



# SWIS Digital Inspections: Introduction

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- ▶ Alternative method for LEAs to submit solid waste facility inspection data in electronic format rather than paper.
- ▶ Two methods initially offered:
  - ▶ Data entry by authorized users using a secured web form.
  - ▶ Uploading of batch data in specified XML format.
- ▶ Batch data must be uploaded using the XML schema (data specification) provided by the CIWMB.
- ▶ Using batch process will require LEAs to seek their own IT assistance—CIWMB cannot provide IT training/consulting.
- ▶ Optional program—LEAs can continue with paper forms.
- ▶ Testing Site Available at <http://www.ciwmb.ca.gov/SWIS/DIP/>



# Project Goals:

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- ▶ Board response to CCDEH and LEA requests “to set in place XML-based electronic reporting system.”
- ▶ Develop an approach based on standard industry technologies and practices (XML, web services).
- ▶ Use pragmatic technical approaches accessible/adoptable by as many LEAs and their database vendors as practical.
- ▶ Implement service relatively quickly.
- ▶ Minimize costs to the CIWMB.



# Three ways to submit data!

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- ▶ Easy:

  - Single inspection data entry using web form

- ▶ More Complex:

  - Multiple inspections by uploading an XML data file.

- ▶ Most Complex:

  - “Real-time” single or multiple inspection submitted via XML to a web service.



# Single Inspection Data Entry via a Web Form

SWIS Online v1.0.0 Authorized Use Only Home | Reports | Help | Sign Out

LEA Self Testing

## Inspection Report: Disposal Facility Inspection Report (52)

Fields marked with \* (asterisk) are required.

Save Cancel

**Enforcement Agency Self Test Mode**

**Inspection Report Status**

Status: Submit To Board

**Enforcement Agency:** County of Kern

**SWIS Number:** \* 15-AA-0273 [SWIS Number Lookup](#)

**Program Code (Select only one code):** \*

LEA Periodic  LEA Focused

**Received Date:** 11/5/2008

**Inspection Date:** \*

**Time In:**  **Time Out:**

**Inspection Time:**

**Received By (Operator):** County of Kern Waste Management Dept.

**Owner:**

**Also Present:**

**Facility Name:** Bakersfield Metropolitan (Bena) SLF

**Facility Location:** 2951 Neumarkel Road

**Inspector:** \*

**No Violations Or Area's Of Concern On Inspection Report:**

**Owner/Operator Email:**  **Latitude:**  **Longitude:**

V	A	Permits	
<input type="checkbox"/>	<input type="checkbox"/>	PRC 44004(a) - Significant Change	<a href="#">Add/Edit Comments</a>
<input type="checkbox"/>	<input type="checkbox"/>	PRC 44014(b) - Operator Complies with Terms & Conditions of Permit	<a href="#">Add/Edit Comments</a>
<input type="checkbox"/>	<input type="checkbox"/>	21640 - Review of Permits	<a href="#">Add/Edit Comments</a>

*Change this status to Draft if you do not wish to immediately submit the inspection to CIWMB.*

*Enter inspector name (required field)*

*Select this box if inspection does not have any Violations or Areas of Concern, otherwise, select on or more of these below*

*Enter or select (via the date picker) the inspection date (required field)*

*Select Program Code (required field)*

*Each Violation or Area of Concern must have specific comments. Select the Add/Edit Comments link to add these*

# Batch upload of XML Data

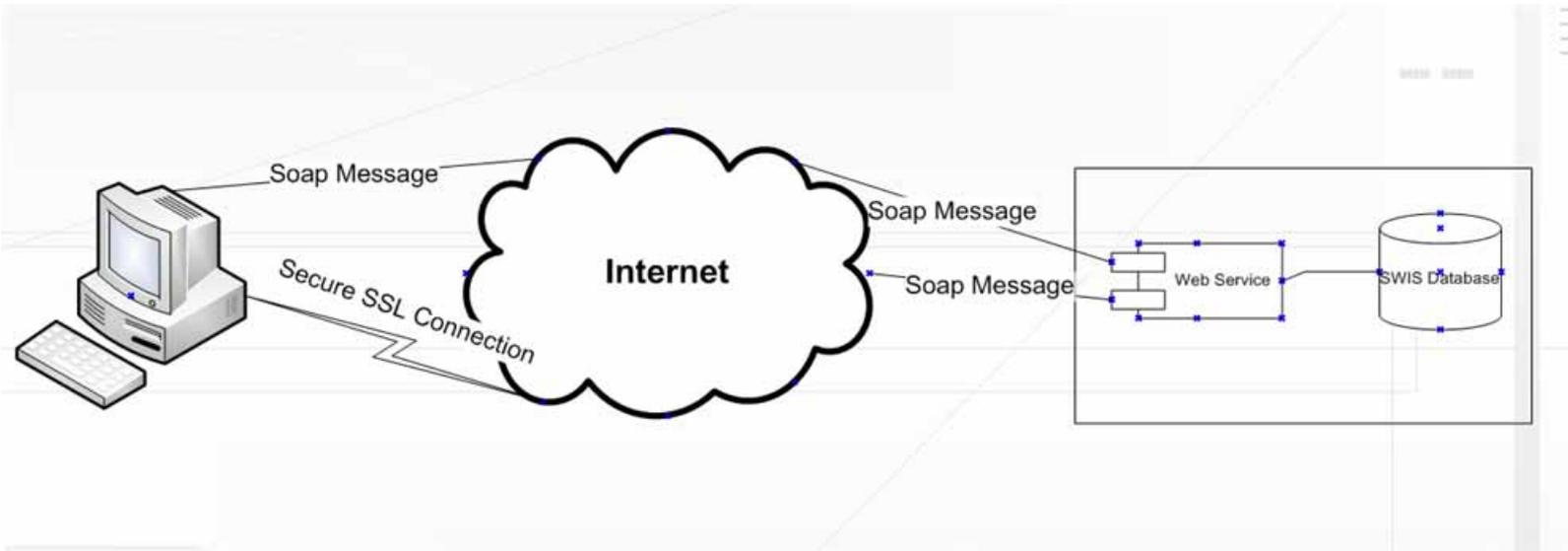
---

```
<?xml version="1.0" encoding="UTF-8" ?>
<!-- Sample XML file generated by XMLSpy v2008 rel. 2 sp1 (http://www.altova.com) -->
- <Inspections xsi:schemaLocation="http://www.ciwmb.ca.gov/schemas/swis SWISInspectionv1.xsd"
  xmlns="http://www.ciwmb.ca.gov/schemas/swis"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
- <Inspection>
  <InspectionType>52</InspectionType>
  <InspectionStatus>Draft</InspectionStatus>
  <SwisNumber>15-AA-0050</SwisNumber>
  <VersionNumber>1</VersionNumber>
  <LocalInspectionID>1</LocalInspectionID>
  <InspectionDate>2006-10-30</InspectionDate>
  <InspectionTime>2.0</InspectionTime>
  <ProgramCode>LEAPeriodic</ProgramCode>
  <FacilityName>Arvin Sanitary Landfill</FacilityName>
  <FacilityLocation>T31S R29E, Section 31</FacilityLocation>
  <InspectorName>Charles Bauer, REHS</InspectorName>
  <OwnerName>Kern County Waste Management Department</OwnerName>
  <OwnerOperatorEmail>Sample@Somewhere.com</OwnerOperatorEmail>
  <RecievedBy>Mailed To Operator</RecievedBy>
  <FacilityLatitude>35-19009</FacilityLatitude>
  <FacilityLongitude>-118.90841</FacilityLongitude>
- <Regulations>
  <Regulation RegulationCode="PRC 44004(a)" RegulationComment="This section requires, in
  part, that no operator of a solid waste facility shall make any significant change in the
  design or operation of the solid waste facility not authorized by the existing permit,
  nuless the change is approved by the LEA, and conforms with this division and all of the
  regulations adopted pursuant to this division, and the terms and conditions of solid waste
  facilities permit and revised to reflect the change. The facility ceased accepting waste
  from teh public on July 1, 2003 and is no longer consistent with its current solid waste
  facility permis issued on December 29, 1997" SeverityLevel="V" />
  <Regulation RegulationCode="20700" RegulationComment="This section requires that the
  operator maintain a layer of compacted earthen material of a least 12 inches which is to
  be placed on the surfaces of the fill where no additional solid waste will be deposited
```



