

PROJECT NOTE NO.

PROJECT NO. 01-F041-ZQ

#1

CLE-J02-01F041-04-12-0001

CONFIRMATION OF	CONFERENCE	DATE HELD	28 March 1991
	TELECOM	DATE ISSUED	3 April 1991
	OTHER	RECORDED BY	Nestor Acedera
	X	PLACE	Pasadena, California

SUBJECT MODIFICATIONS ADDITIONS TO SWAT PROPOSAL  
 Old MCRD Disposal Area, NTC San Diego, California

PARTICIPANTS (\* DENOTES PART TIME ATTENDANCE)

<u>JEG</u>	<u>Navy</u>
Nestor Acedera	Jeff Kidwell

ACTION  
 REQ'D. BY

ITEM

This project note details the modifications/additions to the SWAT Proposal for the Old MCRD Disposal Area, NTC, San Diego, California. The attached revision resulted from comments from the regulatory agencies, including verbal comments received in a meeting with the agencies on 14 March 1991, and a conference call on 15 March 1991.

Provided below are Jacobs comments to the draft minutes of the meeting on 14 March 1991, and the conference call on 15 March 1991.

•Comments to Draft Minutes of 14 March Meeting

1. Item 3x (page 5)

Company affiliation and professional affiliation or registration of the person...

•Comment to Draft Minutes of 15 March Conference Call

1. Item 4  
 ... visual classification, which will be overseen by a registered geologist.

2. Item 7b

Registered geologist will oversee borehole logging.

**OLD MCRD DISPOSAL AREA  
NTC, San Diego, California**

**ADDENDUM TO THE SWAT PROPOSAL**

**I. THE FOLLOWING IS A LIST OF MODIFICATIONS TO THE SWAT PROPOSAL:**

**1. Soil Sampling (for chemical analysis)**

Soil samples will be collected at the following depths:

- Top 6 inches (surface sample)
- 1.5 - 2.0 feet
- 5 feet (or just above the saturated zone).

**2. Background Soil Samples**

An additional location to the north of the MCRD Disposal Area will be selected for background soil sampling. The proposed location is situated in a recreational area. Soil sampling depths will be as follows:

- Top 6 inches (surface sample)
- 1.5 - 2.0 feet
- 5 feet.

**3. Monitoring Well Design**

The well screen will be designed using the worst case scenario, i.e., 0.01 inch slot size for the screen and #30 sand for the gravel pack. A sieve analysis will be performed on a soil sample collected at the screened interval from the first well. The slot size for the well screen and the gravel pack material will be modified, if required, when results from the sieve analysis become available.

The well will be slowly bailed following placement of the gravel pack material to ensure adequate settlement of the gravel pack prior to sealing of the borehole.

Bentonite cement will be used instead of Volclay grout for sealing the borehole.

**4. Borehole Sample Collection**

A Teflon sheet will be placed at both ends of the sample ring prior to sealing with a cap.

**5. Groundwater Sample Collection**

For metals analysis, an additional groundwater sample will be collected from each well after filtration in the field. This will only be done during the initial round of groundwater sampling.

**6. Geophysical Survey**

A geophysical survey will be conducted in the 40-acre MCRD Disposal Area to delineate the landfill and determine areas of drum/metallic debris disposal within the landfill. The survey will also include the clearance of 11 monitoring well locations. Due to scheduling of drilling activities, clearance of the drilling locations will be conducted independently of the site survey. Geophysical methods will consist of electromagnetic induction (EMI), ground magnetics, and ground penetrating radar. EMI equipment will consist of a Geonics EM-31 (EM-31) coupled to a digital data logger. Magnetic equipment will consist of a EDA Omni Plus

magnetometer/gradiometer. An EDA Omni Plus Basestation magnetometer will also be used to allow corrections for diurnal drift in the earth's magnetic field. Ground penetrating radar (GPR) equipment will consist of a GSSI System 10 or System 3.

Measurements of conductivity and in-phase component field strength will be along a 10-foot by 10-foot grid with the EM-31. Measurements of the earth's total magnetic field and the vertical magnetic gradient will be made with the EDA Omni Plus. GPR profiles will be conducted in selected areas based on preliminary results of the EM-31 and magnetometer survey. Magnetometer surveys will be conducted in a 50-foot by 50-foot area around the proposed location of each monitoring well to clear the location of buried metallic objects. If the presence of utilities is expected in the vicinity of the drilling locations then EM line tracers and GPR methods will also be used during clearance.

## II. THE FOLLOWING IS A LIST OF ADDITIONS TO THE SWAT PROPOSAL:

### 1. Physical Properties of Soil

At least two soil samples will be collected from the saturated zone to determine their physical properties, i.e., sieve analysis, specific gravity, permeability, moisture content, and pH.

### 2. Field Screening of Soil Cuttings

Soil cuttings will be screened in the field during borehole drilling to avoid introducing contaminants to deeper formations. If contaminated soil is encountered during borehole drilling, the drilling will immediately be halted and the borehole relocated away from the disposal area.

### 3. Groundwater Wells Located in Airport Property

Attempts will be made to locate the three wells located in the airport property. The airport authority will be contacted for assistance. Once located, the static water level in all three wells will be measured. The static water levels obtained will aid in determining the local groundwater gradient. These wells, if located, will be incorporated in the well survey that was previously conducted and summarized in the SWAT Proposal.

