



DEPARTMENT OF THE ARMY
SAN FRANCISCO DISTRICT, CORPS OF ENGINEERS
1455 MARKET STREET
SAN FRANCISCO, CALIFORNIA 94103-1398

JUN 25 2008

Regulatory Division

SUBJECT: File Number 400192S, BAE Systems Maintenance Dredging

Mr. Hugh Vanderspek
BAE Systems
Foot of 20th Street
San Francisco, California 94107

Dear Mr. Vanderspek:

Enclosed are two copies of a Department of the Army (DA) permit to dredge approximately 920,000 cubic yards (cys) of material over the next ten years from the BAE Systems facility located at the foot of 20th Street in the City and County of San Francisco, California.

You are advised that the Corps has established an Administrative Appeal Process, as described in our regulations at 33 CFR Part 331 (65 FR 16486; March 28, 2000) and outlined in the enclosed flowchart and Notification of Administrative Appeal Options, Process, and Request for Appeal (NAO-RFA) Form. The following two options are available to you in your evaluation of the enclosed permit:

- 1) You may sign and date both copies of the permit on the line designated for "Permittee". Your signature on the permit indicates that you accept the permit in its entirety, and waive all rights to appeal the permit, or its terms and conditions. Both copies of the permit must be returned along with a check for \$100.00 made payable to "F&A Officer, USAED, San Francisco" to this office for final authorization. We will then forward one copy of the fully executed permit for your records.
- 2) You may decline to sign the permit because you object to certain terms and conditions therein, and you may request that the permit be modified accordingly. You must outline your objections to the terms and conditions of the permit by completing Section II of the NAO-RFA Form. Your objections must be received by the District Engineer within sixty (60) days of the date of this letter, or you will forfeit your right to request changes to the terms and conditions of the permit. Upon receipt of the completed NAO-RFA Form, the District Engineer will evaluate your objections, and may: (a) modify the permit to address all of your objections, or (b) modify the permit to address some of your objections, or (c) not modify the permit, having determined that the permit should be issued as previously written. In any of these three cases, the District Engineer will send you a final permit for your reconsideration, as well as a second NAO-RFA Form. Should you decline the final proffered permit, you can appeal the declined permit by submitting the completed NAO-RFA Form to the Division Engineer. The NAO-RFA Form must be received by the

Division Engineer within sixty (60) days of the date of the second transmittal letter, or you will forfeit your right to pursue an appeal.


If you fail to sign and return both copies of this permit or fail to request a modification of the permit within sixty (60) days from the date of this letter, your permit application may be withdrawn pursuant to our regulations at 33 CFR Part 325.2(d)(5).

Be advised that your signed permit will NOT be an authorization to proceed. You must first fulfill the requirements of Special Permit Conditions 8b, 8c, and 8d on pages 3B and 3C. The conditions are for the submittal, to this office for approval, of a dredge operations plan, a before dredge survey and a solid debris management plan. Once these items have been submitted and approved, by this office, you will receive written authorization to commence your work.

Should you have any questions please call Debra O'Leary at (415) 503-6807 or e-mail her at debra.a.o'leary@usace.army.mil. If you wish to write please address all correspondence to Regulatory Division and refer to the file number 400192S.

Sincerely,



 Craig W. Kiley
Lieutenant Colonel, U.S. Army
Commander

Enclosures

Copy Furnished (w/out enclosures):

Scott Bodensteiner, Weston Solutions, Inc., Suite 910, 1440 Broadway, Oakland, CA 94612-2028



DEPARTMENT OF THE ARMY
SAN FRANCISCO DISTRICT, CORPS OF ENGINEERS
4155 MARKET STREET
SAN FRANCISCO, CALIFORNIA 94103-1398

JUN 26 2008

REPLY TO

Regulatory Division

SUBJECT: File Number 400192S, BAE Systems Maintenance Dredging

Mr. Hugh Vanderspek
BAE Systems
Foot of 20th Street
San Francisco, California 94107

Dear Mr. Vanderspek:

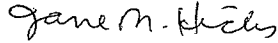
Enclosed is your signed copy of a Department of the Army permit (Enclosure 1) to dredge approximately 920,000 cubic yards (cys) of material over the next ten years from the BAE Systems facility located at the foot of 20th Street in San Francisco, San Francisco County, California.