# “Real-time” XML Data Submittal to a Web Service

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# So How Will This Work...

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# How SWIS DIP Program Works:

## 1) Review Program Web Site

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- ▶ <http://www.ciwmb.ca.gov/SWIS/DIP/>
- ▶ Review program procedures and policies.
  - ▶ FAQs
  - ▶ Program Participant Data Exchange Agreement
  - ▶ CIWMB's Inspection data XML Schema
- ▶ Have your relevant staff, contractors, and/or vendors follow links on this site to sign-in to the SWIS DIP Self-Testing System.



# How SWIS DIP Program Works:

## 2) LEA Uses Self-Service Test Site

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- ▶ Interested parties access the self-service testing site
  - ▶ Requires acquiring a Cal/EPA WebPass for login (easy to do).
  - ▶ Users can perform unlimited informal testing using the web form and/or batch data entry methods.
  - ▶ Test submissions will return detailed error messages.
  - ▶ When LEA is ready, they perform a “formal” test to demonstrate their ability to use the system.
  - ▶ Must consecutively submit a several inspections successfully that meet certain criteria.
  - ▶ A successful “formal” test receives “Readiness Code” to included in CIWMB’s Data Exchange Agreement application.



# How SWIS DIP Program Works:

## 3) LEA Submits Data Exchange Agreement

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- ▶ LEA completes and submits a data exchange agreement to the CIWMB.
  - ▶ Includes the LEA's "Readiness Code" from their "formal" test.
  - ▶ Specifies who the LEA's primary program & technical contacts.
  - ▶ Specifies other users who should have access/rights to view/enter/upload inspection data.
  - ▶ Specifies other aspects of the data exchange agreement, e.g.,
    - ▶ LEA's responsible for timely submittal in electronic or paper format.
    - ▶ Email notifications to LEA if submittals overdue.
    - ▶ Operator must be provided any updates to inspection data.
    - ▶ All noted violations/areas of concern require comments.



# How SWIS DIP Program Works:

## 4) CIWMB Approves LEA To Use System

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- ▶ Assuming LEA has completed a successful “formal” test (web form and/or batch), they will be approved to use the system.
- ▶ Users will be granted access to the system.
- ▶ Users login with their Cal/EPA WebPass and enter data via web form or upload data in the specified XML format.
- ▶ CIWMB will send emails to program and/or technical contacts when any problems or unusual activities occur.
- ▶ Authorized LEA Users Use System



# SWIS DIP Testing System

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- ▶ Demonstration

<http://www.ciwmb.ca.gov/SWIS/DIP/>



# Signing up for SWIS DIP

To access SWIS DIP, you must complete a request form and acquire a Cal/EPA WebPass to sign in to the system. Start at the SWIS DIP home page at

<http://www.ciwmb.ca.gov/SWIS/DIP/>

The screenshot shows the website for the California Integrated Waste Management Board. The main navigation bar includes links for Home, Reduce Waste, Recycle, Buy Recycled, Enforcement, Local Partners, Education, and About Us. Below this, there are links for Waste Facilities, Used Oil, Waste Tires, Waste Diversion, Enforcement Orders, and Local Enforcement Agencies (LEA). The main content area is titled "SWIS Digital Inspections Program (SWIS DIP)". It describes the program as a voluntary one for local enforcement agencies (LEAs) to submit inspection data. It provides links for a quick introductory slide show, FAQs, Testing Guide, and Data Exchange Agreement. There is also a section for subscribing to the SWIS DIP Listserv and contact information for Diana Cozadd and Bonne Cornwall. On the right side, there is a "Key Links" section with three items: "Sign up to use the Self-Testing System", "Access the Self-Testing System", and "Subscribe to the SWIS DIP Listserv". A red arrow points to the first item, which is circled in red.

CA.GOV California Integrated Waste Management Board

Skip to: [Content](#) | [Footer](#) | [Accessibility](#)

Search  GO

California CIWMB

Home Reduce Waste Recycle Buy Recycled Enforcement Local Partners Education About Us

Waste Facilities Used Oil Waste Tires Waste Diversion Enforcement Orders Local Enforcement Agencies (LEA)

### SWIS Digital Inspections Program (SWIS DIP)

The Board's SWIS Digital Inspections Program (a.k.a. "SWIS DIP") is a **voluntary** program allowing local enforcement agencies (LEAs) to submit their statutorily mandated solid waste facility inspection data in paperless, electronic format using either data entry on a web form, or batch submittal using XML.

**Learn about SWIS DIP** by reviewing this [quick introductory slide show](#), and then discovering the details in the [FAQs](#), [Testing Guide](#), and [Data Exchange Agreement](#).

**Subscribe to the SWIS DIP Listserv** to receive updates on the project. Go to <http://www.ciwmb.ca.gov/Listservs/ListSubscribe.asp?LID=80>

**For additional information**, please contact [Diana Cozadd](mailto:DCozadd@ciwmb.ca.gov) at [DCozadd@ciwmb.ca.gov](mailto:DCozadd@ciwmb.ca.gov) or [Bonne Cornwall](mailto:Bonne.Cornwall@ciwmb.ca.gov) at [BCornwall@ciwmb.ca.gov](mailto:BCornwall@ciwmb.ca.gov)

#### Key Links

- [Sign up to use the Self-Testing System](#)
- [Access the Self-Testing System](#)
- [Subscribe to the SWIS DIP Listserv](#) to receive updates on the project.

# Complete the Invitation Form

- ▶ Provide the requested information and select Submit.