### 4. Review of Medical Records

Medical records from the NTC and MCRD Medical Clinics are not available for the time period the MCRD Disposal Area operated. Discussions with the L.A. County Health Department, Communicable Diseases, indicate that the Hepatitis B virus would not survive in the conditions present at the MCRD Disposal Area. No testing for Hepatitis B will be conducted.

## III. THE FOLLOWING IS A LIST OF OTHER ITEMS TO BE ADDRESSED IN THE SWAT:

### 1. Sediment Sampling in the boat channel

Sediment sampling in the boat channel will be considered at a later stage.

### 2. Underground Storage Tank Removal in the Vicinity of Proposed Groundwater Monitoring Well SMW-9

Results from the underground storage tank removal in the vicinity of proposed groundwater monitoring well SMW-9 will be reviewed and incorporated in the SWAT report.

### 3. Boring Logs

Boring logs will be signed and stamped by a registered geologist.

4. Cover Page of SWAT Report

The cover page of the SWAT Report will include the company affiliation (e.g., Jacobs, IT or CH2MHILL) and professional affiliation or registration of persons (project manager, technical reviewer, etc.) signing the report.

5. Health and Safety

Shower, drinking water, and washroom available in Building 559 located within the "site boundary."

6. Boring Logs from the site at Building 227

Boring logs from a site located 600 feet east of Rosecrans Street (Building 227) will be provided.

7. Topographic Map

The SWAT groundwater monitoring wells will be plotted on a USGS topographic map and included in the SWAT Report.

8. SOPs

The Jacobs SOPs for groundwater sampling (SOP No. 25.0) and field decontamination procedures for equipment used in groundwater data collection (SOP No. 26.0) will be included.

9. Tide Chart

The tide chart will be included together with the groundwater sampling time.

10. Wash Water

Wash water generated during cleaning of the augers will be contained in drums.



DEPARTMENT OF THE NAVY  
NAVAL TRAINING STATION  
SAN DIEGO, CALIFORNIA 92133-1000

IN REPLY REFER TO:

5090  
17/0410  
16 APR 1991

Mr. Bob Morris  
CA Regional Water Quality Control Board  
Region IX  
9771 Clairemont Mesa Blvd., Suite B  
San Diego, CA 92124-1331

Dear Mr. Morris:

Enclosed are modifications/additions to the Solid Waste Water Quality Assessment Test (SWAT) and Site Inspection (SI) Workplan we submitted to you on January 24, 1991. This workplan includes a SWAT and SI for the Old Marine Corps Recruit Depot Refuse Disposal area located at the Naval Training Center San Diego.

These revisions resulted from comments expressed during the March 14, 1991 meeting conducted at the Regional Water Quality Control Board (RWQCB) with appropriate regulatory agencies. This completes our SWAT and SI Workplan. These modifications/revisions will be incorporated in our SWAT/SI report.

For questions, contact Ms. Martha Gandy, Environmental Engineer, at (619) 524-1022.

Sincerely,

A handwritten signature in cursive script that reads "J. C. Veselelak".

J. C. VESELENAK  
Lieutenant Commander, U. S. Navy  
Public Works Officer

Encl:

(1) Modifications/Additions to SWAT Proposal

Copy to:

SWNAVFACENCOM (Code 18.12JK)  
NTC San Diego



DEPARTMENT OF THE NAVY  
NAVAL TRAINING STATION  
SAN DIEGO, CALIFORNIA 92133-1000

IN REPLY REFER

5090  
17/ 0409  
16 APR 1991

Mr. Emad Yemut  
Site Mitigation Unit  
CA Dept. of Health Services  
245 West Broadway, Suite 350  
Long Beach, CA 90802

Dear Mr. Yemut:

Enclosed are modifications/additions to the Solid Waste Water Quality Assessment Test (SWAT) and Site Inspection (SI) Workplan we submitted to you on January 24, 1991. This workplan includes a SWAT and SI for the Old Marine Corps Recruit Depot Refuse Disposal area located at the Naval Training Center San Diego.

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For questions, contact Ms. Martha Gandy, Environmental Engineer, at (619) 524-1022.

Sincerely,

A handwritten signature in cursive script, appearing to read "J. C. Veselelak".

J. C. VESELENAK  
Lieutenant Commander, U. S. Navy  
Public Works Officer

Encl:

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DEPARTMENT OF THE NAVY  
NAVAL TRAINING STATION  
SAN DIEGO, CALIFORNIA 92133-1000

IN REPLY, PLEASE REFER TO

5090  
17/0408

APR 16 1991

Mr. John Menatti  
County of San Diego  
Department of Health Services  
Hazardous Materials Management Division  
P. O. Box 85261  
San Diego, CA 92138-5261

Dear Mr. Menatti:

Enclosed are modifications/additions to the Solid Waste Water Quality Assessment Test (SWAT) and Site Inspection (SI) Workplan we submitted to you on January 24, 1991. This workplan includes a SWAT and SI for the Old Marine Corps Recruit Depot Refuse Disposal area located at the Naval Training Center San Diego.

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J. C. VESELENAK  
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