



NRSW / NAVFACSW

CONSTRUCTION AND DEMOLITION DEBRIS PROGRAM

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Sustainable Solid Waste Program

MISSION, VISION, GUIDING PRINCIPALS

- **MISSION:** Provide policy, guidance, and direction to *institutionalize* and execute sustainable solid resource and waste management practices throughout NRSW for all activities that generate non-hazardous solid waste

Holistic Approach that Emphasizes Resource / Commodity Management
Develop Management Approaches for Different Navy Communities
Promote a Culture of Resourcefulness vs. Wastefulness

- **VISION:** By 2012, NRSW will have a fully institutionalized Sustainable Solid Waste Management Program that is efficiently and effectively executed

Move towards “SSW’s 2020 Vision – NOTHING WASTED”

- **GUIDING PRINCIPALS:** Use **RCRA** definition of non-hazardous solid waste and DoD’s solid waste hierarchy of: Reduce, Reuse, Recycle, Disposal only as a last resort

Leadership has a role to promote a culture of resourcefulness versus wastefulness



SSW PROGRAM MGT

N457 /EV6



- **Municipal Solid Waste**
 - Recycling
 - Refuse
- **Furniture Reuse**
- **Military Industrial Waste MGT**
- **Construction and Demolition Debris MGT**
 - CNRSW 11350.1B – Requires projects to have a SSW Plan
 - Mapping tool currently tracking over 248 projects
- **Disaster Debris Planning and MGT**
- **Other Initiatives**
 - Green House Gas Reduction Initiatives
 - Conversion Technology / Waste-as-Fuel Initiatives
 - Food Waste Program MGT



CONSTRUCTION & DEMOLITION DEBRIS MANAGEMENT



- **California Assembly Bill 939**
- **Local landfill scheduled to close in 2019**
 - **Estimated annual \$8M-\$12M increase in disposal costs**
- **CNRSWINST 11350.1B**
 - **Requires a solid waste management plan be submitted during planning phase of projects**
 - **Requires monthly SW waste report**
 - **Tonnage recycled and cost**
 - **Tonnage landfilled and cost**
- **Metrics for specific reporting requirements**



SSW Good News Stories

'09-'10



- **80% diversion of C&D**
- **7 C&D Projects realizing over 98.25% diversion:**
 - **Upon completion estimated disposal cost avoidance to be \$4.52M**
 - **Estimated 651,491 tons diverted**
 - **2.6M CY landfill space saved**
- **Awards**
 - **SD City awards SSW as 2010 Recycler of the Year**
 - **American Public Works Assoc awards SSW as Program of the Year**
 - **APWA awards NBC Pier Lima Env Project of the Year**



OCP OVERVIEW



- Technology originally developed for Navy Regional Operation Centers
- Technology to streamline SSW business line management
 - Data-sharing, web-base program management
 - Manages data per construction or demolition project
- Calculates solid waste diversion rates, cost savings, and verifies cost effectiveness of recycling
- Used daily by Management and Field Level ISWMP Personnel
- Available document repository per project or contract
- Real time C&D data provides means for B-map upkeep
- Currently tracking 248 projects region-wide

SSW OCP WEBSITE

Unclassified

Welcome SNAPINS\jeslie

This Site



Sustainable Solid Waste Program (SSW)

[SSW Home](#) | [Applications](#) | [Document Repository](#) | [Contact](#)

[View All Site Content](#)

[Links](#)

- Start Here (HOLD SHIFT!)

[Documents](#)

- Shared Documents

[Lists](#)

- Calendar
- Tasks

[Discussions](#)

- Team Discussion

[Sites](#)

[People and Groups](#)

- Recycle Bin

Navy Region Southwest Sustainable Solid Waste Program (SSW)

Navy Region Southwest Sustainable Solid Waste Program (SSW)

MISSION: Provide policy, guidance, and direction to institutionalize and execute sustainable solid resource and waste management practices throughout NRSW for all activities that generate non-hazardous solid waste.

VISION: By 2012 develop and implement a Zero Waste Management Plan, promoting a culture of resourcefulness versus wastefulness.

GUIDING PRINCIPALS: Use RCRA definition of non-hazardous solid waste and DoD's solid waste hierarchy of: Reduce, Reuse, Recycle, Disposal only as a last resort.

Emphasizes resource / commodity management vs. traditional waste management practices

Application Access

To access the applications on the SSW start page:

- Click on the "Start Here" link in the left-hand column, or
- Click on the Application Link to the right.

Benefits of SSW

In addition to fulfilling the requirement for regulatory compliance, SSW provides substantial cost savings over the standard practice of land filling. The cost of reducing waste and collecting and processing recyclables is lower than land filling in most regions of the country. The benefit of landfill avoidance becomes even more important when the costs associated with siting, opening, and closing a new landfill are considered.

- Achieve local, regional, and state solid waste reduction/diversion goals.
- Saves landfill space.
- Saves energy.
- Reduces air and water pollution risks.
- Conserves natural resources.
- Reduces landfill disposal fees.
- Produces reusable products.
- Generates revenue from sale of reusable materials.