SWIS Online v1.0.0 Authorized Use Only Home | Reports | Help | Sign Out

LEA Self Testing **SWIS Digital Inspections Program Test Invitation**

If you would like to evaluate and/or test the SWIS Digital Inspections Program, please complete the form below. If you are representing a specific Local Enforcement Agency (LEA) please select your LEA in the Enforcement Agency field. If you are a vendor or other interested party please check the Vendor/Interested Party field. If you already have a CAL/EPA Webpass please enter its email address in the email field below.

<b>First Name:</b>	<input type="text"/>
<b>Last Name:</b>	<input type="text"/>
<b>Email Address:</b>	<input type="text"/>
<b>Enforcement Agency:</b>	Select an Enforcement Agency ▼
<b>Vendor/Interested Party:</b>	<input type="checkbox"/>

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SWIS Online <https://secure.ciweb.ca.gov/SWISOnline/>  
Contact: [Diana Cozadd](#)

# Cal/EPA WebPass Invitation

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- ▶ Go to the mailbox of the email address you provided and follow instructions in the email from Cal/EPA Webmaster.

Create Your Cal/EPA WebPass for SWISOnline

From: **Cal/EPA WebMaster** (webmaster@calepa.ca.gov)  
Sent: Wed 11/05/08 6:10 PM  
To: [REDACTED]

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[REDACTED], you have been invited to create a Cal/EPA WebPass account for the SWIS Digital Inspections using your [REDACTED].com e-mail account. Your Cal/EPA WebPass account needs to be created by Wednesday, November 12, 2008 at 10:10 AM PST. Please follow the link below to create your account.

[https://secure.calepa.ca.gov/WebPass/Create.aspx?t=\[REDACTED\]](https://secure.calepa.ca.gov/WebPass/Create.aspx?t=[REDACTED])

This e-mail was sent based upon initiation of a Cal/EPA WebPass account for your e-mail address. For more information, visit <https://secure.calepa.ca.gov/WebPass/>.

If you do not want access to SWISOnline, please cancel the process by following this link: [https://secure.calepa.ca.gov/WebPass/Cancel.aspx?t=\[REDACTED\]](https://secure.calepa.ca.gov/WebPass/Cancel.aspx?t=[REDACTED]).

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# Cal/EPA WebPass Invitation

- ▶ Email will direct you to a Cal/EPA WebPass account creation page. Provide the information requested and select "Create My Account".

California Environmental Protection Agency

Home | About Us | Programs | Meetings | Publications | Cal/EPA | Contact Us

Our Building | Search | Index | Staff Directory | Contact Us | Help

### Cal/EPA WebPass: Create Account

To create your Cal/EPA WebPass account, complete these two steps:

1. Fill in the form below and then select the Create My Account button.
2. Follow the instructions in the email message you will receive after completing step 1.

It is important to follow through and complete step 2 to activate your Cal/EPA WebPass account. Your Cal/EPA WebPass account must be activated before you can access any web site, service, or feature which is secured by Cal/EPA WebPass.

First Name: [Redacted]

Last Name: [Redacted]

Email Address: [Redacted]

Confirm Email Address: [Redacted]

Password: [Redacted]

Confirm Password: [Redacted]

Security Question: What was your high school mascot?

Answer: [Redacted]

Personal Assurance Phrase: [Redacted]

[What is a "personal assurance phrase"?](#)

margin bride

Type the two words:  
margin bride

Create My Account

Version: 1.6.1  
Cal/EPA WebPass <https://secure.cal EPA.ca.gov/WebPass/>  
Contact: [CalEPA\\_Webpass@ceqa.ca.gov](mailto:CalEPA_Webpass@ceqa.ca.gov)

# Cal/EPA WebPass Invitation

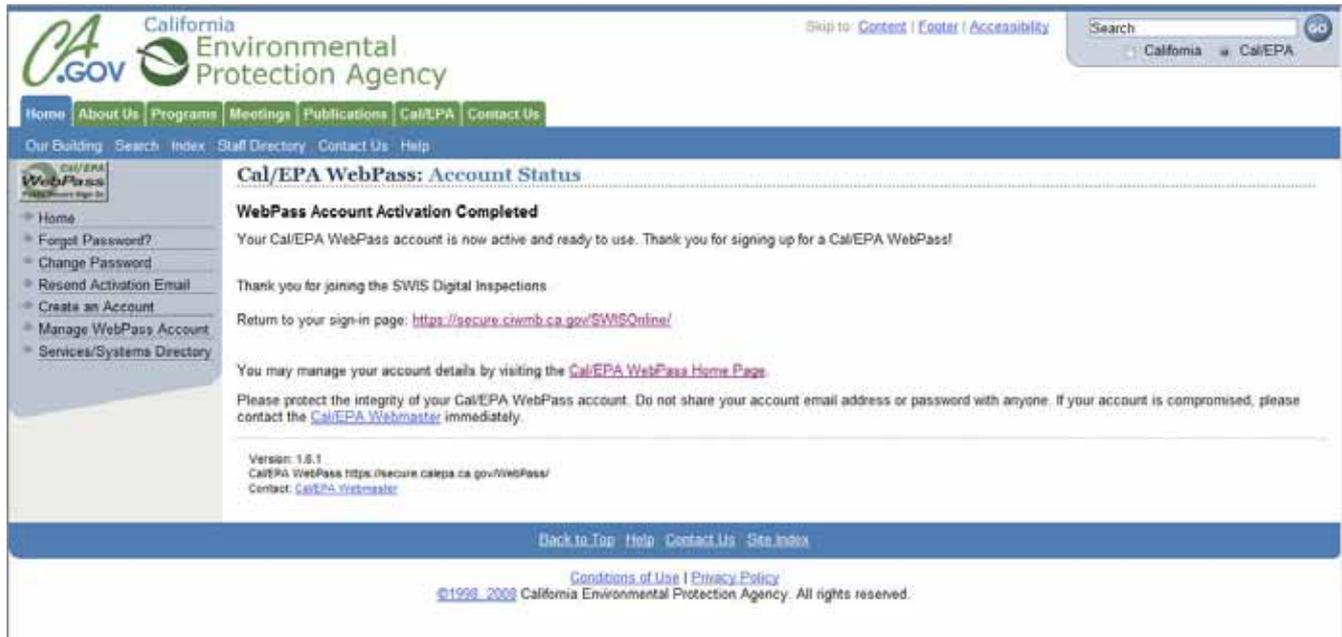
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- ▶ Go back to the mailbox of the email provided and check for another email from the Cal/EPA Webmaster. Select the link in the message to activate your account.
- ▶ Important: Don't skip this step!



# Cal/EPA WebPass Completed

- ▶ You will be directed to a web page indicating your account has been activated.
- ▶ Follow the “Return to your sign-in page” link on this page to access SWIS DIP.



