# Summary of Data Exchange-Related Changes to the Unified Program Data Dictionary (November 2011 Update)

*Prepared by the Cal/EPA Unified Program    November 2011*

**Summary**

This document summarizes necessary corrections, clarifications, and additions to the Unified Program's Data Dictionary needed for successful implementation of electronic data exchange as mandated by AB2286. Most changes were deemed "required" by Cal/EPA Unified Program staff, while some cases changes were recommended and later adopted by the Unified Program Data Management Steering Committee (DMSC) during late 2010 and early 2011.

**Data Dictionary Issues**

The Unified Program's Data Dictionary in CCR Title 27 was originally adopted in 1999, prior to the widespread use of XML as a data exchange technology, the much lower cost of data storage in the present day, and AB 2286 mandates for electronic reporting. This results in a number of problems with the existing data dictionary, including:

- Overly short field lengths were designed to reduce data storage costs or accommodate paper forms, forcing truncated and less useful/clear data.
- Some fields were not structured to correctly capture multiple values.
- Some fields don't reflect current federal data standards and/or are not ideally crafted for XML-based data exchange.
- Some fields definitions included inconsistencies/errors that needed to be corrected (e.g., field lengths did not match length of code values, code values were inconsistently implemented for similar fields, etc.).

This document reflects a thorough review of the entire Title 27 data dictionary by the Cal/EPA Unified Program staff. It summarizes **required** *changes* that had to be made to implement CERS electronic data exchange, **required** *corrections* of Title 27 fields and/or UPCF forms, and **recommended** changes adopted by the DMSC that ensure data consistency into the future and ease of data entry by users. In some cases the changes were partially influenced by already collected data from UNIDOCS/CERS1, where data field lengths were not consistently applied to all data fields. In most cases these changes will have little if any impact on businesses or UPAs. However, UPAs using CERS as their primary business reporting tool who plan on exchanging data with CERS using their local systems may be impacted.

**Future Rulemaking**

Cal/EPA intends to pursue a rulemaking process to incorporate all the changes identified in this document into Unified Program regulations.

**Document Organization**

- This initial discussion section and a Table of Contents.
- A section on field changes spanning multiple portions of the Data Dictionary.
- A section on field changes for specific Data Dictionary fields/section.
- A section of notes identifying and/or clarifying changes made and other issues.

**Data Registry**

A searchable database of the updated/revised Unified Program Data Dictionary and the original Title 27 Data Dictionary is available at: https://cers.calepa.ca.gov/Data/Registry/

# Contents

# A. Changes Spanning Multiple Title 27 Chapters/UPCF Forms

## Addition of *CERS ID* Field (#1a)

| | |
|---|---|
| **Status** | REQUIRED |
| **Description** | The numeric nine digit CERS ID will be assigned exclusively by the CERS system. Initial values started at 100000001. CERS IDs are assigned to a physical facility, and normally do not change when a facility's owners/operators change. |
| **Rationale** | CERS requires a fixed, non-changeable ID for each physical facility. The existing Facility ID definition includes geographic/jurisdictional elements that have and will change over time (e.g., merging/separating UPAs, newly incorporated cities). The Facility ID's six digit unique number may eventually not be large enough for UPAs with many facilities. Using a numeric primary identifier for facilities will allow more rapid and cost-effective report generation in CERS. |
| **Impacts** | Field added to all tables which include the *Facility ID* field (#1). <br> Chapter 1: Business Activities <br> Chapter 1: Business Owner / Operator Identification <br> Chapter 2: Hazardous Materials Inventory - Chemical Description <br> Chapter 3: Underground Storage Tank - UST Certification of Installation/Modification <br> Chapter 3: Underground Storage Tank - UST Monitoring Plan <br> Chapter 3: Underground Storage Tank - UST Operating Permit Application-Facility Information <br> Chapter 3: Underground Storage Tank - UST Operating Permit Application-Tank Information <br> Chapter 4: Hazardous Waste - Certification of Financial Assurance <br> Chapter 4: Hazardous Waste - Hazardous Waste Tank Closure Certification <br> Chapter 4: Hazardous Waste - Onsite Hazardous Waste Treatment Notification - Facility <br> Chapter 4: Hazardous Waste - Onsite Hazardous Waste Treatment Notification - Unit <br> Chapter 4: Hazardous Waste - Onsite Tiered Permitting - Waste and Treatment Process Combinations <br> Chapter 4: Hazardous Waste - Recyclable Materials <br> Chapter 4: Hazardous Waste - Recyclable Materials <br> Chapter 4: Hazardous Waste - Remote Waste Consolidation Site Annual Notification <br> Chapter 5: Compliance Activity Information (Previously Approved) <br> Chapter 5: Inspection Information (Previously Approved) <br> Chapter 5: Enforcement Information (Previously Approved) <br> Chapter 5: Violation Information (Previously Approved) |

## Change Type of Obvious Numeric Fields from Alphanumeric to Numeric

| | |
|---|---|
| **Status** | REQUIRED |
| **Description** | Redefine obvious numeric fields from alphanumeric to numeric types. |
| **Rationale** | There are many data dictionary fields that are obviously numeric but have an alphanumeric type. To reduce ambiguity and ensure data consistency, all of these fields should be re-defined as numeric types. These changes will also support more cost effective and rapid reports generation in CERS. |
| **Impacts** | #437     Number of Compartments in the Unit <br> ~~#519     Total Number of Recyclable Materials~~ [field was dropped as part of June 2011 changes] <br> #602a    Number of Units = CESQT <br> #602b    Number of Units = CESW <br> #602c    Number of Units = CA <br> #602d    Number of Units = PBR <br> #602e    Number of Units = CEL <br> #602f    Number of Units = CE-CL <br> #602g    Number of Units = Total <br> #608     Number of Tanks (Onsite Hazardous Waste Facility) <br> #609     Number of Containers/Treatment Areas |

| | #611 | Monthly Treatment Volume |
|---|---|---|
| | #746a | Concentration of Flammable Vapor 1 = top |
| | #746b | Concentration of Flammable Vapor 1 = center |
| | #746c | Concentration of Flammable Vapor 1 = bottom |
| | #747a | Concentration of Oxygen 1 = top |
| | #747b | Concentration of Oxygen 1 = center |
| | #747c | Concentration of Oxygen 1 = bottom |
| | #749a | Concentration of Flammable Vapor 2 = top |
| | #749b | Concentration of Flammable Vapor 2 = center |
| | #749c | Concentration of Flammable Vapor 2 = bottom |
| | #750a | Concentration of Oxygen 2 = top |
| | #750b | Concentration of Oxygen 2 = center |
| | #750c | Concentration of Oxygen 2 = bottom |
| | #752a | Concentration of Flammable Vapor 3 = top |
| | #752b | Concentration of Flammable Vapor 3 = center |
| | #752c | Concentration of Flammable Vapor 3 = bottom |
| | #753a | Concentration of Oxygen 3 = top |
| | #753b | Concentration of Oxygen 3 = center |
| | #753c | Concentration of Oxygen 3 = bottom |
| | Note: All of the Concentration fields are expressed as a percentage using format xx.xx | |
| | #919 | Final Fine or Penalty Assessed |
| | #920 | Supplemental Environmental Projects Value |

## Lengthen *Chemical Name*-related fields

| Status | Recommended; Approved by DMSC |
|---|---|
| Description | Change chemical name-related fields from the current AN(60) to AN(500). |
| Rationale | Chemical and chemical component names can potentially have very long names. Existing UNIDOCS/CERS1 chemical data (which could be considered a snapshot of statewide data) includes hundreds of chemicals that exceed the current AN(60) definition for the various chemical name fields in the Data Dictionary. There are no clear federal data standards for chemical name length. Based upon a review of the US EPA Federal Substance Registry, a length of AN(500) will capture 99.99% of the chemicals in that registry. |
| Impacts | Lengthen the field names shown below from AN(60) to AN(500):<br>#205 Chemical Name<br>#207 Common Name<br>#227 Hazardous Component 1 Name<br>#231 Hazardous Component 2 Name<br>#235 Hazardous Component 3 Name<br>#239 Hazardous Component 4 Name<br>#243 Hazardous Component 5 Name<br>#521 Common Name(Recyclable Materials)<br>#528 Hazardous Constituent 1<br>#534 Hazardous Constituent 2<br>#540 Hazardous Constituent 3<br>#546 Hazardous Constituent 4 |

## Change Formatting and length of Date-Related Fields   [Added June 2011]

| Status | Cal/EPA Required Change as of June 2011 |
|---|---|
| Description | Change length of all 29 date-related fields from 8 to 10 characters and the formatting from *YYYYMMDD* to *YYYY-MM-DD* to match modern data exchange formats (i.e., XML Date datatype). |

| Rationale | The Title 27 lists nearly 30 date-related fields of type "D" (date) but with a length of 8 characters formatted as YYYYMMDD. Dates stored in database systems are always stored in some internal representation that does not match this format, and modern XML-based data exchanges require dates to be formatted as 10 characters with dashes: YYYY-MM-DD. Cal/EPA has determined changing the format/length of these 29 date-related fields is appropriate because Title 27 clearly indicates these fields should be expressed as a date type and the XML Date datatype is of the format YYYY-MM-DD, and Cal/EPA has statutory authority to identify an XML-based data exchange format. |
|---|---|
| Impacts | #100     Beginning Date<br>#101     Ending Date<br>#134     Date Identification Signed<br>#424     Date Certified (UST Facility)<br>#430-a  Date UST Permanently Closed<br>#430-b  Date Existing UST Discovered<br>#435     Date UST System Installed<br>#470     Date Certified<br>#483b   Work Authorized under Permit (Number or Date)<br>#484     Date Certified<br>#490-77 Date [certified]<br>#500     Beginning Date of Reporting Period<br>#501     Ending Date of Reporting Period<br>#515     Date (Recyclable Materials)<br>#603     Date Certified (Onsite Hazardous Waste Facility)<br>#617     Secondary Containment Installation Date<br>#707     Date of Closure Assurance Mechanism<br>#716     Date Certified (Financial Assurance)<br>#730     Date Certified (Remote Consolidation)<br>#759     Date Certified (Tank Closure)<br>#906     Inspection Date<br>#917     Date Returned to Compliance<br>#913e   Date Red Tag Affixed<br>#913f   Date Red Tag Removed<br>#915     Date of Enforcement Action<br>#917a   Date a Referred Case Settled or Dropped<br>#932     Violation Date<br>#933     Violation Scheduled Return to Compliance Date<br>#934     Violation Actual Return to Compliance Date |

## Contact/Address Related Changes

### Change Formatting Instructions for *Street* Address Fields [Added October 2011]

| Status | Cal/EPA Required Change as of October 2011 |
|---|---|
| Description | Change the format instructions (shown as "Edit Criteria/Codes") in regulation for street address-related fields to eliminate references to postal standards or support for two lines of address information.<br><br>*Postal standard:*<br>~~*2 lines, 35 characters*~~ |
| Rationale | The USPS no longer has a relevant specific standard, and nearly all data stored in federal, Cal/EPA and regulator systems use a single line to capture street address information. The original definition was attempting to combine both postal/mailing needs with locational information needs, creating too much uncertainty/ambiguity for this field. The field length will remain AN(70). For the purposes of providing additional locational information for the physical site address, Cal/EPA is adding a "Supplemental Location Text" field (#103a). |

| Impacts | 103 | Business Site Address |
|---|---|---|
| | 108a | Business Mailing Address |
| | 113 | Business Owner Mailing Address |
| | 119 | Environmental Contact Mailing Address |
| | 143 | Billing Address |
| | 174 | Property Owner Mailing Address |
| | 409 | Property Owner Mailing Address |
| | 416 | Tank Owner Mailing Address |
| | 428-3 | Tank Operator Mailing Address |
| | 506 | Street Address (Offsite Generator) |
| | 511 | Mailing Address (Offsite Generator) |
| | 711 | Financial Institution or Surety Address |
| | 741 | Tank Owner Address (Closure) |
| | 756 | Certifier Address (Tank Closure) |

## Lengthen *City* Address Fields

| Status | Recommended; Approved by DMSC |
|---|---|
| Description | Lengthening of the City address-related fields from AN(20) to AN(60). |
| Rationale | The current UNIDOCS/CERS1 data set includes several hundred records where the City is longer than 20 characters.  The current Federal NEIEN facility identification data exchange standard for *Locality Name* is AN(60). |
| Impacts | #104    City (Business)<br>#108b   Business Mailing Address City<br>#114    Business Owner City<br>#120    Environmental Contact City<br>#410    Property Owner City<br>#417    Tank Owner City<br>#428-4  Tank Operator City<br>#508    City (Offsite Generator)<br>#512    City for Mailing Address (Offsite Generator)<br>#712    Financial Institution or Surety City<br>#722    City (Remote Consolidation)<br>#742    Tank Owner City (Closure)<br>#757    Certifier City (Tank Closure) |