Please complete the appropriate parts of the "Project Status" form (Enclosure 2) for each episode, and return them to this office. You are responsible for ensuring that the contractor (or workers) executing the activity authorized herein is knowledgeable with the terms and conditions of this authorization.

Be advised that your signed permit will NOT be an authorization to proceed. You must first fulfill the requirements of Special Permit Conditions 8b, 8c, and 8d on pages 3B and 3C. The conditions are for the submittal, to this office for approval, of a dredge operations plan, a before-dredge survey and a solid-debris management plan. Once these items have been submitted and approved, by this office, you will receive written authorization to commence your work. It is important that all the information requested in the above-mentioned Special Conditions is submitted as specified or the submittal might be considered incomplete. An incomplete submittal can be returned for completion, causing delays to your project. You are also responsible for all other general and special conditions contained in your permit.

Should you have any questions please call Debra O'Leary at (415) 503-6807 or e-mail her at debra.a.o'leary@usace.army.mil. If you wish to write please address all correspondence to Regulatory Division and refer to the file number 400192S.

Sincerely,



 Craig W. Kiley
Lieutenant Colonel, U.S. Army
Commander

Enclosures

Enclosures

Copy Furnished (w/encl 1 only):

Copies Furnished:

Scott Bodensteiner, Weston Solutions, Inc., Suite 910, 1440 Broadway, Oakland, CA 94612-2028

BAE Systems, San Diego, CA, Attn: Sandor Halvax

Weston Solutions, Oakland, CA, Attn: Scott Bodensteiner

CA BCDC, San Francisco, CA, Attn: Brenda Goeden

US EPA, San Francisco, CA, Attn: Brian Ross

CA F&G, Monterey, CA, Attn: George Isaac

US F&WS, Sacramento, CA, Attn: Ryan Olah

US NMFS, Santa Rosa, CA, Attn: Laura Hoberecht, Korie Schaeffer

CA RWQCB, Oakland, CA, Attn: Beth Christian



DEPARTMENT OF THE ARMY
SAN FRANCISCO DISTRICT, U.S. ARMY CORPS OF ENGINEERS
1455 MARKET STREET
SAN FRANCISCO, CALIFORNIA 94103-1398

REPLY TO

DEPARTMENT OF THE ARMY PERMIT

PERMITTEE: BAE Systems

PERMIT NO.: 400192S

ISSUING OFFICE: San Francisco District

NOTE: The term "you" and its derivatives, as used in this permit, means the permittee or any future transferee. The term "this office" refers to the appropriate District or Division office of the Corps of Engineers having jurisdiction over the permitted activity or the appropriate official of that office acting under the authority of the commanding officer.

You are authorized to perform work in accordance with the terms and conditions specified below:

PROJECT DESCRIPTION:

BAE Systems is authorized to dredge approximately 920,000 cubic yards of material from San Francisco Bay. Material will be mechanically dredged and placed in a barge for transport to the disposal site. All authorized work shall be performed in accordance with the attached drawings labeled: "DA Permit Number: 400192S, BAE Systems, Drydock Facility, San Francisco Bay, California," in six sheets dated March 2008. Although BAE Systems may dredge the entire basin (see Area A, Figure 3), typically only the areas adjacent to Pier 3 East, Pier 3 West, Pier 4, Drydock 1 and Drydock 2 are dredged. The project depths are:

- Pier 3 East -32 feet Mean Lower Low Water (MLLW) plus 2 feet overdepth,
- Pier 3 West -32 feet MLLW plus 2 feet overdepth,
- Pier 4 East -32 feet MLLW plus 2 feet overdepth,
- Drydock 1 -49 feet MLLW plus 2 feet overdepth, and
- Drydock 2 -62.5 feet MLLW plus 2 feet overdepth.

Depending on the suitability of the material, the permittee is authorized to:

- Dispose of the dredged material at SF-11, the Alcatraz Island Disposal Site,
- Dispose of the dredged material at SF-10, the San Pablo Bay Disposal Site,
- Transport the material to SF-DODS, San Francisco Deep Ocean Disposal Site,
- Place the material at a approved wetlands beneficial reuse site such as the Montezuma Wetlands Site or the Hamilton Airfield Wetland Restoration Site, or
- Discharge return water from an appropriate confined upland disposal site.