The screenshot shows the Cal/EPA WebPass Account Status page. The header includes the California Environmental Protection Agency logo and navigation links. The main content area displays the following information:

**Cal/EPA WebPass: Account Status**

**WebPass Account Activation Completed**

Your Cal/EPA WebPass account is now active and ready to use. Thank you for signing up for a Cal/EPA WebPass!

Thank you for joining the SWIS Digital Inspections

Return to your sign-in page: <https://secure.ciweb.ca.gov/SWISOnline/>

You may manage your account details by visiting the [Cal/EPA WebPass Home Page](#).

Please protect the integrity of your Cal/EPA WebPass account. Do not share your account email address or password with anyone. If your account is compromised, please contact the [Cal/EPA Webmaster](#) immediately.

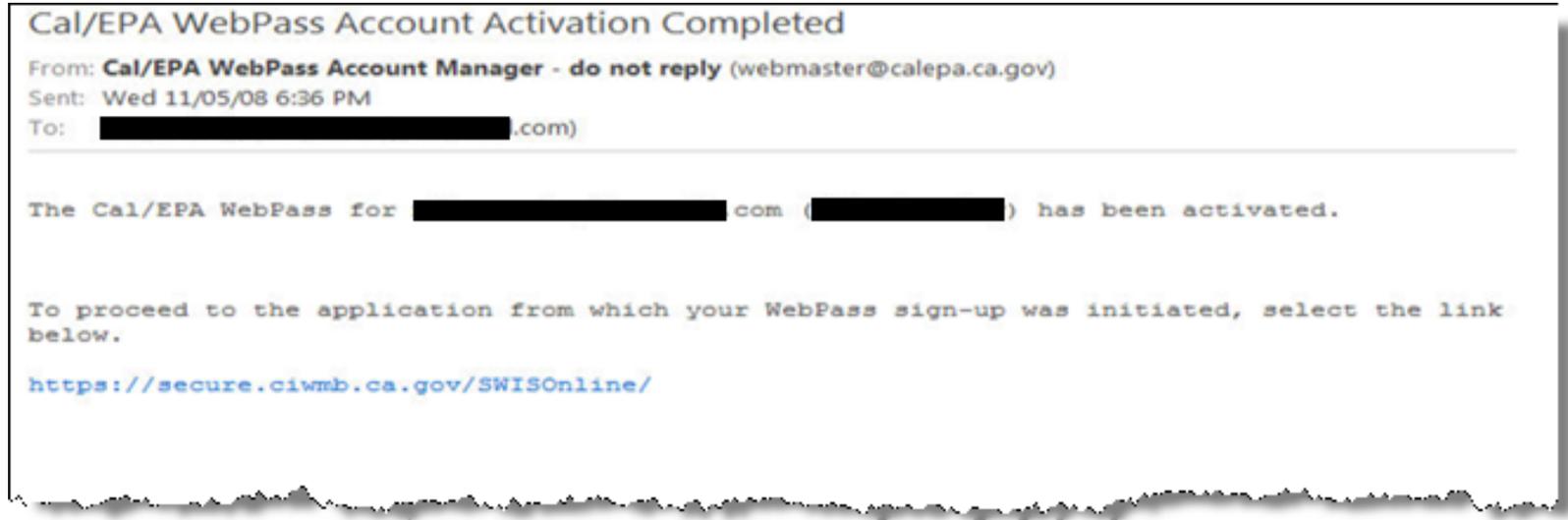
Version: 1.5.1  
Cal/EPA WebPass <https://secure.caiepa.ca.gov/WebPass/>  
Contact: [Cal/EPA Webmaster](#)

Footer links include: [Back to Top](#), [Help](#), [Contact Us](#), [Site Index](#), [Conditions of Use](#), [Privacy Policy](#), and copyright information: ©1998-2009 California Environmental Protection Agency. All rights reserved.

# Cal/EPA WebPass Confirmation

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- ▶ You will receive a final confirmation email from the Cal/EPA Webmaster confirming your WebPass and including a link to the SWIS DIP system.



# SWIS DIP Testing System

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- ▶ Demonstration

<http://www.ciwmb.ca.gov/SWIS/DIP/>



# Sign In with Cal/EPA WebPass

SWIS Online v1.0.0      Authorized Use Only      Home | Reports | Help | Sign In

## SWIS Online Sign-In

Email Address:

Next



Recommended resolutions is 1024 x 768 or greater.

If you are associated with a Local Enforcement Agency and wish to participate in the SWIS Digital Inspection Program, click [complete this form](#)

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SWIS Online <https://secure.ciwmb.ca.gov/SWISOnline/>  
Contact: [Diana Cozadd](#)



# Sign In with Cal/EPA WebPass

SWIS Online v1.0.0 Authorized Use Only Home | Reports | Help | Sign In

## SWIS Online Sign-In

**Email Address:** valtara+SWISDIP@gmail.com

During WebPass registration you provided a "personal assurance phrase" to help protect you against phishing scams. If the phrase you see below is the one you provided, you can safely enter your password.

**Personal Assurance Phrase:** [REDACTED]

**Password:** [REDACTED]

Recommended resolutions is 1024 x 768 or greater.

If you are associated with a Local Enforcement Agency and wish to participate in the SWIS Digital Inspection Program, click [complete this form](#)

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SWIS Online <https://secure.ciwmb.ca.gov/SWISOnline/>  
Contact: [Diana Cozadd](#)

# Go to LEA Self Testing

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**SWIS Online v1.0.0** Authorized Use Only Home | Reports | Help | Sign Out

Home

**LEA Self Testing** **SWIS Online: Home**

The "SWIS Online" web site will be used by the CIWMB to provide LEA's with secure access to various aspects of SWIS (Solid Waste Information System).

Currently "SWIS Online" supports the [SWIS DIP LEA Self Testing module](#)

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SWIS Online <https://secure.ciwmb.ca.gov/SWISOnline/>  
Contact: [Diana Cozadd](#)



# Select Web Form Submission

**SWIS Online v1.0.0** Authorized Use Only Home | Reports | Help | Sign Out

Home > LEA Self Testing

## SWIS DIP LEA Self Testing

[Home](#)  
[Batch Submissions](#)  
[Web Form Submissions](#)

In order for you to submit inspections through either the Batch or Web Form submission process, each Local Enforcement Agency (LEA) first needs to satisfy the SWIS DIP testing requirements. Each data submittal method (Web Form, Batch Submission, Web Service Submission) has its own set of testing guidelines that must be followed in order to receive a "Readiness Code". Once you receive a "Readiness Code" for one or more data submittal methods, you will need to include the code(s) in the [Data Exchange Agreement](#) your LEA will submit to the CIWMB.

For detailed instructions on how to use this system, please review the ["SWIS DIP" Internet site](#) and the [System Evaluation and LEA Self Testing Guide](#).

To proceed with your testing, please select the [Batch Submission](#) link, or the [Web Form Submission](#) link.