## Lengthen *ZIP Code* Fields

| Status | REQUIRED |
|---|---|
| Description | Lengthening of ZIP Code-related fields from AN(9) to AN(10). Format is 99999, 99999-9999, or international postal codes with dashes as necessary. |
| Rationale | AN(10) allows for a full range of international postal codes.  The current Federal NEIEN facility identification data exchange standard for Mailing Address Postal Code is AN(14). However, Cal/EPA has not found sufficient justification to warrant more than 10 characters. By extending the field by one digit, we can support all international postal codes (with dashes) as well as US ZIP or ZIP+4 values (with dashes). |
| Impacts | #105    ZipCode<br>#108d   Business Zip Code<br>#116    Business Owner Zip Code<br>#122    Environmental Contact Zip Code<br>#412    Property Owner Zip Code<br>#419    Tank Owner Zip Code<br>#428-6  Tank Operator Zip Code<br>#510    Zip Code (Offsite Generator) |

| | #514 | Zip Code for Mailing Address (Offsite Generator) |
|---|---|---|
| | #714 | Financial Institution or Surety Zip Code |
| | #723 | Zip Code (Remote Consolidation) |
| | #744 | Tank Owner Zip Code (Closure) |

## Lengthen *Phone Number* Fields

| Status | REQUIRED |
|---|---|
| Description | Lengthening of phone number fields from AN(15) to AN(25). |
| Rationale | The existing Title 27 definition for phone number fields specifies an area code, 7 digit number, and an extension. The current standard would not work for longer extension numbers. Additionally, some phone numbers will be international numbers with other length/formatting issues.  The current Federal NEIEN facility identification data exchange standard for phone fields is AN(25). |
| Impacts | #102 Business Phone<br>#110 Business Operator Phone<br>#112 Business Owner Phone<br>#118 Environmental Contact Phone<br>#125 Primary Emergency Contact Business Phone Number<br>#126 Primary Emergency Contact 24-Hour Phone<br>#127 Primary Emergency Contact Pager Number<br>#130 Secondary Emergency Contact Business Phone<br>#131 Secondary Emergency Contact 24-Hour Phone<br>#132 Secondary Emergency Contact Pager Number<br>#408 Property Owner Phone<br>#415 Tank Owner Phone<br>#425 Applicant Phone (UST Facility)<br>#428-2 Tank Operator Phone<br>#487 Phone number<br>#507 Phone (Offsite Generator)<br>#758 Certifier Phone (Tank Closure) |

## Addition of *Country* Fields for Addresses

| Status | REQUIRED |
|---|---|
| Description | Addition of an AN(45) Country field to addresses which could potentially be out-of-state. All data exchanges should assume the default/assumed value is "United States". The formatting instructions for these fields will include the following:<br>Specify the full country name as shown in the USPS International Mail Manual. If no country is provided, the value will default to "United States". |
| Rationale | Aside from a facility's actual physical address which must be within California, there are several other sets of address fields in Title 27 for which entities/contacts will have an international address. Addition of this field will capture these cases.  The current Federal NEIEN facility identification data exchange standard for Country Name is AN(45). |
| Impacts | Address-Related Fields for which *Country* field would be added:<br>• Owner/Operator Identification: #116a Business Owner , #122a Environmental Contact<br>• Underground Storage Tank Permit: #412a Property Owner, #419a Tank Owner, #428-7 Tank Operator<br>• Hazardous Waste Certification of Financial Assurance: #714a Financial Institution or Surety<br>• Hazardous Waste Closure Certification: #744a Tank Owner<br>• Hazardous Waste Recyclable Materials: #510a Street Address (Offsite Generator), #514a Mailing Address (Offsite Generator)<br>• Hazardous Waste Remote Waste Consolidation Site Notification: #723a Remote Consolidation (street address) |

## Lengthen *Name*-related Fields

| | |
|---|---|
| **Status** | Recommended; Approved by DMSC |
| **Description** | Expand various Title 27 "name" fields that imply a complete first/last name (or potentially an organization name) from various shorter standards (20-35 characters) to an AN(80) standard. |
| **Rationale** | Most of these fields are too short for longer personal or organizational names, forcing business/organization users to abbreviate/truncate data and reduce its clarity. The current Federal NEIEN facility identification data exchange standard for similar fields is AN(80). |
| **Impacts** | #109      Business Operator Name<br>#111      Business Owner Name<br>#117      Environmental Contact Name<br>#123      Primary Emergency Contact Name<br>#128      Secondary Emergency Contact Name<br>#135      Document Preparer Name (Identification)<br>#136      Name of Signer of Identification<br>#406      Supervisor of Division, Section, or Office (Required for Public Agencies Only)<br>#407      Property Owner Name<br>#414      Tank Owner Name<br>#426      Applicant Name (UST Facility)<br>#428-1    Tank Operator Name<br>#471      Applicant Name<br>#482a     Name of Contractor Who Performed the Installation/Modification<br>#485      Certifier's Name<br>#488      Name of Certifier's Employer<br>#490-72   Name of first person having responsibility<br>#490-74   Name of second person having responsibility<br>#490-78   Applicant Name<br>#504      Offsite Generator Name<br>#516      Name of Document Preparer (Recyclable Materials)<br>#517      Certifier Name (Recyclable Materials)<br>#604      Owner/Operator Name (Onsite Hazardous Waste Facility)<br>#710      Financial Institution or Surety Name<br>#717      Owner/Operator Name (Financial Assurance)<br>#731      Owner/Operator Name (Remote Consolidation)<br>#740      Tank Owner Name (Closure)<br>#754      Certifier Name (Tank Closure) |

## Lengthen *Title* Fields

| | |
|---|---|
| **Status** | Recommended; Approved by DMSC |
| **Description** | Expand various Title 27 title-related fields from various shorter standards (25-25 characters) to an AN(50) standard. |
| **Rationale** | Many of these fields are too short for data already captured in UNIDOCS/CERS1. Shorter field lengths force business/organization users to abbreviate/truncate data and reduce its clarity. The current Federal NEIEN facility identification data exchange standard for similar fields is AN(50). |
| **Impacts** | #124      Primary Emergency Contact Title<br>#129      Secondary Emergency Contact Title<br>#137      Title of Signer of Identification<br>#427      Applicant Title (UST Facility)<br>#472      Applicant Title<br>#486      Certifier's Title<br>#490-73   Title of first person having responsibility<br>#490-75   Title of second person having responsibility<br>#490-79   Applicant Title<br>#518      Certifier Title (Recyclable Materials)<br>#605      Owner/Operator Title (Onsite Hazardous Waste Facility) |

| | #718 | Owner/Operator Title (Financial Assurance) |
|---|---|---|
| | #755 | Certifier Title (Tank Closure) |
| | #732 | Owner/Operator Title (Remote Consolidation |

## Lengthen Email-related Fields   [Added June 2011]

| Status | Cal/EPA Required Change as of June 2011 |
|---|---|
| Description | Expand various Title 27 email-related fields from AN(70) to AN(254) to match the longer values permitted for emails and more commonly used in various data exchanges. |
| Rationale | The format of email addresses is formally defined internationally in RFC 5322 (mostly section 3.4.1) and RFC 5321 with 254 characters being the practical upper limit. Various US EPA exchange standards range from 120 (FacID) to 240 (RCRAInfo 5.2). Since email addresses are of no value if they are truncated, the data dictionary should be modified to capture the longest likely email address. |
| Impacts | #119a   Environmental Contact Email Address<br>#142    Billing Contact Email Address |

# B. Changes for Specific Title 27 Chapters/UPCF Forms

## Business Activities Field Changes

### Drop *Upgrade/Install Underground Storage Tank* Field (#6)

| | |
|---|---|
| **Status** | Recommended; Approved by DMSC |
| **Description** | Drop Field #6 *Upgrade/Install Underground Storage Tank*, which is an AN(1) Y/N field on the Business Activities portion of the data dictionary for reporting if a facility intends to install or upgrade a UST.  This field is not currently implemented on the Business Activities UPCF of CERS1 forms. |
| **Rationale** | The UST Tank form captures similar information. |
| **Impacts** | Drop Field #6 |

### Drop *Underground Storage Tank Closure* Field (#7)

| | |
|---|---|
| **Status** | Recommended; Approved by DMSC |
| **Description** | Drop Field #7 *Underground Storage Tank Closure*, which is an AN(1) Y/N field on the Business Activities portion of the Data Dictionary to report if the facility intends to install or upgrade a UST.  This field is not currently implemented on the Business Activities UPCF of CERS1 forms. |
| **Rationale** | The UST Tank form captures similar information. |
| **Impacts** | Drop Field #7 |

### Drop *Local Requirements* Field (#15)

| | |
|---|---|
| **Status** | REQUIRED |
| **Description** | This *Local Requirements* field for Business Activities has an undefined type/length in the Data Dictionary. |
| **Rationale** | CERS will include a data dictionary of locally collected fields defined at the state level that can be electronically exchanged, eliminating the general need for this field. Cal/EPA wishes to eliminate this field to reduce confusion to reporters. See also "Business Activities Comments" field below. |
| **Impacts** | Drop the Local Requirements field (#15) |

### Add *Business Activities Comments* Field (#16)

| | |
|---|---|
| **Status** | Recommended; Approved by DMSC |
| **Description** | AN(500) |
| **Rationale** | Reporters could use this optional field to provide additional information about their facility's business activities that cannot be captured in other fields. |
| **Impacts** | Add new AN(500) field #16 called *Business Activities Comments* |

## Owner/Operator Information Field Changes

### Add *Supplemental Location Text* Field (#103a)   [Added October 2011]

| | |
|---|---|
| **Status** | Cal/EPA Required Change as of October 2011 |

| Description | Addition of a new optional field where a facility owner/operator can provide additional locational information where the Business Site Address field (#103) is not sufficient to capture the facility's location. |
| --- | --- |
| Rationale | US EPA uses a similar type of field to capture additional locational information for facilities where the street address may not provide clear locational information. This typically is applicable to rural or remote facility locations that may not have a formal mailing address. Information might include township numbers, highway mile markers, or other driving instructions. |
| Impacts | Add #103a          Supplemental Location Text |

## Change Type of *Dun and Bradstreet* Field to Numeric (#106)

| Status | REQUIRED |
| --- | --- |
| Description | Change the type of the Owner/Operator information *Dun and Bradstreet* field from AN(9) to N(9) |
| Rationale | This is the standard format for a DUNS number, both as defined by Dun & Bradstreet and Federal NEIEN standards. |
| Impacts | Change type of #106 from AN(9) to N(9) |

## Change Type of *SIC Code* Field to Numeric (#107)

| Status | REQUIRED |
| --- | --- |
| Description | Change the SIC field from AN(4) to N(4) |
| Rationale | The current Federal NEIEN facility identification data exchange standard for SIC codes is represented as a numeric field. |
| Impacts | Type of Field #107 is changed from AN(4) to numeric. |

## Change Type of *NAICS Code* to Numeric (#107a)

| Status | REQUIRED |
| --- | --- |
| Description | Change the NAICS Code field from AN(6) to N(6). |
| Rationale | The current Federal NEIEN facility identification data exchange standard for NAICS codes is represented as a numeric field. |
| Impacts | Type of Field #107a is changed from AN(6) to numeric. |

## Revision of *County* Field (#108)

| Status | REQUIRED |
| --- | --- |
| Description | Drop the existing County field (#108) and replace with a numeric CountyID field (new #105a). Valid values are 1-58, each value assigned to the county name in alphabetic order. |
| Rationale | The existing county standard AN(35) does not indicate if the word "County" should be included. Its placement/numbering also leaves ambiguity if the county values should relate to the physical facility or the facility mailing address. Existing UNIDOCS/CERS data is very diverse for this field. Replacing with a numeric key and relocating the field closer the facility physical/site address fields will help clarify the usage of this field. |
| Impacts | Drop the existing County field (#108) Add new CountyID field (#105a). |

## Renaming of Certain Mailing Address Fields (#108b, 108c, 108d)

| Status | Recommended; Approved by DMSC |
|---|---|
| Description | Include the term "mailing" in the Business City (#108b), Business State (#108c), and Business ZIP Code (#108d) fields names to clarify/differentiate them |
| Rationale | This is consistent with the naming of the Business Mailing Address field (#108a) and will reduce confusion about how these fields are different from fields #104 (*City (Business)*) and #105 (*ZIP Code (Business)*). |
| Impacts | Change the field names as shown below:<br>• #108b "Business City" to "Business Mailing Address City"<br>• #108c "Business State" to "Business Mailing Address State"<br>• #108d "Business ZIP Code" to "Business Mailing Address ZIP Code" |

