s) in the PPS\_N EPL database, then for all resulting matches, the system shall set the value of the Hazardous to Handle field to True (checked) at the Product level.
    - The system shall perform a secondary for the same drug Trade Name from the NIOSH PDF using a “contains” search on VA Product Name.
    - If the VA Product name search yields resulting matches to drug(s) in the PPS\_N EPL database, then for all resulting matches, the system shall set the value of the Hazardous to Handle field to True (checked) at the Product level.
    - When a drug (Trade Name) loaded from the NIOSH PDF does NOT match any drug at the PPS-N Product level either by primary or secondary search, the system will log the drug in an Output Exception Report file for manual inspection.
* I can view an Output Except file that lists the drug Trade Names that don’t find a match in PPS-N
* The Hazardous to Dispose field will be populated based on the following algorithm:
  + - * + The system shall retrieve drugs classified as Hazardous to Dispose from the EPA STERICYCLE Rx WASTE CHARACTERIZATION spreadsheet, Formulary Summary tab (referred to as STERICYLE spreadsheet).
* EPA STERICYCLE Rx WASTE CHARACTERIZATION spreadsheet
* 
* Note that the latest version of the Stericycle spreadsheet should be used – this is the most current version we have as of 8/12/2015.
* STERICYLE Spreadsheet from VistA Innovations project
* 
  + - * + The system shall perform a primary search for a drug NDC code from the STERICYCLE input file using an NDC search in the PPS\_N Enterprise Product (EPL) database.
        + If the search on NDC yields an exact match to an NDC code in the PPS‑N EPL database, the system shall set the value of the Hazardous to Dispose field to True (checked) at the Product level, and populate the corresponding Primary EPA Code, Waste Sort Code and DOT Shipping Name fields, and identify the Generic Name for the product.
        + The system shall perform a secondary “contains” search for the drug Generic Name in the PPS\_N EPL database.
        + If the Generic Name search yields resulting matches to drug(s) in the PPS\_N EPL database, then for all resulting matches, the system shall set the value of the Hazardous to Dispose field to True (checked) at the Product level, and populate the corresponding Primary EPA Code, Waste Sort Code and DOT Shipping Name fields, and identify the Synonym for each product found.
        + The system shall perform a tertiary “contains” search on Synonym in the PPS\_N EPL database for each product.
        + If the Synonym search yields resulting matches to drug(s) in the PPS\_N EPL database, then for all resulting matches, the system shall set the value of the Hazardous to Dispose field to True (checked) at the Product level, and populate the corresponding Primary EPA Code, Waste Sort Code and DOT Shipping Name fields.
        + If the primary search for an NDC code yields NO exact match to an NDC code in the PPS\_N EPL database, the system will perform a secondary search for the drug’s Product name from the STERICYCLE input file using a “contains” search on Synonym in the PPS\_N EPL database.
        + If the Synonym search yields resulting matches to drug(s) in the PPS\_N EPL database, then for all resulting matches, the system shall set the value of the Hazardous to Dispose field to True (checked) at the Product level, and populate the corresponding Primary EPA Code, Waste Sort Code and DOT Shipping Name fields, and identify the Generic Name for each product found.
        + The system shall perform a tertiary “contains” search on Generic Name in the PPS\_N EPL database for each Generic Name identified.
        + If the Generic Name search yields resulting matches to drug(s) in the PPS\_N EPL database, then for all resulting matches, the system shall set the value of the Hazardous to Dispose field to True (checked) at the Product level, and populate the corresponding Primary EPA Code, Waste Sort Code and DOT Shipping Name fields.
        + When a drug NDC or Product Name loaded from the STERICYLE input file does NOT match any drug in the target PPS\_N EPL database, the system will log the NDC, Product Name, Primary EPA Code, Waste Sort Code and DOT Shipping Name in an Output Exception Report file for manual inspection.
* I can view an Output Except file that lists the NDC, Product Name, Primary EPA Code, Waste Sort Code and DOT Shipping Name for each drug NDC or Product Name in the STERICYCLE file that doesn’t find a match in PPS-N.
* When an Update File is created by scheduled process or I use the Create Update File option on the Manage Update Files page, these fields are included in the Update File.