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SWIS Online <https://secure.ciwmb.ca.gov/SWISOnline/>  
Contact: [Diana Cozadd](#)



# Add a Test Inspection

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**SWIS Online v1.0.0** Authorized Use Only Home | Reports | Help | Sign Out

Home  
Batch Submissions  
Web Form Submissions

## SWIS DIP Web Form Submission Test

You may begin [testing](#) immediately. However, to obtain a Web Form Inspection "Readiness Code", you must eventually enter three consecutive inspections successfully without error. You must also add an attachment of any type to at least one inspection.

[Start Testing](#)  
[View All Results](#)

### Web Form Test Submissions

**Requirements to receive a Readiness Code have not been fulfilled.**

[Add Inspection](#)

SWIS Online <https://secure.ciwmb.ca.gov/SWISOnline/>  
Contact: [Diana Cozadd](#)



# Select inspection's SWIS site

SWIS Online v1.0.0 Authorized Use Only [Home](#) | [Reports](#) | [Help](#) | [Sign Out](#)

[Home](#)  
[Batch Submissions](#)  
[Web Form Submissions](#)

## Select an Inspection Type

SWIS Number:   
Site Name:

*If necessary/desirable, use the search form to narrow your list of sites*

SWIS NUMBER	SITE NAME	LOCATION	ENFORCEMENT AGENCY	OPERATOR
<a href="#">15-AA-0050</a>	Arvin Sanitary Landfill	5500 North Wheeler Ridge Road	County of Kern	County of Kern Waste Management Dept.
<a href="#">15-AA-0297</a>	Ven Virotek Wastewater Processing Recyc Stn	5314 North Wheeler Ridge Road	County of Kern	Venvirotek/Chemfix Inc
<a href="#">15-CR-0014</a>	Lakeview Bd	NW/4, NW/4, Sec 20, T32S, R27E	County of Kern	County of Kern Waste Management Dept.
<a href="#">15-CR-0088</a>	Arvin Burn Dump	NW/4 of Sect 31 , T31S, R29E	County of Kern	
<a href="#">15-AA-0374</a>	Grimmway Farms Composting-Arvin Yard	N. Side Millux Rd. 0.5 M. W. Rancho Rd.	County of Kern	Grimmway Enterprises, Inc.
<a href="#">15-AA-0005</a>	Texaco-Kern River SLF	Round Mt. Rd. Kern Riv. Section 33	County of Kern	Texaco Oil-Bakersfield
<a href="#">15-AA-0044</a>	Bakersfield Sanitary Landfill	1 Mi Ne Mt Vernon & Panorama Dr	County of Kern	County of Kern Waste Management Dept.
<a href="#">15-AA-0048</a>	China Grade Sanitary Landfill	E/SE ofAlferd Herell Hw Rd.	County of Kern	County of Kern Waste Management Dept.
<a href="#">15-AA-0103</a>	K&D Salvage Landfill	600 S Union Ave, Cor Terr/Madison	County of Kern	K And D Salvage
<a href="#">Multiple Activities</a>	Valley Tree & Construction Disposl Site	4233 Quin Road	County of Kern	Valley Tree & Construction

Page 1 of 17 1 2 3 4 5 6 7 8 9 10 ...   Count: 163

SWIS Online <https://secure.ciwmb.ca.gov/SWISOnline/>  
Contact: [Diana Cozadd](#)

Select SWIS Number of site you wish to complete an inspection for

See additional pages of sites or view all at once

LEA Self Testing

### Inspection Report: Disposal Facility Inspection Report (52)

Fields marked with \* (asterisk) are required.

Save Cancel

Change this status to Draft if you do not wish to immediately submit the inspection to CIWMB.

#### Enforcement Agency Self Test Mode

#### Inspection Report Status

Status: Submit To Board

Enter or select (via the date picker) the inspection date (required field)

Enforcement Agency: County of Kern

SWIS Number: \* 15-AA-0273 [SWIS Number Lookup](#)

Program Code (Select only one code): \*

LEA Periodic  LEA Focused

Received Date: 11/5/2008

Inspection Date: \*

Time In:

Time Out:

Inspection Time:

Received By (Operator):

County of Kern Waste Management Dept.

Owner:

Also Present:

Owner/Operator Email:

Latitude:

Longitude:

Enter inspector name (required field)

Facility Name:

Bakersfield Metropolitan (Bena) SLF

Facility Location:

2951 Neumarkel Road

Inspector: \*

Select Program Code (required field)

Select this box if inspection does not have any Violations or Areas of Concern, otherwise, select on or more of these below

No Violations Or Area's Of Concern On Inspection Report:

#### Permits

V	A	Permits	
<input type="checkbox"/>	<input type="checkbox"/>	PRC 44004(a) - Significant Change	<a href="#">Add/Edit Comments</a>
<input type="checkbox"/>	<input type="checkbox"/>	PRC 44014(b) - Operator Complies with Terms & Conditions of Permit	<a href="#">Add/Edit Comments</a>
<input type="checkbox"/>	<input type="checkbox"/>	21640 - Review of Permits	<a href="#">Add/Edit Comments</a>
<input type="checkbox"/>	<input type="checkbox"/>	17356 - Indoor Storage	<a href="#">Add/Edit Comments</a>

Each Violation or Area of Concern must have specific comments. Select the Add/Edit Comments link to add these

Add any general comments here

Comments (Note: for additional or continued comments use the CIWMB 03 or attach additional pages.):

To add attachments, select the "Browse" button to locate a file on your local computer, and then select the "Upload" link on the far right to upload the file to the CIWMB.

#### Upload Attachments

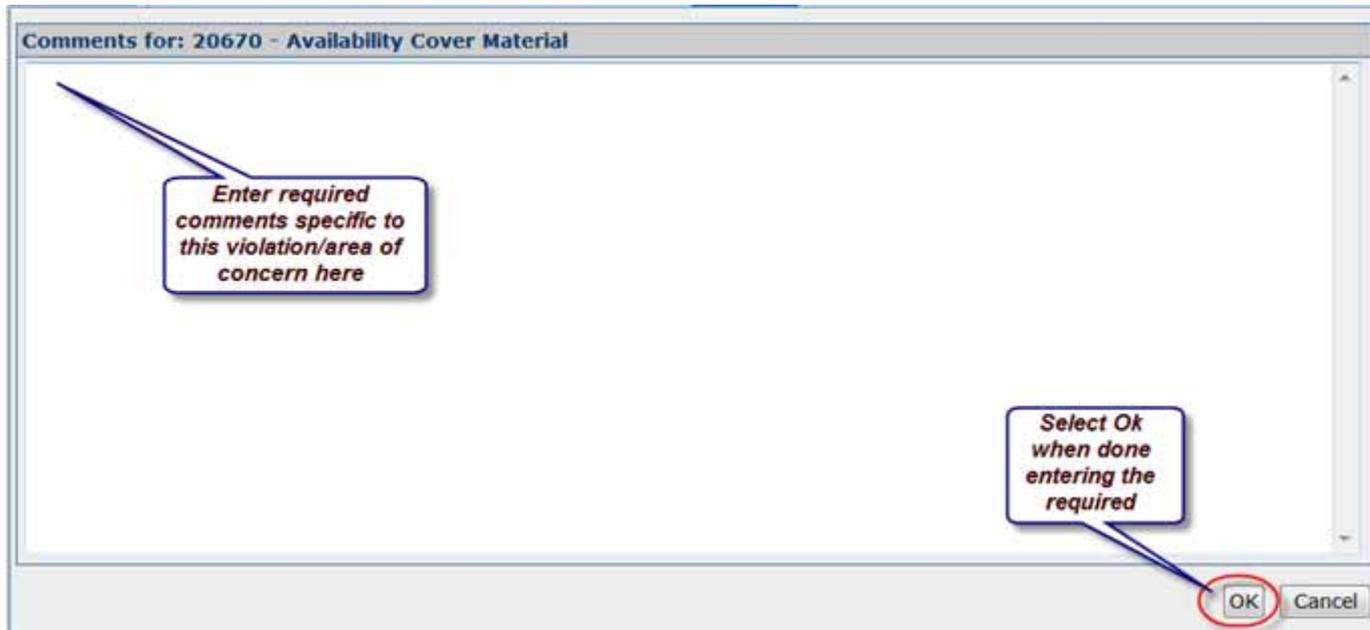
Attachment Title	File Name	Content Type	
			Browse... Upload