## Addition of Facility-information related Locally-Collected Fields (#170-178)  [Added June 2011]

| Status | Locally-Collected Fields adopted by DMSC during late 2010. Cal/EPA Required Change as of June 2011 |
|---|---|
| Description | Add the DMSC-adopted Locally Collected Fields (which were all facility information-related) to the Facility Information data fields. |
| Rationale | Unified Program regulations provide latitude for UPAs to identify and collect locally-required information. However, the implementation of locally-collected data in the Title 27 Data Dictionary (fields #15, #133, #246) is not viable for electronic XML data transfer. In late 2010 based upon UPA feedback, the DMSC adopted a small set of optional fields which would be included/defined as electronic data transfer fields. Facility operators only need to provide this data if their local regulator explicitly requests the data in these fields. All of the adopted fields related to general facility information. Any future locally-required fields adopted through the DMSC's data dictionary revision policy/process would need to be identified by relevant program and added to the pertinent portion of the Unified Program Data Dictionary. |
| Impacts | Add the following fields: |

| | | | |
|---|---|---|---|
| 170 | Assessor Parcel Number | APN formats are assigned by each County and are not standardized statewide. | AN(15) |
| 171 | Number of Employees | Number of employees working at the facility. | N |
| 172 | Property Owner Name | Similar to UP data field #407. | AN(80) |
| 173 | Property Owner Phone | Area code + 7 digit phone number + extension | AN(25) |
| 174 | Property Owner Mailing Address | One or two lines of up to 35 character each. | AN(70) |
| 175 | Property Owner City | | AN(60) |
| 176 | Property Owner State | Valid 2-digit state code | AN(2) |
| 177 | Property Owner ZIP Code | 5 digit ZIP Code or 5 digit ZIP Code with dash and plus-four code. | AN(10) |
| 178 | Property Owner Country | Default/assumed value is "United States" | AN(45) |

# Chemical Description Field Changes

## Drop Chemical Inventory *Add/Delete/Review* Field (#200)    [Added June 2011]

| | |
|---|---|
| **Status** | Cal/EPA Required Change as of June 2011 |
| **Description** | Eliminate this numeric field which must be provided on each copy of a *Hazardous Materials Inventory-Chemical Description* form showing the total count of such forms in the facility's submittal. |
| **Rationale** | Cal/EPA has determined the most simple and efficient approach to electronically submitting changes to a chemical inventory (or any submittal element for a facility) is to send a complete new/updated copy of the data. This kind of copy/edit/submit process will be simple to do in the CERS user interface or businesses who manually enter data, and could be easily performed by businesses (and UPAs) storing inventory data in a data management system. This field will be eliminated from the data dictionary because it reflects a paper-based process where a field was needed to indicate if a paper form reflected an update or deletion of a chemical from their inventory. |
| **Impacts** | #200    Add/Delete/Revise |

## Revision of Chemical Description Fire Code Hazard Classes Field (#210)

| | |
|---|---|
| **Status** | REQUIRED |
| **Description** | The existing AN(60) Fire Code Hazard Class field (#210) is an optional field for businesses to complete based on local UPA requirements. This field would be dropped and replaced by 8 new numeric fields (#210a-#210h) with numeric code values for each hazard class. The numeric code values will be assigned by the Cal/EPA Unified Program, and will reflect the current list of California Fire Code Hazard Classes. IDs will not be reused to ensure preserving historical records, so codes of up to three digits may ultimately be supported. |
| **Rationale** | While #210 is not a required field for all facilities statewide, businesses need a statewide definition for electronic reporting. The existing field (#210) is too vague and does not provide sufficient guidance at the statewide level for successful electronic data exchange. The names of the first two hazard codes begin with primary/secondary to indicate hazard codes should be reported in order of their precedence/hazardousness. However the remaining names were simplified based upon DMSC guidance. |
| **Impacts** | Fields Dropped:<br>• #210, Fire Code Hazard Classes<br>Fields Added:<br>• #210a, Primary Fire Code Hazard Class  N(3)<br>• #210b, Secondary Fire Code Hazard Class N(3)<br>• #210c, Third Fire Code Hazard Class N(3)<br>• #210d, Fourth Fire Code Hazard Class N(3)<br>• #210e, Fifth Fire Code Hazard Class N(3)<br>• #210f, Sixth Fire Code Hazard Class N(3)<br>• #210g, Seventh Fire Code Hazard Class N(3)<br>• #210h, Eighth Fire Code Hazard Class N(3)<br>Codes shared by all added fields (This list may be altered slightly based upon final feedback from the State Fire Marshal's office).<br><br>1-Carcinogen    21-Oxidizing Gas, Gaseous<br>2-Combustible Liquid, Class II    22-Oxidizing Gas, Liquefied<br>3-Combustible Liquid, Class III-A    23-Organic Peroxide, Class I<br>4-Combustible Liquid, Class III-B    24-Organic Peroxide, Class II<br>5-Corrosive    25-Organic Peroxide, Class III<br>6-Cryogen    26-Organic Peroxide, Class IV<br>7-Explosive    27-Other Health Hazard |

| | |
|---|---|
| 8-Flammable Gas | 28-Pyrophoric |
| 9-Flammable Liquid, Class I-A | 29-Radioactive |
| 10-Flammable Liquid, Class I-B | 30-Sensitizer |
| 11-Flammable Liquid, Class I-C | 31-Toxic |
| 12-Flammable Solid | 32-Unstable(Reactive), Class 1 |
| 13-Highly Toxic | 33-Unstable(Reactive), Class 2 |
| 14-Irritant | 34-Unstable(Reactive), Class 3 |
| 15-Liquified Petroleum Gas | 35-Unstable(Reactive), Class 4 |
| 16-Magnesium | 36-Water Reactive, Class 1 |
| 17-Oxidizing, Class 1 | 37-Water Reactive, Class 2 |
| 18-Oxidizing, Class 2 | 38-Water Reactive, Class 3 |
| 19-Oxidizing, Class 3 | 39-Other |
| 20-Oxidizing, Class 4 | |

## Revision of Units (Inventory) Field (#221)

| | |
|---|---|
| **Status** | REQUIRED; Direction Provided and Approval Given by DMSC |
| **Description** | Modify the data dictionary values for Chemical Description field #221 *Units (Inventory)* to match the values and order shown on the Chemical Description UPCF. |
| **Rationale** | Field #221 describes which unit of measure is most appropriate for the material being reported. The values in the UPCF form are not represented in the same order or code values as the Title 27 Data Dictionary. The CERS screen is missing an option value for 'Tons'.  UPCF Form (CERS1 is similar)  The DMSC directed that the values on the UPCF form should take precedence over the data dictionary values since there is vastly more legacy forms based on the UPCF than electronic records based on the Data Dictionary. |
| **Impacts** | Data Dictionary field values for #221 changed to: a = gallons; b = cubic feet; c = pounds; d = tons |

## Revision of Storage Container=Other Field (#223r)

| | |
|---|---|
| **Status** | REQUIRED |
| **Description** | Chemical Description field #223r (*Storage Container=Other*) is defined in the data dictionary as an AN(30) field allowing a reporter to describe an alternate container type in which hazardous materials are stored. UPCF and CERS1 forms currently express this field as a checkbox rather than a free form text field. |
| **Rationale** | To better align this field with the pattern used in the rest of the data dictionary, this field should be turned into a AN(1) field accepting values of Y or N, and a new field should be added (#223r-1) called *Specify Other Storage Container*. |
| **Impacts** | Change type of Field #223r from AN(30) to AN(1) accepting values of Y or N. Add new field #223r-1 called Specify Other Storage Container that is AN(30). |

## Revision of Storage Pressure Field (#224)

| | |
|---|---|
| **Status** | REQUIRED; Direction Provided and Approval Given by DMSC |
| **Description** | Modify the data dictionary values for Chemical Description field #221 *Storage Pressure* to |

| | match the values and order shown on the Chemical Description UPCF. |
|---|---|
| **Rationale** | Chemical Description field #224 *Storage Pressure* is a AN(1) field representing the pressure at which a hazardous material is stored.  The codes/values on the UPCF do not match the values specified in the data dictionary.<br><br><br><br>The DMSC directed that the values on the UPCF form should take precedence over the data dictionary values since there is vastly more legacy forms based on the UPCF than electronic records based on the Data Dictionary. |
| **Impacts** | Data Dictionary field values for #224 changed to: a = ambient; b = above ambient; c = below ambient |

### Revision of *Storage Temperature* Field (#225)

| | |
|---|---|
| **Status** | REQUIRED; Direction Provided and Approval Given by DMSC |
| **Description** | Modify the data dictionary values for Chemical Description field #225 *Storage Temperature* to match the values and order shown on the Chemical Description UPCF. |
| **Rationale** | Chemical Description field #225 Storage Temperature is an AN(1) field representing the temperature at which a hazardous material is stored. The codes/values on the UPCF do not match the values specified in the data dictionary.<br><br><br><br>The DMSC directed that the values on the UPCF form should take precedence over the data dictionary values since there is vastly more legacy forms based on the UPCF than electronic records based on the Data Dictionary. |
| **Impacts** | Data Dictionary field values for #225 changed to: a = ambient; b = above ambient; c = below ambient; d = cryogenic. |

### Revise *Hazardous Component [...] Percent by Weight* Fields (#226, 230, 234, 238, 242)   [Added November 2011]

| | |
|---|---|
| **Status** | Cal/EPA Required Change as of November 2011 |
| **Description** | Modify the field length of the five "Hazardous Component […] Percent By Weight" fields from N(4) to N(6). |
| **Rationale** | The Title 27 Data Dictionary defined these five fields as N(4) with the unusual formatting instructions of "2.2 (implied decimal)." Cal/EPA has determined this definition is too ambiguous to use successfully in EDT, and does not align with modern data systems. So the length of these fields will be extended from 4 to 6 "characters" and the "Edit Critera/Codes" definition will be changed to "Percentage with up to 2 decimal digits."   This will support a full range values like 2, 2.01, 20.1 and 100.00 |
| **Impacts** | Add #226          Hazardous Component 1 Percent by Weight<br>Add #230          Hazardous Component 2 Percent by Weight<br>Add #234          Hazardous Component 3 Percent by Weight |

| | Add #238 | Hazardous Component 4 Percent by Weight |
|---|---|---|
| | Add #242 | Hazardous Component 5 Percent by Weight |

## Revise *Additional Locally Collected Information* Field to *Chemical Description Comments* (#246) [Modified June 2011]

| Status | REQUIRED |
|---|---|
| Description | The AN(255) field *Additional Locally Collected Information* will be renamed to *Chemical Description Comments* and lengthened to AN(1000). |
| Rationale | Based upon recommendations from the CERS Regulator User Group and approvals from the Unified Program Data Steering Management Committee, electronic collection of locally collected fields will be handled via a defined set of specific locally collected fields, eliminating the need for this field. The field will be renamed to *Chemical Description Comments* to allow businesses to submit any additional chemical description information they wish to provide or requested by their local regulator. *Note: Further data analysis in Spring 2011 indicated the original field length recommendation of AN(500) was insufficient. This version reflects a June 2011 update to AN(1000).* |
| Impacts | Rename field #246 to *Chemical Description Comments* and change its type from AN(255) to AN(1000). |

## Add *Additional Mixture Components* Field (#247)

| Status | REQUIRED |
|---|---|
| Description | Addition of a new AN(2000) field called *Additional Mixture Components to* Chemical Description to capture additional hazardous mixture component data (as necessary). |
| Rationale | A field is needed to capture additional mixture component data beyond the initial five components defined in the data dictionary. This field would capture such data in free text format. |
| Impacts | Addition of field #247 to *Additional Mixture Components* as AN(2000). |

## Add *CERS Chemical Library ID* Field (#250)  [Added June 2011]

| Status | Cal/EPA Required Change as of June 2011 |
|---|---|
| Description | Add AN(50) field #250 for reporters to indicate a chemical entry is based upon a chemical record in CERS Chemical Library. |
| Rationale | The CERS Chemical Library includes descriptions of hazardous substances which don't have CAS numbers. This optional field allows reporters to specify a submitted chemical record is based upon and should be updated with the latest information from the specified chemical ID in the CERS Chemical Library. This field is needed to capture "canned" materials described in the CERS Chemical Library that don't have CAS numbers. If a submitted chemical record cites multiple identifiers, CERS will update the record with the latest information based upon the following order of precedence: CAS #, CERS Chemical Library ID, SRS Identifier. |
| Impacts | Addition of field #250 to *CERS Chemical Library ID* as AN(50). |