Note: See related user story VistA Add Hazardous Waste Status Fields

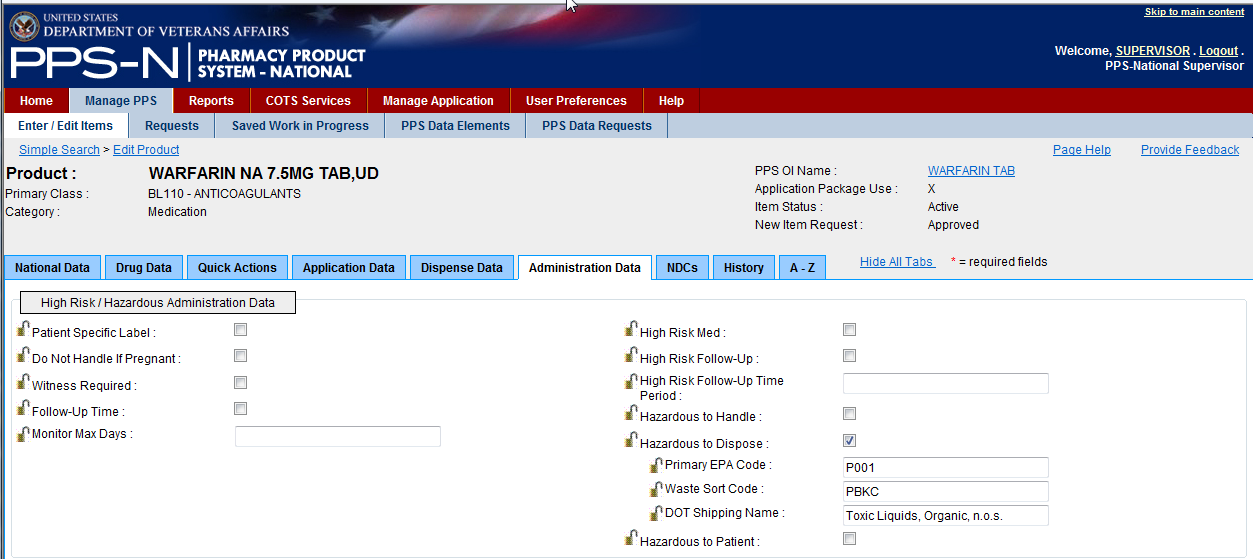
# Requirements Implemented by this Story