Announcements

There are currently no active announcements. To add a new announcement, click "Add new announcement" below.

[Add new announcement](#)

SSW APPLICATIONS



► **SSW OCP SOLUTION**



► **MAP ONLY**

LIST OF C&D PROJECTS IN DATA BASE

PER BASE OR REGION-WIDE

ISWMP Information and Mapping System - Microsoft Internet Explorer provided by NMCI

File Edit View Favorites Tools Help

Refuse Recycle C and D

Select By Facility

ENTER FACILITY #(S):

SELECT INSTALLATION(S):

ALL
ADM BAKER
ASW
BROADWAY
CABRILLO

SELECT STATUS(ES):

ALL
Construction Scheduled
Construction Funded
Construction In-Progress

Execute CD Query

Add New Project

46 Rows Returned: 46 C&D Projects Involving 37 Buildings:

View On Map Reports Help

YOU ARE CURRENTLY LOGGED IN AS: ANONYMOUS

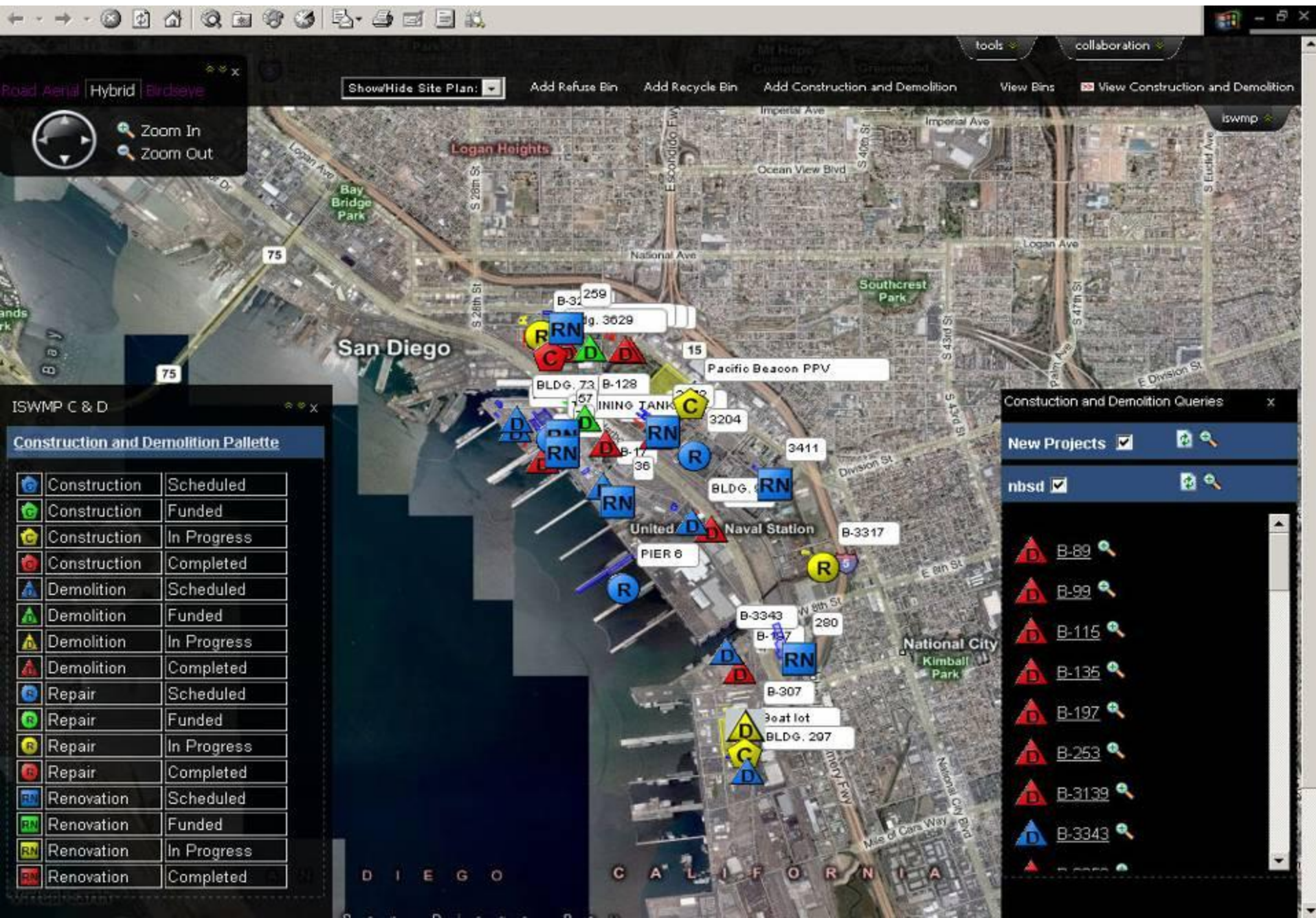
<< 1 >>

Facility Worksheet	Project Worksheet	STATUS	INSTALLATION NAME	PROJECT	BUILDING NUMBER	PROJECT INFO COLLECTION DATE	SCHEDULED FUNDING SOURCE	CONTR NUMB
		Constructed	NBSD	Bldg. 3629		5/2/2007		F4168
		Construction In-Progress	NBSD	Boat lot		2/14/2007		NONE
		Construction In-Progress	NBSD	Pacific Beacon PPV		5/8/2007		DEMC R2020
		Demolished	NBSD	B-115	B-115	5/10/2007	PWC	NONE
		Demolished	NBSD	B-135	B-135	11/1/2004	PWC	DEMC
		Demolished	NBSD	B-160	B-160			
		Demolished	NBSD	B-163	B-163	10/1/2004		
		Demolished	NBSD	B-197	B-197		PWC	
		Demolished	NBSD	B-25	B-25	2/1/2005		
		Demolished	NBSD	B-252	B-252	2/1/2005		
		Demolished	NBSD	B-253	B-253	3/1/2005	PWC	
		Demolished	NBSD	B-3139	B-3139	9/1/2005	PWC	
		Demolished	NBSD	B-3358	B-3358		PWC	
		Demolished	NBSD	B-89	B-89	5/1/2006	PWC	

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Start | Inbox - Microsoft Outlook | ISWMP OCP BRIEF MAY0... | ISWMP Information a... | 14:04

248 PROJECTS DISPLAY ON MAP PER BASE



EACH PROJECT HAS A “WORK SHEET”

DDSPSC01 14

Unclassified

view tools

Locate Installation/Facility Refuse Bin Recycle Bin Construction and Demolition Project add new

2D 3D Road Aerial Bird's eye Labels

CONSTRUCTION AND DEMOLITION PROJECT WORKSHEET Close

Status: Construction In-Progress * Require

Installation Name: SUBBASE * Require

Project Name: P-401 FUEL FARM * Require

Project Info Collected (Date): 9/8/2009 * Require

Building(s): B-00001 SSC Bayside
B-00002 SWIMMING POOL
B-00003
B-00004 None

Scheduled Funding Source: MILCON

Contract Number: C87501

Actual Funding Source: MILCON