## Add *US EPA Substance Registry System Identifier* Field (#251)  [Added June 2011]

| Status | Cal/EPA Required Change as of June 2011 |
|---|---|
| Description | Add AN(50) field #251 for reporters to indicate a chemical entry is based upon a chemical |

| | record in the U.S. EPA's Substance Registry System (SRS). |
|---|---|
| **Rationale** | The US EPA's Substance Registry System (SRS) includes descriptions of hazardous substances which don't have CAS numbers. This optional field allows reporters to specify a submitted chemical record is based upon and should be updated with the latest information from the specified identifier from SRS. This field is needed to capture "canned" materials described in the CERS Chemical Library that don't have CAS numbers. If a submitted chemical record cites multiple identifiers, CERS will update the record with the latest information based upon the following order of precedence: CAS #, CERS Chemical Library ID, SRS Identifier. |
| **Impacts** | Addition of field #251 to *US EPA Substance Registry System Identifier* as AN(50). |

## Add *DOT Hazard Classification Identifier* Field (#252)   [Added June 2011]

| | |
|---|---|
| **Status** | Cal/EPA Required Change as of June 2011 |
| **Description** | Add numeric field #252 to capture a hazardous material classification as defined by US Department of Transportation and defined in CFR 49 §173.2. |
| **Rationale** | DOT hazard classifications are the most commonly/widely used identifiers by emergency responders for hazardous materials releases. These codes are also readily available and published in Material Safety Data Sheets (MSDSs). This field will not be a required field from facilities to satisfy electronic reporting requirements. However, inclusion of this field in the Unified Program Data Dictionary will support exchanging of this data between facilities, local agencies, and Cal/EPA for the benefit of emergency responders. |
| **Impacts** | Addition of field #252 to *DOT Hazard Classification Identifier* as a numeric field. Valid class/division numbers as of June 2011 are: <br> 1.1    MASS EXPLOSIVE HAZARD <br> 1.2    PROJECTION HAZARD <br> 1.3    FIRE AND/OR MINOR BLAST/PROJECTION HAZARD <br> 1.4    MINOR EXPLOSION HAZARD <br> 1.5    VERY INSENSITIVE WITH MASS EXPLOSION HAZARD <br> 1.6    EXTREMELY INSENSITIVE; NO MASS EXPLOSION HAZARD <br> 2.1    FLAMMABLE GASES <br> 2.2    NONFLAMMABLE GASES <br> 2.3    TOXIC GASES <br> 3    FLAMMABLE AND COMBUSTIBLE LIQUIDS <br> 4.1    FLAMMABLE SOLIDS <br> 4.2    SPONTANEOUSLY COMBUSTIBLE <br> 4.3    DANGEROUS WHEN WET <br> 5.1    OXIDIZING SUBSTANCES <br> 5.2    ORGANIC PEROXIDES <br> 6.1    TOXIC SUBSTANCES <br> 6.2    INFECTIOUS SUBSTANCES <br> 7    RADIOACTIVE MATERIAL <br> 8    CORROSIVES (LIQUIDS AND SOLIDS) <br> 9    MISC. HAZARDOUS MATERIALS |

# UST-Related Field Changes

## Modify Code Descriptions in UST Facility *Type of Action* Field (#400)   [Added June 2011]

| Status | Cal/EPA Required Change as of June 2011 |
|---|---|
| Description | Change the description of code value 5 from "Change of Information" to "Confirmed/Updated Information". |
| Rationale | The code values for this field are not mutually exclusive, and there is no obvious value to select when a user is confirming but not updating any form information. Changing the description of this code value will identify a clear "default" choice for the majority of electronic submissions for this form that involves few if any updates. This change will not have any serious impact on data entry from legacy forms. |
| Impacts | #400       Type of Action |

## Modify Code Descriptions in UST Tank *Type of Action* Field (#430)   [Added June 2011]

| Status | Cal/EPA Required Change as of June 2011 |
|---|---|
| Description | Change the description of code value 5 from "Change of Information" to "Confirmed/Updated Information". |
| Rationale | The code values for this field are not mutually exclusive, and there is no obvious value to select when a user is confirming but not updating any form information. Changing the description of this code value will identify a clear "default" choice for the majority electronic submissions for this form that involves few if any updates. This change will also not have any serious impact on data entry from legacy forms. |
| Impacts | #430       Type of Action |

## Lengthen UST Tank *Type ID #* (#432)   [Added October 2011]

| Status | Cal/EPA Required Change as of October 2011 |
|---|---|
| Description | Change the field length from AN(6) to AN(24) |
| Rationale | Based upon the already collected UST Tank data from UNIDOCS/CERS1, the field length is too short and needs to be lengthened to reflect actual/current business practices in the field. |
| Impacts | #432       Tank ID# |

## Modify description of UST Facility *Date UST System Installed* Field (#435)   [Added June 2011]

| Status | Cal/EPA Required Change as of June 2011 |
|---|---|
| Description | In addition to changing the formatting of this date-related field to the standard XML Date datatype as described elsewhere in this document, the description will be modified as follows: *"The date the tank installation was completed.  If the actual date is not known, the first day of the month the installation was completed may be used."* |
| Rationale | Cal/EPA has determined that date-related values should be formatted in the standard XML Date datatype format (*YYYY-MM-DD*). The Title 27 DD formatting instructions/description for this field indicated a format of *YYYYMM*. This approach was inconsistent with other date-related data. These changes align with standard data exchange approaches while retaining the ability for users to indicate the general date of an UST installation. |
| Impacts | Modify formatting and description notes for this field #435 as indicated. |

## Lengthen UST Facility *Additional Description* Field (#438)

| Status | Recommended; Approved by DMSC |
|---|---|
| Description | Currently an AN(70) local use only field for "additional tank or location description/information" which is not shown on the UPCF or in CERS1. Would lengthen to AN(500). |
| Rationale | Field is very short to support much description or other information. This lengthening would allow the field to act as the equivalent of a comments field on this form. This change would also align with the recommended new "Business Activities Comments" field (#16). |
| Impacts | Lengthen #438 from AN(70) to AN(500). |

## Lengthen UST Tank *Specify Other Tank Use* (#439a)   [Added October 2011]

| Status | Cal/EPA Required Change as of October 2011 |
|---|---|
| Description | Change the field length from AN(15) to AN(35) |
| Rationale | Based upon the already collected UST Tank data from UNIDOCS/CERS1, the field length is too short and needs to be lengthened to reflect actual/current business practices in the field. |
| Impacts | #439a     Specify Other Tank Use |

## Lengthen UST Tank *Specify Other Petroleum* (#440a)   [Added October 2011]

| Status | Cal/EPA Required Change as of October 2011 |
|---|---|
| Description | Change the field length from AN(15) to AN(35) |
| Rationale | Based upon the already collected UST Tank data from UNIDOCS/CERS1, the field length is too short and needs to be lengthened to reflect actual/current business practices in the field. |
| Impacts | #440a     Specify Other Petroleum |

## Lengthen UST Tank *Specify Other Petroleum* (#440b)   [Added October 2011]

| Status | Cal/EPA Required Change as of October 2011 |
|---|---|
| Description | Change the field length from AN(15) to AN(35) |
| Rationale | Based upon the already collected UST Tank data from UNIDOCS/CERS1, the field length is too short and needs to be lengthened to reflect actual/current business practices in the field. |
| Impacts | #440b     Specify Other Non-Petroleum |

## Lengthen UST Tank *Specify Other Primary Containment Construction* (#444a)   [Added October 2011]

| Status | Cal/EPA Required Change as of October 2011 |
|---|---|
| Description | Change the field length from AN(15) to AN(35) |
| Rationale | Based upon the already collected UST Tank data from UNIDOCS/CERS1, the field length is too short and needs to be lengthened to reflect actual/current business practices in the field. |
| Impacts | #444a     Specify Other Primary Containment Construction |

## Lengthen UST Tank *Specify Other Secondary Containment Construction* (#445a)   [Added October 2011]

| Status | Cal/EPA Required Change as of October 2011 |
|---|---|
| Description | Change the field length from AN(15) to AN(35) |

| Rationale | Based upon the already collected UST Tank data from UNIDOCS/CERS1, the field length is too short and needs to be lengthened to reflect actual/current business practices in the field. |
|---|---|
| Impacts | #445a    Specify Other Secondary Containment Construction |

## Lengthen UST Tank *Specify Other Under Dispenser Containment (UDC) Construction Material* (#469c) [Added October 2011]

| Status | Cal/EPA Required Change as of October 2011 |
|---|---|
| Description | Change the field length from AN(15) to AN(35) |
| Rationale | Based upon the already collected UST Tank data from UNIDOCS/CERS1, the field length is too short and needs to be lengthened to reflect actual/current business practices in the field. |
| Impacts | #464k1    Specify Other Under Dispenser (UDC) Construction Material |

## Revision of UST Tank *Steel Component Protection* Field (#448)

| Status | REQUIRED |
|---|---|
| Description | Replacement of #448 with three new true/false AN(1) fields (#448a, 448b, 448c) that accept either "Y" or "N" codes |
| Rationale | The UST Certification of Installation form instructions indicate that multiple values can be selected (i.e., Sacrificial Anodes, Impressed Current, and Isolation). Cal/EPA staff has confirmed that multiple values could potentially apply to a UST tank, so this correction is needed. |
| Impacts | Field #448 is dropped.<br>The following AN(1) fields would be added accepting values of "Y" or "N":<br>• #448a  Corrosion Protection: Sacrificial Anode<br>• #448b Corrosion Protection: Impressed Current<br>• #448c Corrosion Protection: Isolation |

## Revision of UST Tank *Overfill Prevention* Field (#452)

| Status | REQUIRED |
|---|---|
| Description | Replacement of #452 with four new true/false AN(1) fields (#452a through #452d) that accept either "Y" or "N" codes. |
| Rationale | The UST Certification of Installation form instructions indicate that multiple values can be selected (i.e., Audible/Visual Alarms, Ball Float, Fill Tube Shut-Off Valve, and Exempt). Cal/EPA staff has confirmed that multiple values could potentially apply to a UST tank, so this correction is needed. |
| Impacts | Field #452 is dropped.<br>The following AN(1) fields would be added accepting values of "Y" or "N":<br>• #452a  Overfill Prevention: Audible/Visual Alarms<br>• #452b  Overfill Prevention: Ball Float<br>• #452c  Overfill Prevention: Fill Tube Shut-Off Valve<br>• #452d  Overfill Prevention: Exempt |

### Lengthen UST Tank *Specify Other Product/Waste Piping Primary Containment Construction* (#464a) [Added October 2011]

| Status | Cal/EPA Required Change as of October 2011 |
|---|---|
| Description | Change the field length from AN(15) to AN(35) |
| Rationale | Based upon the already collected UST Tank data from UNIDOCS/CERS1, the field length is too short and needs to be lengthened to reflect actual/current business practices in the field. |
| Impacts | #464a      Specify Other Product/Waste Piping Primary Containment Construction |

### Lengthen UST Tank *Specify Other Product/Waste Piping Secondary Containment Construction* (#464c)  [Added October 2011]

| Status | Cal/EPA Required Change as of October 2011 |
|---|---|
| Description | Change the field length from AN(15) to AN(35) |
| Rationale | Based upon the already collected UST Tank data from UNIDOCS/CERS1, the field length is too short and needs to be lengthened to reflect actual/current business practices in the field. |
| Impacts | #464c      Specify Other Product/Waste Piping Secondary Containment Construction |

### Revision of UST Tank *Piping/Turbine Containment* Field (#464d)

| Status | REQUIRED |
|---|---|
| Description | Change the code value for "None" from "03" to "90" |
| Rationale | All other UST form values for "None" are coded as 90 except for this field and #464i. This correction will apply consistency across the data standard. |
| Impacts | Only one of the three code values for this specific field (#464d) would change from "03" to "90." |

### Lengthen UST Tank *Specify Other Vent Piping Primary Containment Construction* (#464e1)  [Added October 2011]

| Status | Cal/EPA Required Change as of October 2011 |
|---|---|
| Description | Change the field length from AN(15) to AN(35) |
| Rationale | Based upon the already collected UST Tank data from UNIDOCS/CERS1, the field length is too short and needs to be lengthened to reflect actual/current business practices in the field. |
| Impacts | #464e1    Specify Other Vent Piping Primary Containment Construction |

### Lengthen UST Tank *Specify Other Vent Piping Secondary Containment Construction* (#464f1)  [Added October 2011]

| Status | Cal/EPA Required Change as of October 2011 |
|---|---|
| Description | Change the field length from AN(15) to AN(35) |
| Rationale | Based upon the already collected UST Tank data from UNIDOCS/CERS1, the field length is too short and needs to be lengthened to reflect actual/current business practices in the field. |
| Impacts | #464f1    Specify Other Vent Piping Secondary Containment Construction |