|  |  |
| --- | --- |
| RTC RM Artifact ID | Text |
| 507175 | The System shall allow the addition and maintenance of the following fields to monitor the hazardous waste status of a VA product (EPL-N Products table) and include the addition of these fields to VistA file #50.68. |
| 509627 | The System shall allow the addition and maintenance of the following fields on the Administration Data tab and the A-Z tab to monitor the hazardous waste status of a VA product (EPL-N Products table):   * HAZARDOUS TO HANDLE (Already Exist) * HAZARDOUS TO DISPOSE (Already Exist) * PRIMARY EPA (New) * WASTE SORT CODE (New) * DOT SHIPPING NAME (New) |
| 5090333 | The System shall allow only Manager, Second Approver, or Supervisor roles to edit these fields. |
| 590334 | The Hazardous to Dispose shall be a Boolean field. |
| 590335 | The Hazardous to Handle field shall be a Boolean field. |
| 590336 | The Primary EPA shall be a text field of up to 50 characters. |
| 590337 | The Waste Sort Code shall be a text field of up to 50 characters. |
| 590338 | The DOT Shipping Name shall be a text field of up to 50 characters. |
| 590339 | When a product is changed to not Hazardous to Dispose after previously being defined as Hazardous to Dispose with values for Primary EPA, Waste Sort Code, and/or DOT Shipping Name, the values for Primary EPA, Waste Sort Code, and/or DOT Shipping Name shalll remain, but the fields shall be grayed out and unable to be edited. |
| 590340 | When a product is changed to Hazardous to Dispose after previously being defined as not Hazardous to Dispose with values for Primary EPA, Waste Sort Code, and/or DOT Shipping Name, the values for Primary EPA, Waste Sort Code, and/or DOT Shipping Name shall be available for editing. |
| 590341 | The Hazardous to Handle field shall be initially populated at the Product level based on the following algorithm:   * The system shall retrieve drugs classified as Hazardous to Handle from the Drug column in the “Sample List of Drugs that Should be Handled as Hazardous” table of the “NIOSH List of Antineoplastic and Other Hazardous Drugs in Healthcare Settings 2014” document, located at <http://DNS/niosh/docs/2014-138/pdfs/2014-138.pdf> (referred to as NIOSH PDF). * The system shall perform a primary search for a drug Trade Name from the NIOSH PDF using a “contains” search on Synonym in the the PPS\_N Enterprise Product (EPL) database. * If the Synonym search yields resulting matches to drug(s) in the PPS\_N EPL database, then for all resulting matches, the system shall set the value of the Hazardous to Handle field to True (checked) at the Product level. * The system shall perform a secondary for the same drug Trade Name from the NIOSH PDF using a “contains” search on VA Product Name. * If the VA Product name search yields resulting matches to drug(s) in the PPS\_N EPL database, then for all resulting matches, the system shall set the value of the Hazardous to Handle field to True (checked) at the Product level. * When a drug (Trade Name) loaded from the NIOSH PDF does NOT match any drug at the PPS-N Product level either by primary or secondary search, the system will log the drug in an Output Exception Report file for manual inspection. |
| 590342 | The Hazardous to Dispose field shall be populated based on the following algorithm:   * The system shall retrieve drugs classified as Hazardous to Dispose from the EPA STERICYCLE Rx WASTE CHARACTERIZATION spreadsheet, Formulary Summary tab (referred to as STERICYLE spreadsheet). * The system shall perform a primary search for a drug NDC code from the STERICYCLE input file using an NDC search in the PPS\_N Enterprise Product (EPL) database. * If the search on NDC yields an exact match to an NDC code in the PPS N EPL database, the system shall set the value of the Hazardous to Dispose field to True (checked) at the Product level, and populate the corresponding Primary EPA Code, Waste Sort Code and DOT Shipping Name fields, and identify the Generic Name for the product. * The system shall perform a secondary “contains” search for the drug Generic Name in the PPS\_N EPL database. * If the Generic Name search yields resulting matches to drug(s) in the PPS\_N EPL database, then for all resulting matches, the system shall set the value of the Hazardous to Dispose field to True (checked) at the Product level, and populate the corresponding Primary EPA Code, Waste Sort Code and DOT Shipping Name fields, and identify the Synonym for each product found. * The system shall perform a tertiary “contains” search on Synonym in the PPS\_N EPL database for each product. * If the Synonym search yields resulting matches to drug(s) in the PPS\_N EPL database, then for all resulting matches, the system shall set the value of the Hazardous to Dispose field to True (checked) at the Product level, and populate the corresponding Primary EPA Code, Waste Sort Code and DOT Shipping Name fields. * If the primary search for an NDC code yields NO exact match to an NDC code in the PPS\_N EPL database, the system will perform a secondary search for the drug’s Product name from the STERICYCLE input file using a “contains” search on Synonym in the PPS\_N EPL database. * If the Synonym search yields resulting matches to drug(s) in the PPS\_N EPL database, then for all resulting matches, the system shall set the value of the Hazardous to Dispose field to True (checked) at the Product level, and populate the corresponding Primary EPA Code, Waste Sort Code and DOT Shipping Name fields, and identify the Generic Name for each product found. * The system shall perform a tertiary “contains” search on Generic Name in the PPS\_N EPL database for each Generic Name identified. * If the Generic Name search yields resulting matches to drug(s) in the PPS\_N EPL database, then for all resulting matches, the system shall set the value of the Hazardous to Dispose field to True (checked) at the Product level, and populate the corresponding Primary EPA Code, Waste Sort Code and DOT Shipping Name fields. * When a drug NDC or Product Name loaded from the STERICYLE input file does NOT match any drug in the target PPS\_N EPL database, the system will log the NDC, Product Name, Primary EPA Code, Waste Sort Code and DOT Shipping Name in an Output Exception Report file for manual inspection. |
| 509628 | The System shall include the hazardous waste status fields in the update file. |