Select "Save" button to save your data

Save Cancel

# Add comments to a Violation/Area of Concern

---



# See your inspection / Add more...

SWIS Online v1.0.0 Authorized Use Only Home | Reports | Help | Sign Out

Home  
Batch Submissions  
Web Form Submissions

## SWIS DIP Web Form Submission Test

You may begin [testing](#) immediately. However, to obtain a Web Form Inspection "Readiness Code", you must eventually enter three consecutive inspections successfully without error. You must also add an attachment of any type to at least one inspection.

[Start Testing](#)  
[View All Results](#)

**Web Form Test Submissions**

Requirements to receive a Readiness Code have not been fulfilled.

**Select this button to add additional test inspections**

Add Inspection

TRANSACTION	SWIS NUMBER	NAME	ACTIVITY	INSPECTION DATE	ATTACHMENT	REGULATIONS	
Complete	15-AA-0050	County of Kern	Solid Waste Landfill	10/26/2008	1	1	<a href="#">View Inspection</a>
Complete	15-AA-0050	County of Kern	Solid Waste Landfill	10/26/2008	0	1	<a href="#">View Inspection</a>

Page 1 of 1 Count: 2

SWIS Online <https://secure.ciwmb.ca.gov/SWISOnline/>  
Contact: [Diana Cozadd](#)

# Add an XML Batch Submission

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[Home](#)  
[Batch Submissions](#)  
[Web Form Submissions](#)

## Batch Submission Test

You may begin [testing](#) immediately once you transform your inspection data into XML that conforms to the [CIWMB SWIS Inspection Schema](#). However, to obtain a batch inspection "Readiness Code", you must eventually submit three consecutive inspection batches successfully without schema validation or data errors. The inspection submittals must also:

- Include inspections from more than one facility.
- Include inspections of more than one inspection type (e.g., 52A, 52, 93)
- Include at least one regulation in each inspection.
- Include at least one batch with multiple inspections inside a single file.
- Include at least one batch with an attachment of any type that conform to the [base64Binary](#) specification. You can convert a file to a [base64Binary](#) string using this [tool](#).

Once you have successfully submitted three batches, a button will appear that will allow you to apply for a Readiness Code. When you select the button, the last three batches you entered successfully will be evaluated to make sure appropriate testing procedures have been met. If the guidelines have been met your Readiness Code will be displayed. If you feel you need to continue testing feel free to do so without affecting "Readiness Code".

[Start Testing](#)

[View All Results](#)

**XML Batch Submissions in Descending Order**

Requirements to receive a readiness ticket have not been fulfilled.

[Add XML Batch](#)

SWIS Online <https://secure.ciwmb.ca.gov/SWISOnline/>  
Contact: [Diana Cozadd](#)

# Upload your XML batch file

**SWIS Online v1.0.0** Authorized Use Only

Home  
Batch Submissions  
Web Form Submissions

## Batch Submission Test

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SWIS Online <https://secure.ciwmb.ca.gov/SWISOnline/>  
Contact: [Diana Cozadd](#)

```
<?xml version="1.0" encoding="UTF-8" ?>
<!-- Sample XML file generated by XMLSpy v2008 rel. 2 sp1 (http://www.altova.com) -->
- <Inspections xsi:schemaLocation="http://www.ciwmb.ca.gov/schemas/swis SWISInspectionv1.xsd"
  xmlns="http://www.ciwmb.ca.gov/schemas/swis"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
- <Inspection>
  <InspectionType>52</InspectionType>
  <InspectionStatus>Draft</InspectionStatus>
  <SwisNumber>15-AA-0050</SwisNumber>
  <VersionNumber>1</VersionNumber>
  <LocalInspectionID>1</LocalInspectionID>
  <InspectionDate>2006-10-30</InspectionDate>
  <InspectionTime>2.0</InspectionTime>
  <ProgramCode>LEAPeriodic</ProgramCode>
  <FacilityName>Arvin Sanitary Landfill</FacilityName>
  <FacilityLocation>T31S R29E, Section 31</FacilityLocation>
  <InspectorName>Charles Bauer, REHS</InspectorName>
  <OwnerName>Kern County Waste Management Department</OwnerName>
  <OwnerOperatorEmail>Sample@Somewhere.com</OwnerOperatorEmail>
  <RecievedBy>Mailed To Operator</RecievedBy>
  <FacilityLatitude>35-19009</FacilityLatitude>
  <FacilityLongitude>-118.90841</FacilityLongitude>
- <Regulations>
  <Regulation RegulationCode="PRC 44004(a)" RegulationComment="This section requires, in
  part, that no operator of a solid waste facility shall make any significant change in the
  design or operation of the solid waste facility not authorized by the existing permit.
```

# Submission Results

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**Home**  
[Batch Submissions](#)  
[Web Form Submissions](#)

## Batch Submission Test

You may begin [testing](#) immediately once you transform your inspection data into XML that conforms to the [CIWMB SWIS Inspection Schema](#). However, to obtain a batch inspection "Readiness Code", you must eventually submit three consecutive inspection batches successfully without schema validation or data errors. The inspection submittals must also:

- Include inspections from more than one facility.
- Include inspections of more than one inspection type (e.g., 52A, 52, 93)
- Include at least one regulation in each inspection.
- Include at least one batch with multiple inspections inside a single file.
- Include at least one batch with an attachment of any type that conform to the [base64Binary](#) specification. You can convert a file to a [base64Binary](#) string using this [tool](#).