### Lengthen UST Tank *Specify Other Vapor Recovery Piping Primary Containment Construction* (#464g1) [Added October 2011]

| Status | Cal/EPA Required Change as of October 2011 |
|---|---|
| Description | Change the field length from AN(15) to AN(35) |
| Rationale | Based upon the already collected UST Tank data from UNIDOCS/CERS1, the field length is too short and needs to be lengthened to reflect actual/current business practices in the field. |
| Impacts | #464g1    Specify Other Vapor Recovery Piping Primary Containment Construction |

### Lengthen UST Tank *Specify Other Vapor Recovery Piping Secondary Containment Construction* (#464h1) [Added October 2011]

| Status | Cal/EPA Required Change as of October 2011 |
|---|---|
| Description | Change the field length from AN(15) to AN(35) |
| Rationale | Based upon the already collected UST Tank data from UNIDOCS/CERS1, the field length is too short and needs to be lengthened to reflect actual/current business practices in the field. |
| Impacts | #464h1    Specify Other Vapor Recovery Piping Secondary Containment Construction |

### Revision of UST Tank *Vent Piping Transition Sumps* Field (#464i)

| Status | REQUIRED |
|---|---|
| Description | Change the code value for "None" from "03" to "90" |
| Rationale | All other UST form values for "None" are coded as 90 except for this field and #464i. This correction will apply consistency across the data standard. |
| Impacts | Only one of the three code values for this specific field (#464i) would change from "03" to "90." |

### Lengthen UST Tank *Specify Other Riser Pipe Primary Containment Construction* (#464j1) [Added October 2011]

| Status | Cal/EPA Required Change as of October 2011 |
|---|---|
| Description | Change the field length from AN(15) to AN(35) |
| Rationale | Based upon the already collected UST Tank data from UNIDOCS/CERS1, the field length is too short and needs to be lengthened to reflect actual/current business practices in the field. |
| Impacts | #464g1    Specify Other Riser Pipe Primary Containment Construction |

### Lengthen UST Tank *Specify Other Riser Pipe Secondary Containment Construction* (#464k1) [Added October 2011]

| Status | Cal/EPA Required Change as of October 2011 |
|---|---|
| Description | Change the field length from AN(15) to AN(35) |
| Rationale | Based upon the already collected UST Tank data from UNIDOCS/CERS1, the field length is too short and needs to be lengthened to reflect actual/current business practices in the field. |
| Impacts | #464k1    Specify Other Riser Pipe Secondary Containment Construction |

### Note on *Under Dispenser Containment Construction Type* Field (#469a)

| Status | REQUIRED; Direction Provided and Approval Given by DMSC |
|---|---|

| Description | The Tank Description UPCF has an additional value for field #269a *Dispenser Containment Construction Type* called "None" that is not included in the data dictionary. The "No Dispensers" and "None" values on the UPCF are equivalent, but all future data exchanges should use the "No Dispensers" value. |
|---|---|
| Rationale | The Tank Description UPCF shows an additional value ("None") for field #469a than is shown in the Data Dictionary (01=Single-walled; 02=Double-walled; 03=No Dispensers).<br><br><br><br>The DMSC determined the UPCF value of "None" is equivalent to the data dictionary value of "No Dispensers." The Data Dictionary will not be modified, but all data exchanges and conversions of old UPCF values should be mapped to the "No Dispensers" value (03) shown in the data dictionary. |
| Impacts | The CERS2 user interface and data exchanges will be limited to the three values defined in the data dictionary. Any legacy conversion of Tank Description UPCFs to electronic format should map the value of "None" to "No Dispensers." |

### Note on *Under Dispenser Containment (UDC) Construction Material* Field (#469b)

| Status | REQUIRED |
|---|---|
| Description | The *Under Dispenser Containment (UDC) Construction Material* field (#469b) on the Tank Description UPCF does not include two values included in the data dictionary for this field: "Concrete" and "None." |
| Rationale | The data dictionary is correct will not be modified. All future data exchanges and user interfaces should include these values missing from the Tank Description UPCF. |
| Impacts | The CERS2 user interface and data exchanges will include all of the values defined in the dataq dictionary for field #469b. |

### Revision of UST Certification of Installation *Type of Project* Field (#483a)

| Status | REQUIRED |
|---|---|
| Description | Replacement of #483a with five new true/false AN(1) fields (#483a-1 through #483a-5) that accept either "Y" or "N" codes. |
| Rationale | The UST Certification of Installation form instructions indicate that multiple values can be selected (e.g., Tank Installation, Piping Installation, etc.). The instructions also indicate the form can be completed for "…installation or upgrading of tanks **and/or** piping associated with a UST system…", implying multiple installation/upgrading activities can be represented on the form, justifying this correction. |
| Impacts | Field #483a is dropped.<br>The following AN(1) fields would be added accepting values of "Y" or "N":<br><ul><li>#483a-1 Project Type: Tank</li><li>#483a-2 Project Type: Piping</li><li>#483a-3 Project Type: Sump</li><li>#483a-4 Project Type: Under Dispenser Containment</li><li>#483a-5 Project Type: Other</li></ul> |

### Drop *Type of Action* Field (#490-1) from UST Monitoring Plan Form     [Added June 2011]

| Status | Cal/EPA Required Change as of June 2011 |
|---|---|
| Description | Eliminate this AN(2) field indicating if a Monitoring Plan submittal represents a "new" plan or |

| | a "change of information" for an existing plan. |
|---|---|
| **Rationale** | Cal/EPA has determined the most simple and efficient approach to electronically submitting UST monitoring plan data is to include it with data for a tank. This is because the existing Tank ID Number (#432) is too loosely defined to allow accurate/reliable association of separate tank and monitoring plan records in a data management system. CERS and UPA data systems will be implemented to ensure business users entering data manually can easily copy monitoring plan data to one tank to another tank(s), and businesses providing data electronically can readily accommodate this change. This field will be eliminated from the data dictionary because it reflects a paper-based process where tank and plan data were viewed/managed in a paper file rather than via a data management system. |
| **Impacts** | #490-1    Type of Action  [UST Monitoring Plan] |

### Drop UST Monitoring Plan *Plan Type* Field (#490-2)

| | |
|---|---|
| **Status** | REQUIRED |
| **Description** | UST Tank field #490-2 is AN(25) and allows the user to indicate all of the tanks a UST monitoring plan applies to. For purposes of data exchange, this field is deprecated. Cal/EPA's data exchange format will require all monitoring plan fields (490x fields) to be included in the submission for each tank, so there will not be a need to indicate which tank a monitoring plan applies to. |
| **Rationale** | The existing data dictionary AN(25) is unable to capture the implementation of this field as shown on the UST Monitoring Plan UPCF as it has no value/field for indicating plan applies to all tanks. Additionally, the field length is too short to apply to more than one or two typical tank numbers. Cal/EPA has determined the clearest approach for data exchange would be to include all 490 series fields with each tank's data (fields 430-470), even if that creates some duplication of 490 series data during a data exchange. CERS and UPA portals will implement a simple approach in the user interface for business users to "copy" already entered monitoring plan data from one tank to another. |
| **Impacts** | This field will not be defined or used in electronic data exchanges. |

### Lengthen UST Monitoring Plan *Electronic Monitor Panel Model #* (#490-8)   [Added October 2011]

| | |
|---|---|
| **Status** | Cal/EPA Required Change as of October 2011 |
| **Description** | Change the field length from AN(10) to AN(35) |
| **Rationale** | Based upon the already collected UST tank and monitoring plan data from UNIDOCS/CERS1, the field length is too short and needs to be lengthened to reflect actual/current business practices in the field. |
| **Impacts** | #490-8    Electronic Monitor Panel Model # |

### Lengthen UST Monitoring Plan *Leak Sensor Model #* (#490-10)   [Added October 2011]

| | |
|---|---|
| **Status** | Cal/EPA Required Change as of October 2011 |
| **Description** | Change the field length from AN(10) to AN(35) |
| **Rationale** | Based upon the already collected UST tank and monitoring plan data from UNIDOCS/CERS1, the field length is too short and needs to be lengthened to reflect actual/current business practices in the field. |
| **Impacts** | #490-10   Leak Sensor Model # |

### Lengthen UST Monitoring Plan *ATG Model #* (#490-13)   [Added October 2011]

| Status | Cal/EPA Required Change as of October 2011 |
|---|---|
| Description | Change the field length from AN(25) to AN(35) |
| Rationale | Based upon the already collected UST tank and monitoring plan data from UNIDOCS/CERS1, the field length is too short and needs to be lengthened to reflect actual/current business practices in the field. |
| Impacts | #490-13   ATG Model # |

### Lengthen UST Monitoring Plan *In-Tank Probe Model #* (#490-15)   [Added October 2011]

| Status | Cal/EPA Required Change as of October 2011 |
|---|---|
| Description | Change the field length from AN(25) to AN(35) |
| Rationale | Based upon the already collected UST tank and monitoring plan data from UNIDOCS/CERS1, the field length is too short and needs to be lengthened to reflect actual/current business practices in the field. |
| Impacts | #490-15   In-Tank Probe Model # |

### Correction of UST Monitoring *Plan Programmed Tank Tests* field (#490-18)

| Status | REQUIRED |
|---|---|
| Description | Change the description of first code value (01) from .01 GPH to .1 GPH to match the UPCF form. |
| Rationale | The UPCF UST Monitoring Plan form shows valid values for this field of 0.1 GPH, 0.2 GPH, and Other. Cal/EPA Technology Services believe that UPCF values are correct/intended value, so the Data Dictionary values need to be corrected to match the UPCF form. |
| Impacts | Only the description of one of three code values for this specific field (#490-18) would be changed from .01 to .1 GPH. |

### Lengthen UST Monitoring *Tank Gauging Test Period* Field (#490-22)   [Added June 2011]

| Status | Cal/EPA Required Change as of June 2011 |
|---|---|
| Description | Lengthen the field from AN(1) to AN(2) to be internally consistent with the two character codes shown in the Title 27 Data Dictionary. |
| Rationale | The Title 27 Data Dictionary field length is too small to store specified code values. Either the field is lengthened or the codes could be changed to numeric values. Cal/EPA decided to lengthen the field. |
| Impacts | #490-22   Tank Gauging Test Period |

### Lengthen UST Monitoring *Tank Integrity Testing Frequency* Field (#490-24)   [Added June 2011]

| Status | Cal/EPA Required Change as of June 2011 |
|---|---|
| Description | Lengthen the field from AN(1) to AN(2) to be internally consistent with the two character codes shown in the Title 27 Data Dictionary. |
| Rationale | The Title 27 Data Dictionary field length is too small to store specified code values. Either the field is lengthened or the codes could be changed to numeric values. Cal/EPA decided to lengthen the field. |
| Impacts | #490-24   Tank Integrity Testing Frequency |

### Lengthen UST Monitoring Plan *Specify Other Monitoring* (#490-27)   [Added October 2011]

| | |
|---|---|
| **Status** | Cal/EPA Required Change as of October 2011 |
| **Description** | Change the field length from AN(25) to AN(100) |
| **Rationale** | Based upon the already collected UST tank and monitoring plan data from UNIDOCS/CERS1, the field length is too short and needs to be lengthened to reflect actual/current business practices in the field. |
| **Impacts** | #490-53   Specify Other Pipeline Monitoring |

### Lengthen the UST Monitoring *Piping Secondary Containment* Field (#490-29)

| | |
|---|---|
| **Status** | REQUIRED |
| **Description** | Correct the length of the AN(1) field to AN(2) to handle the two digit code values |
| **Rationale** | Field length is too small to store specified code values. Either the field is lengthened or the codes could be changed to numeric values. This recommendation is to lengthen the field. |
| **Impacts** | Lengthen #490-29 from AN(1) to AN(2) |

### Lengthen UST Monitoring Plan *Panel Model #* (#490-31)   [Added October 2011]

| | |
|---|---|
| **Status** | Cal/EPA Required Change as of October 2011 |
| **Description** | Change the field length from AN(15) to AN(35) |
| **Rationale** | Based upon the already collected UST tank and monitoring plan data from UNIDOCS/CERS1, the field length is too short and needs to be lengthened to reflect actual/current business practices in the field. |
| **Impacts** | #490-31   Panel Model # |

### Lengthen UST Monitoring Plan *Leak Sensor Model* (#490-33)   [Added October 2011]

| | |
|---|---|
| **Status** | Cal/EPA Required Change as of October 2011 |
| **Description** | Change the field length from AN(15) to AN(35) |
| **Rationale** | Based upon the already collected UST tank and monitoring plan data from UNIDOCS/CERS1, the field length is too short and needs to be lengthened to reflect actual/current business practices in the field. |
| **Impacts** | #490-33   Leak Sensor Model |