Project Cost: \$139,142,212.00

Scheduled Start Date: 3/30/2009

Scheduled End Date: 9/24/2013

Actual Start Date: 6/1/2009

Actual End Date:

SWMP DAF: SWMP

SWMP DAF Approval Date: 1/27/2009

Diversion Report Received: Yes

Update Landfill and Recycle Tonnage and Expense

80 yds

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ISWMP Information and Mapping System - Microsoft Internet Explorer provided by NMCI

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Back Forward Stop Home Search Favorites Media Print Copy Paste

Links Customize Links EDS-NMCI Free Hotmail Homeport Windows Media Windows

Address http://iswmp.net/iswmp_containers_demo/iswmp_web_sheets.aspx Go

CONSTRUCTION AND DEMOLITION PROJECT WORKSHEET

Status:	Construction In-Progress	* Required
Installation Name:	NBSD	* Required
Project Name:	Pacific Beacon PPV	* Required
Project Info Collected (Date):	8/13/2007	* Required
Building(s):	NONE 1 North OTC NBPL 2 North OTC NBPL 2 South OTC NBPL	None
Scheduled Funding Source:	PPV	
Contract Number:	R20201-0006	
Actual Funding Source:	MILCON	
Project Cost:	\$40,000,000.00	
Scheduled Start Date:	11/15/2006	
Scheduled End Date:	12/31/2009	
Actual Start Date:	11/15/2006	
Actual End Date:		
SWMP OAF:	SWMP	
SWMP OAF Approval Date:	11/14/2006	
Diversion Report Received:	Yes	
Tons Diverted:	6295.89	
Tons Landfilled:	2942.87	
Percent Diverted:	68.15%	

Trusted sites

Start ISWMP Information a... Microsoft Office PowerPoi...

11:01

PROJECT WORKSHEET

Displays individual project General Info

- Project Status
- Installation
- Project Name
- Info Collection Date
- Building #
- Funding Source
- Contract #
- Project Cost
- Scheduled Start and End Dates
- Actual Start and End Dates
- Project Manager Name and Phone #

SSW Info

- SWMP or WAF Submittal and Approved Dates
- Diversion Reports Received
- Tons Diverted
- Tons Landfilled
- Percent Diverted
- Cost to Landfill
- Cost to Recycling/Divert
- Cost Avoidance



CONCLUSION

- **Technology assists in compliance with CNRSWINST 11350.1A Construction and Demolition Debris Program**
- **Tracks solid waste diversion by project**
- **Verifies submission of solid waste management plan or opportunity assessment form**
- **More cost effective to divert than landfill waste**
- **Verifies economic feasibility goes hand-in-hand with environmental sustainability**
- **Technology available from Space and Naval Warfare Center, Pacific**