Once you have successfully submitted three batches, a button will appear that will allow you to apply for a Readiness Code. When you select the button, the last three batches **you entered** successfully will be evaluated to make sure appropriate testing procedures have been met. If the guidelines have not been met, the Readiness Code will be displayed. If you feel you need to continue testing feel free to do so without affecting your Readiness Code.

[Start Testing](#)

[View All Results](#)

**Oh oh, errors in your XML**

**View your errors**

XML Batch Submissions in Descending Order

**Submission Unsuccessful**

TRANSACTION STATUS	SUBMISSION DATE	ENFORCEMENT AGENCY	SUBMISSION RESULTS	INSPECTION XML	RESULTS
Unsuccessful with errors	11/5/2008	County of Kern	<a href="#">Error List</a>	<a href="#">View XML</a>	No Results Available

Page 1 of 1 Count: 1

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## XML Batch Inspection Errors

### Schema Validation Errors

The 'http://www.ciwmb.ca.gov/schemas/swis:SwisNumber' element is invalid - The value '15-AA-005012' is invalid according to its datatype 'http://www.ciwmb.ca.gov/schemas/swis:SwisNumberType' - The Pattern constraint failed.

The 'http://www.ciwmb.ca.gov/schemas/swis:InspectionDate' element is invalid - The value '2006-13-30' is invalid according to its datatype 'http://www.w3.org/2001/XMLSchema:date' - The string '2006-13-30' is not a valid XsdDateTime value.

# Results from a successful XML batch

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[Web Form Submissions](#)

## Batch Submission Test

You may begin [testing](#) immediately once you transform your inspection data into XML that conforms to the [CIWMB SWIS Inspection Schema](#). However, to obtain a batch inspection "Readiness Code", you must eventually submit three consecutive inspection batches successfully without schema validation or data errors. The inspection submittals must also:

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- Include at least one regulation in each inspection.
- Include at least one batch with multiple inspections inside a single file.
- Include at least one batch with an attachment of any type that conform to the [base64Binary](#) specification. You can convert a file to a [base64Binary](#) string using this [tool](#).

Once you have successfully submitted three batches, a button will appear that will allow you to apply for a Readiness Code. When you select the button, the last three batches you entered successfully will be evaluated to make sure appropriate testing procedures have been met. If the guidelines have been met your Readiness Code will be displayed. If you feel you need to continue testing feel free to do so without affecting "Readiness Code".

[Start Testing](#)

[View All Results](#)

### XML Batch Submissions in Descending Order

Submission Successful

TRANSACTION STATUS	SUBMISSION DATE	ENFORCEMENT AGENCY	SUBMISSION RESULTS	INSPECTION XMI	RESULTS
Complete	11/5/2008	County of Kern	No Results Available	<a href="#">View XML</a>	<a href="#">View Inspection</a>
Unsuccessful with errors	11/5/2008	County of Kern	<a href="#">Error List</a>	<a href="#">View XML</a>	No Results Available

Page 1 of 1 Count: 2

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# Add more web form submissions to receive a Readiness Code

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Home  
Batch Submissions  
Web Form Submissions

## SWIS DIP Web Form Submission Test

You may begin [testing](#) immediately. However, to obtain a Web Form Inspection "Readiness Code", you must eventually enter three consecutive inspections successfully without error. You must also add an attachment of any type to at least one inspection.

[Start Testing](#)  
[View All Results](#)

**Web Form Test Submissions**

[Apply For Readiness Code](#)

*Add three consecutive web form inspections successfully (at least one of which has an attachment) to receive a Readiness Code*

[Add Inspection](#)

TRANSACTION	SWIS NUMBER	NAME	ACTIVITY	INSPECTION DATE	ATTACHMENTS	REGULATIONS	
Complete	15-AA-0047	County of Kern	Solid Waste Landfill	3/17/2008	0	1	<a href="#">View Inspection</a>
Complete	15-AA-0297	County of Kern	Contaminated Soil Operation, Xfer	9/16/2008	1	1	<a href="#">View Inspection</a>
Complete	15-AA-0050	County of Kern	Solid Waste Landfill	10/26/2008	0	1	<a href="#">View Inspection</a>

Page 1 of 1 Count: 3

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Contact: [Diana Cozadd](#)

# Readiness Code

- Home
- Batch Submissions
- Web Form Submissions

## SWIS DIP Web Form Submission Test

You may begin [testing](#) immediately. However, to obtain a Web Form Inspection "Readiness Code", you must eventually enter three consecutive inspections successfully without error. You must also add an attachment of any type to at least one inspection.

[Continue Testing](#)  
[View All Results](#)

### Web Form Submission Readiness Code

The Readiness Code for County of Kern for Single Submissions Inspections is **S9Y7BY**. If you wish to continue testing you may do so without affecting your Readiness Code. Make sure you include the Readiness Code in your agreement with CAL/EPA.

Use this Readiness Code on your LEA's data exchange agreement application to the CIWMB

### Web Form Test Submissions

Add Inspection

TRANSACTION	SWIS NUMBER	NAME	ACTIVITY	INSPECTION DATE	ATTACHMENTS	REGULATIONS
Complete	15-AA-0047	County of Kern	Solid Waste Landfill	3/17/2008	0	1 <a href="#">View Inspection</a>
Complete	15-AA-0297	County of Kern	Contaminated Soil Operation, Xfer	9/16/2008	1	1 <a href="#">View</a>
Complete	15-AA-0050	County of Kern	Solid Waste Landfill	10/26/2008	0	

Page 1 of 1

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Contact: [Diana Cozadd](#)

California Integrated Waste Management Board

### SWIS Digital Inspections Program Data Exchange Agreement (Version 1.0)

**Instructions:** This document describes all of the conditions a Local Enforcement Agency (LEA) must agree to, and follow, in order to electronically submit solid waste inspection data to the California Integrated Waste Management Board (CIWMB). Prior to submitting this data exchange agreement, an LEA representative must:

1. Review all materials on the SWIS Digital Inspections Program web site (<http://www.ciwmb.ca.gov/SWISDIP/>);
2. Use the testing site to receive a "Readiness Code" for each electronic data submittal method the LEA will use;
3. Carefully read the entirety of this Data Exchange Agreement document, and,
4. Complete this cover page, have it signed by LEA's Program Manager, and mail to the address at the bottom of this page.

City/County: \_\_\_\_\_

Division/Department Name: \_\_\_\_\_

**Selection of Electronic Inspection Data Submittal Method**

Indicate which electronic data submittal method(s) the LEA will use by entering the appropriate Readiness Code(s). A representative of the LEA must have previously accessed the test site and received a "Readiness Code" for each method the LEA wishes to use. Although selecting a method(s) indicates the LEA's electronic data submittal intent, LEAs can continue to submitting inspections via paper forms if necessary as this is a voluntary program.

**Web Forms** Enter Readiness Code:

LEAs complete a web form for each inspection.

**XML Batch Uploads** Enter Readiness Code: \_\_\_\_\_

Authorized users can upload a batch of inspection records formatted in the Board's specified XML format.