### Lengthen UST Monitoring Plan *MLLD Model* (#490-38)   [Added October 2011]

| | |
|---|---|
| **Status** | Cal/EPA Required Change as of October 2011 |
| **Description** | Change the field length from AN(15) to AN(35) |
| **Rationale** | Based upon the already collected UST tank and monitoring plan data from UNIDOCS/CERS1, the field length is too short and needs to be lengthened to reflect actual/current business practices in the field. |
| **Impacts** | #490-38   MLLD Model |

### Lengthen UST Monitoring Plan *ELLD Model* (#490-41)   [Added October 2011]

| | |
|---|---|
| **Status** | Cal/EPA Required Change as of October 2011 |
| **Description** | Change the field length from AN(15) to AN(35) |
| **Rationale** | Based upon the already collected UST tank and monitoring plan data from UNIDOCS/CERS1, |

| | |
|---|---|
| | the field length is too short and needs to be lengthened to reflect actual/current business practices in the field. |
| **Impacts** | #490-41   ELLD Model |

### Lengthen UST Monitoring *ELLD Programmed In-Line Testing* Field (#490-42)   [Added June 2011]

| | |
|---|---|
| **Status** | Cal/EPA Required Change as of June 2011 |
| **Description** | Lengthen the field from AN(1) to AN(2) to be internally consistent with the two character codes shown in the Title 27 Data Dictionary. |
| **Rationale** | The Title 27 Data Dictionary field length is too small to store specified code values. Either the field is lengthened or the codes could be changed to numeric values. Cal/EPA decided to lengthen the field. |
| **Impacts** | #490-42   ELLD Programmed In-Line Testing |

### Lengthen UST Monitoring Plan *Specify Other Pipeline Monitoring* (#490-53)   [Added October 2011]

| | |
|---|---|
| **Status** | Cal/EPA Required Change as of October 2011 |
| **Description** | Change the field length from AN(25) to AN(100) |
| **Rationale** | Based upon the already collected UST tank and monitoring plan data from UNIDOCS/CERS1, the field length is too short and needs to be lengthened to reflect actual/current business practices in the field. |
| **Impacts** | #490-53   Specify Other Pipeline Monitoring |

### Lengthen UST Monitoring Plan *UDC Panel Model #* (#490-56)   [Added October 2011]

| | |
|---|---|
| **Status** | Cal/EPA Required Change as of October 2011 |
| **Description** | Change the field length from AN(15) to AN(35) |
| **Rationale** | Based upon the already collected UST tank and monitoring plan data from UNIDOCS/CERS1, the field length is too short and needs to be lengthened to reflect actual/current business practices in the field. |
| **Impacts** | #490-56   UDC Panel Model # |

### Lengthen UST Monitoring Plan *UDC Leak Sensor Model* (#490-58)   [Added October 2011]

| | |
|---|---|
| **Status** | Cal/EPA Required Change as of October 2011 |
| **Description** | Change the field length from AN(15) to AN(35) |
| **Rationale** | Based upon the already collected UST tank and monitoring plan data from UNIDOCS/CERS1, the field length is too short and needs to be lengthened to reflect actual/current business practices in the field. |
| **Impacts** | #490-58   UDC Leak Sensor Model |

### Lengthen UST Monitoring Plan *Specify Other Training Documents* (#490-60i)   [Added October 2011]

| | |
|---|---|
| **Status** | Cal/EPA Required Change as of October 2011 |
| **Description** | Change the field length from AN(35) to AN(100) |
| **Rationale** | Based upon the already collected UST tank and monitoring plan data from UNIDOCS/CERS1, the field length is too short and needs to be lengthened to reflect actual/current business practices in the field. |

| Impacts | #490-60i  Specify Other Training Documents |
|---|---|

## Lengthen UST Monitoring *UDC Secondary Containment Monitoring* Field (#490-64a)  [Added June 2011]

| Status | Cal/EPA Required Change as of June 2011 |
|---|---|
| Description | Lengthen the field from AN(1) to AN(2) to be internally consistent with the two character codes shown in the Title 27 Data Dictionary. |
| Rationale | The Title 27 Data Dictionary field length is too small to store specified code values. Either the field is lengthened or the codes could be changed to numeric values. Cal/EPA decided to lengthen the field. |
| Impacts | #490-64a              UDC Secondary Containment Monitoring |

## Lengthen UST Monitoring Plan *Comments and Additional Information* (#490-71)  [Added October 2011]

| Status | Cal/EPA Required Change as of October 2011 |
|---|---|
| Description | Change the field length from AN(150) to AN(300) |
| Rationale | Based upon the already collected UST tank and monitoring plan data from UNIDOCS/CERS1, the field length is too short and needs to be lengthened to reflect actual/current business practices in the field. |
| Impacts | #490-71  Comments and Additional Information |
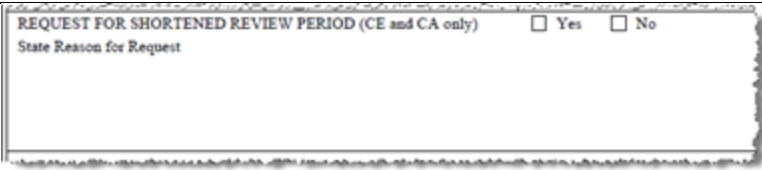
## Hazardous Waste Generate-related Field Changes

### Drop *Total Number of Recyclable Materials* Field (#519)    [Added June 2011]
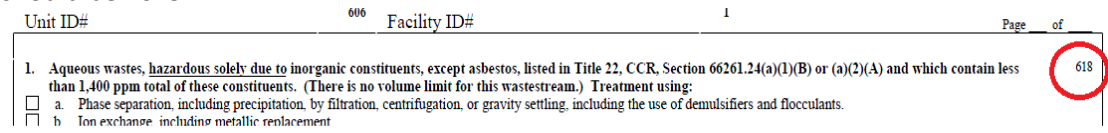
| Status | Cal/EPA Required Change as of June 2011 |
|---|---|
| Description | Eliminate this numeric field which must be provided on each copy of a *Recyclable Materials Report-Page 2* form showing the total count of such forms in the facility's submittal. |
| Rationale | This value can be auto-calculated as necessary in Cal/EPA and UPA data management systems. By dropping this field, it eliminates the need for Cal/EPA and UPA data management systems to reconcile/address discrepancies if the value does not match the record count provided by the business. |
| Impacts | #519              Total Number of Recyclable Materials |

### Add Two Fields related to Shortened Review Period to Onsite HazWaste Treatment Notification-Facility (#601f & #601g)
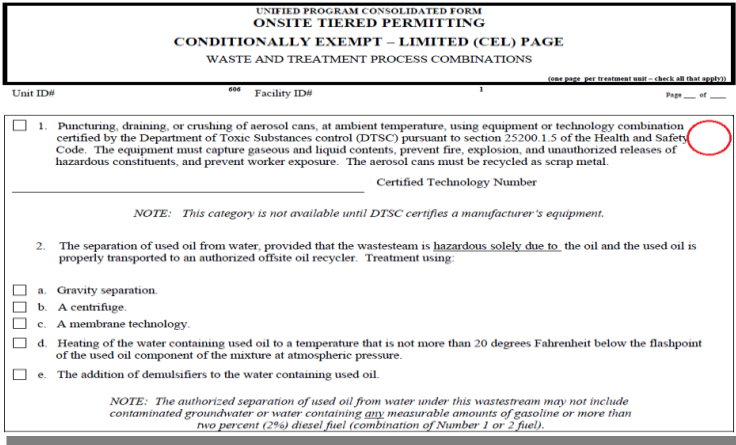
| Status | REQUIRED; Direction Provided and Approval Given by DMSC |
|---|---|
| Description | The Onsite Hazardous Waste Treatment Notification-Facility UPCF includes a Y/N field captioned "Request for Shortened Review Period (CE and CA only)" along with a text field for the reason that does not have a matching field in Title 27. Neither of these fields is represented in the data dictionary. |

| | |
|---|---|
| |  |
| **Rationale** | The DMSC determined these fields should be added to the data dictionary. |
| **Impacts** | Add two fields be added to the Data Dictionary:<br>#601f  *Shortened Review Request*   AN(1) with valid values Y or N<br>#601g  *Shortened Review Justification* AN(300) |

## Note on Field Labeling Error on Conditionally Authorized (CA) UPCF (#629)

| | |
|---|---|
| **Status** | INFORMATIONAL ONLY NOTE |
| **Description** | The Conditionally Authorized (CA) UPCF mislabels the Data Dictionary field as #618 when it should be #629.<br> |
| **Rationale** | Designers of Unified Program-related user interfaces and data exchanges should be aware of this error on the UPCF and consult the data dictionary. |
| **Impacts** | The UPCF form will be corrected as time and resources allow. |

## Note on Missing Field Label on Conditionally Exempt-Limited (CEL) UPCF (#631)

| | |
|---|---|
| **Status** | INFORMATIONAL ONLY NOTE |
| **Description** | The Conditionally Exempt-Limited (CEL) UPCF is missing a label for the data dictionary field #631.<br> |
| **Rationale** | Designers of Unified Program-related user interfaces and data exchanges should be aware of this omission on the UPCF and consult the data dictionary. |
| **Impacts** | The UPCF form will be corrected as time and resources allow. |

## Lengthen *Description of Remote Consolidation Location(s)* (#724)   [Added June 2011]

| | |
|---|---|
| **Status** | Cal/EPA Required Change as of June 2011 |
| **Description** | Field #724 is for providing a description of the type of remote location(s) and sources(s) from |

| | which non-RCRA hazardous waste will be collected. The field length will be increased from AN(150), which is approximately a sentence, to AN(700), which is approximately a long paragraph. |
|---|---|
| **Rationale** | Field is very short to support much description or other information. This lengthening would allow the field to act as the equivalent of a comments field on this form. |
| **Impacts** | Lengthen #724 from AN(150) to AN(700). |

### Lengthen *Basis for Not Needing a Federal Permit (Remote Consolidation) = Other* Field (#729b)

| | |
|---|---|
| **Status** | REQUIRED; Direction Provided and Approval Given by DMSC |
| **Description** | The Remote Waste Consolidation Site Annual Notification field #729b is AN(60) for providing a description of other reason(s) activity is not subject to permitting requirements under Federal law. The field would be lengthened to AN(300). |
| **Rationale** | Field is very short to support much description or other information. This lengthening would allow the field to act as the equivalent of a comments field on this form. |
| **Impacts** | Lengthen #729b from AN(60) to AN(300). |

## Inspection Field Changes

### Drop *Pct RTC 90* Field (#909)

| | |
|---|---|
| **Status** | REQUIRED; Direction provided and approval given by DMSC |
| **Description** | Remove field #909 (Pct RTC 90) from Inspection. |
| **Rationale** | The T27-DD definition for Field #909 is: "Percent (whole number) of routine inspections with Class I or Class II Violations that Returns to Compliance within 90 Days." Because this field attempts to summarize Return To Compliance data for multiple inspections, it is not appropriate to include at the Inspection detail level. Additionally, this information can be derived from inspection detail data submitted to Cal/EPA by UPAs. |
| **Impacts** | #909      Pct RTC 90 |

### Drop/Move *Red Tag Issued* Field (#913b)

| | |
|---|---|
| **Status** | REQUIRED; Direction provided and approval given by DMSC |
| **Description** | Remove field #913b (Red Tag Issued) from Inspection; field belongs in Enforcement definition. |
| **Rationale** | Red Tagging an Underground Storage Tank is considered an Enforcement Action for the purposes of summary information, and therefore the associated data belongs in Enforcement. This field has been removed from the Inspection definition and added to the Enforcement definition. |
| **Impacts** | #913b     Red Tag Issued |

### Drop/Move *Red Tag Number* Field (#913c)

| | |
|---|---|
| **Status** | REQUIRED; Direction provided and approval given by DMSC |
| **Description** | Remove field #913c (Red Tag Number) from Inspection; field belongs in Enforcement. |

| Rationale | Red Tagging an Underground Storage Tank is considered an Enforcement Action for the purposes of summary information, and therefore the associated data belongs in Enforcement. This field has been removed from the Inspection definition and added to the Enforcement definition. |
|---|---|
| Impacts | #913c    Red Tag Number |

### Drop/Move *Violations Causing Red Tag* Field (#913d)

| Status | REQUIRED; Direction provided and approval given by DMSC |
|---|---|
| Description | Remove field #913d (Violations Causing Red Tag) from Inspection; field belongs in Enforcement. |
| Rationale | Red Tagging an Underground Storage Tank is considered an Enforcement Action for the purposes of summary information, and therefore the associated data belongs in Enforcement. This field has been removed from the Inspection definition and added to the Enforcement definition. |
| Impacts | #913d    Violations Causing Red Tag |