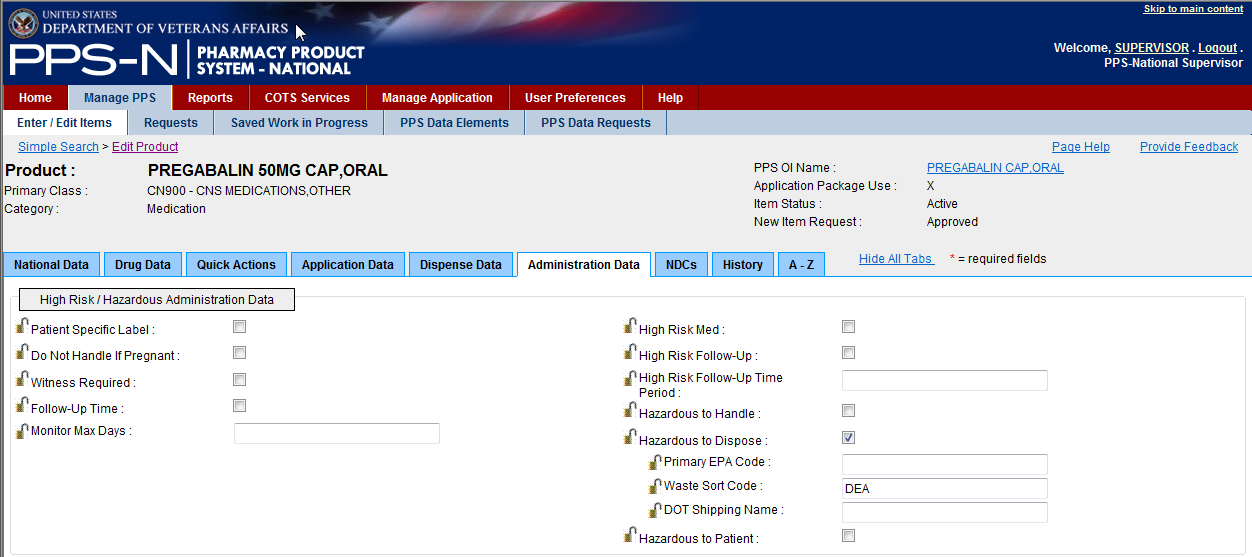
# Wireframe



This example shows the new fields on the Administration Data tab. The purpose of this example is to show the placement of the three sub-fields, Primary EPA Code, Waste Sort Code, and DOT Shipping Name, as the Hazardous to Handle and Hazardous to Dispose fields already display on the Administration Data tab. Note that because Hazardous to Dispose is false (i.e. not checked), the three sub-fields are not available for editing.



This example shows the new fields on the Administration Data tab. Note that because Hazardous to Dispose is true (i.e. checked), the three sub-fields, Primary EPA Code, Waste Sort Code, and DOT Shipping Name, are available for editing.



This example shows the new fields on the Administration Data tab. Note that because Hazardous to Dispose is true (i.e. checked), the three sub-fields, Primary EPA Code, Waste Sort Code, and DOT Shipping Name, are available for editing. However, only one field, Waste Sort Code, was populated.

# Functionality Checklist:

|  |  |
| --- | --- |
| Does this apply to all user roles?  If no, specify relevant roles in Section 3 | N |
| Does this affect any existing Reports?  If yes, specify reports in Section 3 | N |
| Does this affect any export functionality? | N |
| If this is a PPS modification, will it require VistA modifications?  If yes, reference the appropriate VistA stories in Section 3 | Y |
| If this is a VistA modification, will it require PPS modifications?  If yes, reference the appropriate PPS stories in Section 3 | N/A |
| If this is a PPS-L modification, will it require updates in PPS-N?  If yes, reference the appropriate PPS-N stories in Section 3 | N/A |
| If this is a PPS-N modification, will it require updates in PPS-L?  If yes, reference the appropriate PPS-L stories in Section 3 | N |
| If this is a PPS-N Modification, will it affect the Update File?  If yes, reference related PPS-N stories in Section 3, if appropriate | Y |
| Does this require changes to online help? | Y |

# Acceptance Criteria:

The Hazardous Waste Status fields have been set up in the PPS-N database.

The Hazardous Waste Status fields are the same data type as the fields in VistA (ie numeric to numeric, text to text, etc.)

The Hazardous Waste Status fields display on the pages specified in the requirements.

The Hazardous Waste Status fields are initially populated in accordance with the method specified in the requirements.

The Hazardous Waste Status fields are included in the Update File.

# Approvals

|  |  |  |  |
| --- | --- | --- | --- |
| **Approver Name** | **Status/Comments** | **Due Date** | **Approval Date** |
| Donald Lees | Approved |  | 8/12/2015 |
|  |  |  |  |