**XML "Real time" Web Service** Not available until later 2009.

Real time submission of individual records through machine-to-machine exchange of XML formatted data.

# Draft Inspections and Emailing Inspections

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LEA Self Testing

## Inspection Report: Disposal Facility Inspection Report (52)

Fields marked with \* (asterisk) are required.

Save Cancel

**Enforcement Agency Self Test Mode**

**Inspection Report**

Report Type: Complete Report View Report [Email Inspection Report](#)

**Inspection Report Status**

Status: Draft  
Submit To Board  
Draft

Enforcement Agency: County of Kern

SWIS Number: \* 15-AA-0047 [SWIS Number Lookup](#)

Program Code (Select only one code): \* Received Date: 11/5/2008 Inspection Date: 3/17/2008

*Use this link to email an inspection to a supervisor,*

*Set Inspections to "Draft" if you want to internally review/store them for up to 45 days.*

# Fill out Email subscreen

LEA Self Testing

## Inspection Report: Disposal Facility Inspection Report (52)

Fields marked with \* (asterisk) are required.

Save Cancel

**Enforcement Agency Self-Test Mode**

Inspection

Report Type

Inspection

Status: Dra

Enforcement

SWIS Num

Program Co  
code): \*

LEA Period

Inspection  
Time:

### Email Inspection Report

Email Address:

Email Subject:

Email Body:

Send Email Cancel

Inspection Date: 3/17/2008

Time Out:



# Printable Inspection Report



California Integrated Waste Management Board

## Disposal Facility Inspection Report (52) - Draft

SWIS Facility File Number (99-xx-9999)		Inspection Date		Program Code	
15-AA-0050		10/30/2006 12:00:00 AM		LEA Periodic	
Inspection Time	2.0	Time In		Time Out	
Facility Name			Received By		
Arvin Sanitary Landfill			Mailed To Operator		
Facility Location			Owner Name		
5500 North Wheeler Ridge Road			Kern County Waste Management Department		
Inspector			Also Present (Name)		
Charles Bauer, REHS					
<small>THE ABOVE FACILITY WAS INSPECTED FOR COMPLIANCE WITH APPLICABLE SECTIONS OF THE DIVISION 39 OF THE PUBLIC RESOURCES CODE (PRC) AND TITLE 14 AND TITLE 27 CALIFORNIA CODE OF REGULATIONS (CCR)</small>					
<b>A</b>	<b>V</b>	<b>Regulations</b>			
X		20820 - Drainage/Erosion Control			
		Comments: See Comments for PRC 44004			
	X	PRC 44004(a) - Significant Change			
		Comments: This section requires, in part, that no operator of a solid waste facility shall make any significant change in the design or operation of the solid waste facility not authorized by the existing permit, unless the change is approved by the LEA, and conforms with this division and all of the regulations adopted pursuant to this division, and the terms and conditions of solid waste facilities permit and revised to reflect the change. The facility ceased accepting waste from the public on July 1, 2003 and is no longer consistent with its current solid waste facility permit issued on December 29, 1997			
	X	20700 - Intermediate Cover			
		Comments: This section requires that the operator maintain a layer of compacted earthen material of a least 12 inches which is to be placed on all surfaces of the fill where no additional solid waste will be deposited within 180 days to control vectors, fires, odor, blowing litter, and scavenging. As referenced in the Vector Engineering Intermediate Cover Thickness report, November 2003, the existing intermediate cover thickness ranges from 1 inch to 9.33 feet from the ground surface down to the top waste as measured by the vector Engineering, Inc. staff, (Section 4.3 Existing Intermediate Cover Thickness, Appendix A, Arvin Sanitary Landfill Final Closure Plan, October, 2005). In random sampling table provided by Vector Engineering, Inc., in the Arvin Landfill's Intermediate Cover Investigation Report, were 53 sampling excavation sites located on the intermediate fill which had measurements of 6 inches or less to the top of waste. In addition, a depth to top of waste isopach map was provided by Vector.			
<b>Inspection Report Comments:</b>					



# Why Should I Enter Data via Web Form

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- ▶ May not be relevant if already collected data in an in-house or commercial data system.
- ▶ Improved accuracy and consistency—web form will check/validate entry. Key fields automatically enter SWIS facility and inspection type.
- ▶ Ability to generate readable, professional-looking inspection reports/outputs to emailed and/or mailed.
- ▶ Notes captured via your data entry—assists you, the operator, and provides public transparency.
- ▶ Approach requires minimal IT assistance and costs.



# Uploading Data in Batch

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- ▶ Uses XML and other industry standard technologies.
- ▶ Useful for those who collect their inspection data in an in-house or commercial database.
- ▶ Detailed error messages provided for error batches.
- ▶ Entire batch will not be accepted until it is entirely “correct” (i.e., is validated against the CIWMB’s SWIS DIP XML Schema).
- ▶ Public web services will be available for lookup values used in the XML Schema (e.g., program code, image type, etc.)
- ▶ Attachments embedded in the XML submission or later added manually to inspections.
- ▶ Each inspection record must have a globally unique ID provided to the Board.
- ▶ Specifications available to vendors/interested parties.



# Key Issues and Concerns 1

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- ▶ This is a voluntary program.
- ▶ This new process does not mandate any particular business process for collecting data.
- ▶ Digital photos and attachments are supported.
- ▶ All project specifications and policies will be publicly available to all interested parties.
- ▶ This project is **not** about laptops or PDA access, but LEAs could certainly use such devices to collect information prior to submittal to CIWMB.
- ▶ LEAs can use grant funds to pay for [some] costs.



## Key Issues and Concerns 2

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- ▶ Submitting XML batch uploads requires IT expertise.
- ▶ Going “paperless” may require LEAs to change their internal business processes.
- ▶ CIWMB will minimize breaking changes to the XML schema once in production. Any breaking schema changes announced well in advance.
- ▶ Who can help LEAs? LEA’s IT staff, IT contractors, LEA vendors providing “environmental tracking” software.



# Next Steps / Call to Action

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- ▶ Review the materials on the SWIS DIP project web site <http://www.ciwmb.ca.gov/SWIS/DIP/>
- ▶ Have your technical staff or database vendor review the SWIS DIP web site and use the SWIS DIP Self-Test System to evaluate if the program will work for you.



# Questions and Answers

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## **Program Information, Documents, etc.:**

- ▶ SWIS DIP Web Site: <http://www.ciwmb.ca.gov/SWIS/DIP/>

## **After you have read materials above, contact:**

- ▶ CIWMB SWIS DIP Coordinator:  
Diana Cozadd            [dcozadd@ciwmb.ca.gov](mailto:dcozadd@ciwmb.ca.gov)
- ▶ CIWMB Technical contact:  
Chris Allen            [callen@ciwmb.ca.gov](mailto:callen@ciwmb.ca.gov)

## **The final version of this presentation:**

<http://www.ciwmb.ca.gov/SWIS/DIP/Presentations/SWISDIPLEAConference.ppt>

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