### Drop/Move *Date Red Tag Affixed* Field (#913e)

| Status | REQUIRED; Direction provided and approval given by DMSC |
|---|---|
| Description | Remove field #913e (Date Red Tag Affixed) from Inspection; field belongs in Enforcement. |
| Rationale | Red Tagging an Underground Storage Tank is considered an Enforcement Action for the purposes of summary information, and therefore the associated data belongs in Enforcement. This field has been removed from the Inspection definition and added to the Enforcement definition. |
| Impacts | #913e    Date Red Tag Affixed |

### Drop/Move *Date Red Tag Removed* Field (#913f)

| Status | REQUIRED; Direction provided and approval given by DMSC |
|---|---|
| Description | Remove field #913f (Date Red Tag Removed) from Inspection; field belongs in Enforcement. |
| Rationale | Red Tagging an Underground Storage Tank is considered an Enforcement Action for the purposes of summary information, and therefore the associated data belongs in Enforcement. This field has been removed from the Inspection definition and added to the Enforcement definition. |
| Impacts | #913f    Date Red Tag Removed |

### Drop/Move *Type of Enforcement Action* Field (#914)

| Status | REQUIRED; Direction provided and approval given by DMSC |
|---|---|
| Description | Remove field #914 (Type of Enforcement Action) from Inspection; field belongs in Enforcement. |
| Rationale | Field #914 (Type of Enforcement Action) provides additional information about an Enforcement and was incorrectly placed in the Inspection definition. |
| Impacts | #914    Type of Enforcement |

### Drop/Move *Date a Referred Case Settled or Dropped* Field (#917a) [Added June 2011]

| Status | Cal/EPA Required Change as of June 2011 |
|---|---|

| Description | Remove field #917a (Date a Referred Case Settled or Dropped) from Inspection; field belongs in Enforcement. |
|---|---|
| Rationale | This field provides additional information about referred cases initiated as part of an Enforcement Action.  As such, this data does not belong as part of the Inspection definition.  This field has been removed from the Inspection definition and added to the Enforcement definition. |
| Impacts | #917a     Date a Referred Case Settled or Dropped |

## Add *Inspection Comments* Field (#929)

| Status | REQUIRED; Direction provided and approval given by DMSC |
|---|---|
| Description | Add new field #929 (Inspection Comments) of type AN(1000) to capture additional Inspection data (as necessary). |
| Rationale | Several smaller regulators have expressed interest in using CERS as their primary repository for managing their Inspection/Enforcement data.  This additional field would help these agencies and would not impact other agencies. |
| Impacts | #929      Inspection Comments |

# Violation Field Changes

## Define New *Violation Information* Specification

| Status | REQUIRED; Direction Provided and Approval Given by DMSC; Fields #933 and #935 are Cal/EPA Required Changes as of June 2011 |
|---|---|

| Description | | | | | | |
|---|---|---|---|---|---|---|
| | ID | ELEMENT | CODES/CRITERIA | LENGTH | TYPE | INFORMATION DESCRIPTION |
| | 1 | Facility ID Number | 2 AN (county) 3 AN (jurisdiction) 6 AN (facility number) | 11 | AN | Number to allow cross linking of data. County and jurisdiction number are based on the tax code list.  This number is assigned by the CUPA.  This is the unique number identifying the facility. |
| | 1a | CERS ID | | 9 | N | CERS ID used for electronic data exchange. |
| | 3 | Business Name | Postal standard: 2 lines, 35 characters | 70 | AN | Full legal name of business. |
| | 930 | Violation Type ID | | 7 | AN | 4-digit or 7-digit number referencing a Violation Type in the Violation Dictionary. The Violation Dictionary defines the Program violated, the type of violation, and the Code/Regulations and Citation(s) violated. |
| | 931 | Violation Classification | 1 = Class 1 2 = Class 2 9 = Minor | 1 | AN | Defines the Violation Classification for this Violation ( 'Class I', 'Class II', or 'Minor'). |
| | 932 | Violation Date | YYYY-MM-DD | 10 | D | Date the violation occurred. |
| | 933 | *Violation Scheduled Return to Compliance Date* | *YYYY-MM-DD* | *10* | *D* | *Scheduled Return-to-Compliance Date for this violation.* [Added June 2011] |
| | 934 | Violation Actual Return to Compliance Date | YYYY-MM-DD | 10 | D | Actual Return-to-Compliance Date for this violation. |
| | 935 | *Violation Actual Return to Compliance* | *1 = Documented 2 = Observed* | *1* | *AN* | *Actual Return-to-Compliance Qualifier for this violation.* |

| | | | | | |
|---|---|---|---|---|---|
| | *Qualifier* | *3 = Not Resolvable*<br>*4 = Unobserved* | | | *[Added June 2011]* |
| 936 | Violation Comment | | 1000 | AN | Additional details about this violation (for example, a UST Tank #, location within a facility, etc.) |

| | |
|---|---|
| **Rationale** | Cal/EPA intends to support expanded EDT of inspection and enforcement data that includes detailed violation information for inspections and a listing of relevant violations and enforcements.  Creation of a new "Violation Information" specification in the Unified Program Data Dictionary would address various mandates that are not yet fully expressed in Title 27 regulations.  After the DMSC approved the Violation definition, Cal/EPA staff identified two additional fields that needed to be added to the definition to meet federal reporting requirements (#933 and #936). |
| **Impacts** | New "Violation Information" specification added to Unified Program Data Dictionary.  New field #'s added to the Data Dictionary include the following:<br>#930     Violation Type ID<br>#931     Violation Classification<br>#932     Violation Date<br>#933     Violation Scheduled Return to Compliance Date [Added June 2011]<br>#934     Violation Actual Return to Compliance Date<br>#935     Violation Actual Return to Compliance Qualifier [Added June 2011]<br>#936     Violation Comment |

### Add *Violation Scheduled Return to Compliance Date* Field (#933) [Added June 2011]

| | |
|---|---|
| **Status** | Cal/EPA Required Change as of June 2011 |
| **Description** | Add new date field #933 (Violation Scheduled Return to Compliance) (YYYY-MM-DD) to the Violation definition to allow tracking Scheduled RTC for outstanding Violations. |
| **Rationale** | This field is conditionally-required as part of electronic exchange of Violation Details with US EPA's RCRAInfo system.  Violations must have either a Scheduled RTC or Actual RTC to satisfy RCRA electronic change rules.  Therefore, this field must be added to the Violation definition to allow exchange of Violations that have not yet returned to compliance. |
| **Impacts** | #933     Violation Scheduled Return to Compliance Date |

### Add *Violation Actual Return to Compliance Qualifier* Field (#935) [Added June 2011]

| | |
|---|---|
| **Status** | Cal/EPA Required Change as of June 2011 |
| **Description** | Add new field #935 (Violation Actual Return to Compliance Qualifier) to the Violation definition to allow tracking the method used to determine that the Violation has returned to compliance. |
| **Rationale** | This field is conditionally-required as part of electronic exchange of Violation Details with RCRAInfo.  Violations with a 'Violation Actual Return to Compliance Date' must also specify the method with which this compliance was determined through the use of a Qualifier.  Therefore, this field must be added to the Violation definition to allow exchange of Violations that have returned to compliance. |
| **Impacts** | #935     Violation Actual Return to Compliance Qualifier |

# Enforcement Field Changes

## Drop *Program Element* field description for Enforcement reporting (#905) [Added June 2011]

| | |
|---|---|
| **Status** | Cal/EPA Required Change as of June 2011 |
| **Description** | Drop field #905 from the Enforcement portion of the data dictionary. It would still be retained in the Inspection portion of the data dictionary. |
| **Rationale** | This is a needed correction to reflect reporting enforcement actions on a **per action** basis, rather than as a summary of actions **per program element**. Current business practices allow an enforcement action to span multiple program elements. CUPAs will provide this level of detail using the Unified Program data dictionary fields for enforcements and violations. Note: The Enforcement fields in the data dictionary do NOT reflect the fields needed for the mandated annual summary report on enforcements which are submitted by CUPAs (Report 4). The required data elements for the UPA Enforcement Summary (Report 4) are defined separately from the Unified Program Data Dictionary in CCR 27 §15290(a)(3). |
| **Impacts** | #905      Program Element [Enforcement] |

## Add *Red Tag Issued* Field (#913b)

| | |
|---|---|
| **Status** | REQUIRED; Direction provided and approval given by DMSC |
| **Description** | Add field #913b (Red Tag Issued) to Enforcement. Field was previously part of Inspection; remove from Inspection and add to Enforcement. |
| **Rationale** | This field was dropped from the Inspection definition and moved into the Enforcement definition. Red Tagging an Underground Storage Tank is considered an Enforcement Action for the purposes of summary information, and therefore the associated data belongs in Enforcement. |
| **Impacts** | #913b     Red Tag Issued |

## Add *Red Tag Number* Field (#913c)

| | |
|---|---|
| **Status** | REQUIRED; Direction provided and approval given by DMSC |
| **Description** | Add field #913c (Red Tag Number) to Enforcement. Field was previously part of Inspection; remove from Inspection and add to Enforcement. |
| **Rationale** | This field was dropped from the Inspection definition and moved into the Enforcement definition. Red Tagging an Underground Storage Tank is considered an Enforcement Action for the purposes of summary information, and therefore the associated data belongs in Enforcement. |
| **Impacts** | #913c     Red Tag Number |

## Add *Violations Causing Red Tag* Field (#913d)

| | |
|---|---|
| **Status** | REQUIRED; Direction provided and approval given by DMSC |
| **Description** | Add field #913d (Violations Causing Red Tag) to Enforcement. Field was previously part of Inspection; remove from Inspection and add to Enforcement. |
| **Rationale** | This field was dropped from the Inspection definition and moved into the Enforcement definition. Red Tagging an Underground Storage Tank is considered an Enforcement Action for the purposes of summary information, and therefore the associated data belongs in Enforcement. |
| **Impacts** | #913d     Violations Causing Red Tag |

## Add *Date Red Tag Affixed* Field (#913e)

| | |
|---|---|
| **Status** | REQUIRED; Direction provided and approval given by DMSC |
| **Description** | Add field #913e (Date Red Tag Affixed) to Enforcement.  Field was previously part of Inspection; remove from Inspection and add to Enforcement. |
| **Rationale** | This field was dropped from the Inspection definition and moved into the Enforcement definition. Red Tagging an Underground Storage Tank is considered an Enforcement Action for the purposes of summary information, and therefore the associated data belongs in Enforcement. |
| **Impacts** | #913e    Date Red Tag Affixed |

## Add *Date Red Tag Removed* Field (#913f)

| | |
|---|---|
| **Status** | REQUIRED; Direction provided and approval given by DMSC |
| **Description** | Add field #913f (Date Red Tag Removed) to Enforcement.  Field was previously part of Inspection; remove from Inspection and add to Enforcement. |
| **Rationale** | This field was dropped from the Inspection definition and moved into the Enforcement definition. Red Tagging an Underground Storage Tank is considered an Enforcement Action for the purposes of summary information, and therefore the associated data belongs in Enforcement. |
| **Impacts** | #913f    Date Red Tag Removed |

## Add *Type of Enforcement Action* Field (#914)

| | |
|---|---|
| **Status** | Cal/EPA Required Change as of June 2011 |
| **Description** | Add field #914 (Type of Enforcement Action) to the Enforcement definition. This field was originally part of the Inspection definition. |
| **Rationale** | Field #914 (Type of Enforcement Action) provides additional information about an Enforcement and was incorrectly placed in the Inspection definition. |
| **Impacts** | #914    Type of Enforcement Action |

## Add *Date a Referred Case Settled or Dropped* Field (#917a) [Added June 2011]

| | |
|---|---|
| **Status** | Cal/EPA Required Change as of June 2011 |
| **Description** | Add field #917a (Date a Referred Case Settled or Dropped) to Enforcement.  Field was previously part of Inspection; remove from Inspection and add to Enforcement. |
| **Rationale** | This field defines additional information about the status of a specific enforcement action, and was incorrectly associated with the Inspection definition. |
| **Impacts** | #917a    Date a Referred Case Settled or Dropped |

## Drop *Significant Non-Complier* Field (#921)

| | |
|---|---|
| **Status** | REQUIRED; Direction provided and approval given by DMSC |
| **Description** | Remove field #921 (Significant Non-Complier) from Enforcement. |
| **Rationale** | The T27-DD definition for Field #921 is: "Only applies to RCRA hazardous waste facilities.  SNC is defined under federal rules."  Because this data is not collected in California, this field can be removed from the Title 27 Enforcement definition, and would not be included in Enforcement EDT.  Where Cal/EPA needs to provide this data to US EPA, this fields value can |

| | be derived from a facility's Inspection records. |
| --- | --- |
| **Impacts** | #921    Significant Non-Complier Field |

### Add *Enforcement Comments* Field (#925)

| **Status** | REQUIRED; Direction provided and approval given by DMSC |
| --- | --- |
| **Description** | Add new field #925 (Enforcement Comments) of type AN(1000) to capture additional Enforcement data (as necessary). |
| **Rationale** | Several smaller regulators have expressed interest in using CERS as their primary repository for managing their inspection/enforcement data.  This additional field would help these agencies and would not impact other agencies. |
| **Impacts** | #925    Enforcement Comments |

# C. Miscellaneous Notes

### Availability of CERS XML Data Exchange Schemas

Cal/EPA staff anticipates draft versions of the CERS XML data exchange schemas to be available during July 2011 and final versions in August 2011. Information about and links to these schemas will be available at https://cers.calepa.ca.gov/edt/ .

### CERS System-Required Fields

The Title 27/Unified Program Data Dictionaries define the *facility-specific* data elements that businesses report to government. However, to successfully transfer data in XML format between businesses, UPAs, and Cal/EPA, various additional *control and status fields* need to be exchanged as well. A listing of these system-required fields with definitions and usage is available on the CERS Data Registry at https://cersapps.calepa.ca.gov/DataRegistry/DataElements?dataSourceID=49

### CERS Supplemental Fields  [Added October 2011]

The Title 27/Unified Program Data Dictionaries define the *facility-specific* data elements that businesses report to government. There are some fields which may be of value for businesses and/or regulators to exchange if available, but would not be required or mandated. Cal/EPA had identified a small collection of these fields in the CERS Supplemental Fields data dictionary, available on the CERS Data Registry at https://cersapps.calepa.ca.gov/DataRegistry/DataElements?dataSourceID=49

### Hazardous Waste Tank Closure Certification Fields (#740-764)

Cal/EPA staff have determined that this form is typically prepared/edited in the field by multiple parties and is not amenable to electronic submission by businesses. So the form will only be accepted as a document upload into CERS via the user interface or XML data exchange. Although the fields on this form #740-#764 will continue to be shown in the Unified Program Data Dictionary, they will NOT be included in the CERS XML data exchange schemas.

### Compliance Activity Information Fields (#900-#904)

Title 27 Data Dictionary fields listed under "Compliance Activity Information" will not be implemented in the initial CERS XML schemas. This includes fields #900 through #904.  Field #900 (*RCRA Large Quantity Generator*

*(LQG) of Hazardous Waste*) is nearly equivalent to the value of #14a (*RCRA Large Quantity Generator (LQG)*) for a reviewed/accepted business plan.

## Tiered Permitting Release Information Fields (#922-#924)
Title 27 Data Dictionary fields listed under "Tiered Permitting Release Information" will not be implemented in the initial CERS XML schemas. This includes fields #922 through #924.

## Future Revisions of the Data Dictionary (and XML Data Exchange Schemas)
Due to the complexity of the Unified Program Data Dictionary and the associated code for generating, using, and/or consuming this data in Cal/EPA's CERS system and the various UPA data management systems, Cal/EPA anticipates data dictionary/schema revisions will occur no more than on an annual basis. Any revisions would need to be reviewed, prioritized, and approved by the CERS Change Management Committee following a proscribed annual schedule adopted by the DMSC. After approval, Cal/EPA would announce an implementation schedule for the changes which would include several months for CERS implementation of the changes, followed by several months for UPA implementation of the changes where data formatted with either the old or new dictionary/schemas would be accepted into CERS.

## Constituent Reporting for Hazard materials and Recyclable Materials
The *Chemical Description* and *Recyclable Materials Report-Page 2* UPCFs indicate reporting of additional constituents beyond what is shown on the form should be done as attachments. However, the Title 27 Data Dictionary explicitly defines a limited number of constituent fields (5 for hazardous materials, 4 for recyclable materials). For CERS electronic reporting purposes, Cal/EPA has opted to follow the standards provided in the Title 27 Data Dictionary, which means businesses can report on no more than the number of constituents allowed by the Data Dictionary.

# Appendix A: Summary of Data Dictionary Changes Introduced October 2012 [Added October 2011]

Cal/EPA announced in October 2011 the the following fields required modification from their previously published Title 27 and/or Unified Program Data Dictionary values to accommodate Unified Program electronic reporting mandates. The changes involve extending the length of the UST Tank ID to follow actual business practices in the field, extending the length of various UST Tank and Monitoring Plan fields to match actual business practices in the field, redefining the various street address fields to NOT include 2 lines of text because it was not practical to implement electronically, and the addition of a supplemental location text field to capture non-formal address/locational information for a facility/site.

| | *Modified* | | | **New** | | | |
|---|---|---|---|---|---|---|---|

| ID | ELEMENT | CODES/CRITERIA | LENGTH | TYPE | INFORMATION DESCRIPTION | MINIMALLY REQUIRED | XML TAG |
|---|---|---|---|---|---|---|---|
| **UST Tank Fields with Extended Length Changes** | | | | | | |
| 432 | Tank ID # | | *24 (was 6)* | AN | This is a unique tank identifier used by the owner and Local Agency to identify the tank. The Local Agency will assign the Tank ID# as the permanent State tank identification number. | True | TankIDNumber |
| 439a | Specify Other Tank Use | Narrative | *35 (was 15)* | AN | Specify other tank use. | False | OtherTankUse |
| 440a | Specify Other Petroleum | Narrative | *35 (was 15)* | AN | Specify other petroleum contents. | False | OtherPetroleum |
| 440b | Specify Other Non-Petroleum | Narrative | *35 (was 15)* | AN | Specify other non-petroleum contents. | False | OtherNonPetroleum |
| 444a | Specify Other Primary Containment Construction | Narrative | *35 (was 15)* | AN | Specify other construction of the primary containment. | False | OtherPCConstruction |
| 445a | Specify Other Secondary Containment Construction | Narrative | *35 (was 15)* | AN | Specify other construction of the secondary containment. | False | OtherSCConstruction |
| 464a | Specify Other Product/Waste Piping Primary Containment Construction | Narrative | *35 (was 15)* | AN | Describe other construction material for the primary containment. | False | OtherPipingPCConstruction |
| 464c | Specify Other Product/Waste Piping Secondary Containment Construction | Narrative | *35 (was 15)* | AN | Describe other construction. | False | OtherPipingSCConstruction |
| 464e1 | Specify Other Vent Piping Primary Containment Construction | Narrative | *35 (was 15)* | AN | Describe other vent primary containment construction material. | False | OtherVPCConstruction |
| 464f1 | Specify Other Vent Piping Secondary Containment Construction | Narrative | *35 (was 15)* | AN | Describe other vent secondary containment construction material. | False | OtherVSCConstruction |
| 464g1 | Specify Other Vapor Recovery Piping Primary Containment Construction | Narrative | *35 (was 15)* | AN | Describe other vapor recovery primary containment construction material. | False | OtherVRPCConstruction |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 464h1 | Specify Other Vapor Recovery Piping Secondary Containment Construction | Narrative | 35 (was 15) | AN | Describe other vapor recovery secondary containment construction material. | False | OtherVRSCConstruction |
| 464j1 | Specify Other Riser Pipe Primary Containment Construction | Narrative | 35 (was 15) | AN | Describe other riser pipe primary containment construction material. | False | OtherRPPCConstruction |
| 464k1 | Specify Other Riser Pipe Secondary Containment Construction | Narrative | 35 (was 15) | AN | Describe other riser pipe secondary containment construction material. | False | OtherRPSCConstruction |
| 469c | Specify Other Under Dispenser Containment (UDC) Construction Material | Narrative | 35 (was 15) | AN | Specify other under dispenser containment (UDC) construction material. | False | OtherUDCConstructionMaterial |
| **UST Monitoring Plan Fields with Extended Length Changes** | | | | | | | |
| 490-8 | Electronic Monitor Panel Model # | | 35 (was 10) | AN | Model number of electronic monitor panel. | False | EMPModelNumber |
| 490-10 | Leak Sensor Model # | | 35 (was 10) | AN | Model number of leak sensor | False | LeakSensorModelNum |
| 490-13 | ATG Model # | | 35 (was 25) | AN | Model of ATG panel | False | ATGModelNum |
| 490-15 | In-tank Probe Model # | | 35 (was 25) | AN | Model number of ATG in-tank probe. | False | InTankProbeModelNum |
| 490-31 | Panel Model # | | 35 (was 15) | AN | Model number of panel. | False | PanelModelNum |
| 490-33 | Leak Sensor Model | | 35 (was 15) | AN | Model of leak sensor. | False | PipeLeakSensorModel |
| 490-38 | MLLD Model | | 35 (was 15) | AN | Model of leak detector. | False | MLLDModel |
| 490-41 | ELLD Model | | 35 (was 15) | AN | Model of electronic line leak detector (ELLD). | False | ELLDModel |
| 490-56 | UDC Panel Model # | | 35 (was 15) | AN | Model # of under dispenser containment (UDC) panel. | False | UnderDispenserModelPanelModelNum |
| 490-58 | UDC Leak Sensor Model | | 35 (was 15) | AN | Model # of under dispenser containment (UDC) leak sensor. | False | UnderDispenserModelOfLeakSensor |
| 490-71 | Comments and Additional Information | Narrative | 300 (was 150) | AN | Additional information to support the application for an operating permit. | False | CommentsAdditionalInformation |
| 490-27 | Specify Other Monitoring | Narrative | 100 (was 25) | AN | Specifies the "other " type of monitoring | False | OtherMonitoring |
| 490-53 | Specify Other Pipeline Monitoring | Narrative | 100 (was 25) | AN | Identifies other monitoring option. | False | OtherPipelineMonitoring |
| 490-69i | Specify Other Training Documents | Narrative | 100 (was 35) | AN | List of the other training documents that are used. | False | SpecifyTrainingOther |
| **Street Address Field Formatting Instructions Changes** | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 103 | Business Site Address | *Postal standard: 2 lines, 35 characters* | 70 | AN | Street address where facility is located. No post office box numbers are allowed. This information must provide a means to geographically locate the facility. | True | SiteAddress |
| 108a | Business Mailing Address | *Postal standard: 2 lines, 35 characters* | 70 | AN | Mailing address of facility | True | MailingAddress |
| 113 | Business Owner Mailing Address | *Postal standard: 2 lines, 35 characters* | 70 | AN | Mailing address of owner, if different from business site address. | True | OwnerMailAddress |
| 119 | Environmental Contact Mailing Address | *Postal standard: 2 lines, 35 characters* | 70 | AN | Mailing address for all environmental contact correspondence, if different from the site address. | True | EContactMailingAddress |
| 143 | Billing Address | *Postal standard: 2 lines, 35 characters* | 70 | AN | Mailing address for billing-related correspondence. | True | BillingAddress |
| 174 | Property Owner Mailing Address | *Postal standard: 2 lines, 35 characters* | 70 | AN | Mailing address of facility's property owner. | False | PropertyOwnerMailingAddress |
| 409 | Property Owner Mailing Address | *Postal standard: 2 lines, 35 characters* | 70 | AN | Mailing address of property owner. | True | POMailingAddress |
| 416 | Tank Owner Mailing Address | *Postal standard: 2 lines, 35 characters* | 70 | AN | Mailing address of tank owner, if different from business owner on UPCF Business Owner/Operator Identification page. | True | TOwnerMailingAddress |
| 428-3 | Tank Operator Mailing Address | *Postal standard: 2 lines, 35 characters* | 70 | AN | Mailing address of UST operator, if different from business owner. | True | TankOperatorMailingAddress |
| 506 | Street Address (Offsite Generator) | *Postal standard: 2 lines, 35 characters* | 70 | AN | Street address for offsite generator of recyclable material. No post office box numbers are allowed. This information must provide a means to geographically locate the facility. | False | OffsiteAddress |
| 511 | Mailing Address (Offsite Generator) | *Postal standard: 2 lines, 35 characters* | 70 | AN | Mailing address for offsite generator of recyclable material, if different from street address. | False | MailingOffsiteAddress |
| 711 | Financial Institution or Surety Address | *Postal standard: 2 lines, 35 characters* | 70 | AN | Address of financial institution, insurance company, surety company, or other appropriate organization used to establish the closure financial assurance. | False | FinancialInstitutionAddress |
| 741 | Tank Owner Address (Closure) | *Postal standard: 2 lines, 35 characters* | 70 | AN | Street or mailing address of tank owner, if different from business owner. | False | TOAddress |
| 756 | Certifier Address (Tank Closure) | *Postal standard: 2 lines, 35 characters* | 70 | AN | Address of person signing the page. | False | CertifierAddress |
| **New/Added Field for Facility Site Supplemental Location Text** | | | | | | | |
| **103a** | **Supplemental Location Text** | | **30** | **AN** | **Contains additional locational information where the formal address unclear or not available.** | **False** | **SiteAddressSupplemental** |