During the initial episode BAE Systems intends to dredge approximately 120,000 cubic yards of material from under Drydock 2 to a depth of -57 MLLW feet plus 1 foot of overdepth. Material dredged from above -55 feet MLLW will be disposed at SF-11 and material dredged from below -55 feet MLLW will be disposed of at SF-DODS.

PROJECT LOCATION: The project site is located at the BAE Systems facility at the foot of 20th Street in San Francisco, San Francisco County, California.

PERMIT CONDITIONS:

GENERAL CONDITIONS:

1. The time limit for completing the work authorized ends on December 31, 2018. If you find that you need more time to complete the authorized activity, submit your request for a time extension to this office for consideration at least one month before the above date is reached.
2. You must maintain the activity authorized by this permit in good condition and in conformance with the terms and conditions of this permit. You are not relieved of this requirement if you abandon the permitted activity, although you may make a good faith transfer to a third party in compliance with General Condition 4 below. Should you wish to cease to maintain the authorized activity or should you desire to abandon it without a good faith transfer, you must obtain a modification of this permit from this office, which may require restoration of the area.
3. If you discover any previously unknown historic or archeological remains while accomplishing the activity authorized by this permit, you must immediately notify this office of what you have found. We will initiate the Federal and State coordination required to determine if the remains warrant a recovery effort or if the site is eligible for listing in the National Register of Historic Places.
4. If you sell the property associated with this permit, you must obtain the signature of the new owner in the space provided and forward a copy of the permit to this office to validate the transfer of this authorization.
5. If a conditioned water quality certification has been issued for your project, you must comply with the conditions specified in the certification as special conditions to this permit. For your convenience, a copy of the certification is attached if it contains such conditions.
6. You must allow representatives from this office to inspect the authorized activity at any time deemed necessary to ensure that it is being or has been accomplished in accordance with the terms and conditions of your permit.
7. You understand and agree that, if future operations by the United States require the removal, relocation or other alteration of the structure or work authorized herein, or if, in the opinion of the Secretary of the Army or his authorized representative, said structure or work shall cause unreasonable obstruction to the free navigation of the navigable waters, you will be required, upon due notice from the Corps of Engineers, to remove, relocate, or alter the structural work or obstructions caused thereby, without expense to the United States. No claim shall be made against the United States on account of any such removal or alteration.

SPECIAL CONDITIONS:

1. Unless variations are specifically authorized by the U.S. Army Corps of Engineers (Corps), dredging shall be limited to June 1st through November 30th each year for the following reasons:
 - a. In order to minimize impacts to listed species of steelhead trout (*Oncorhynchus mykiss*), dredging and disposal operations shall occur from June 1st through November 30th. If dredging is proposed between December 1st and May 31, the permittee must notify the Corps and refrain from dredging until a Section 7 Endangered Species Act consultation between the Corps and the National Marine Fisheries Service is completed.
 - b. In order to minimize impacts to listed species of chinook salmon (*Oncorhynchus tshawytscha*), dredging and disposal operations shall occur from June 1st to November 30th. If dredging is proposed between December 1st and May 31st, the permittee must notify the Corps and refrain from dredging until a Section 7 Endangered Species Act consultation between the Corps and the National Marine Fisheries Service is completed.

- c. In order to avoid impacts to the sensitive Pacific herring (*Clupea pallas*) during their spawning season, all dredging activities shall occur only from March 1st through November 30th or as determined by the California Department of Fish and Game.
2. During the initial episode of dredging under Drydock 2, BAE Systems shall:
- a. test sediments exposed by dredging activities to determine polycyclic aromatic hydrocarbons (PAH) concentrations in newly exposed surface sediments
 - b. not dredge deeper than -58 feet MLLW,
 - c. dispose of material dredged from above -55 feet MLLW at the Alcatraz Island Disposal Site (SF-11) and dispose of material dredged from below -55 feet at the San Francisco Deep Ocean Disposal Site (SF-DODs).
3. All vessel tracking, record keeping, and reporting requirements as described in the "Generic Ocean Disposal Special Conditions for use of the San Francisco Deep Ocean Disposal Site (SF-DODS)" (updated October 10, 2006, Enclosed), shall be adhered to for **disposal of material at SF-DODS**.
4. Additional special conditions found on pages 3A-E (attached) shall be adhered to at all times.

FURTHER INFORMATION:

1. Congressional Authorities: You have been authorized to undertake the activity described above pursuant to:
- (X) Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. Section 403).
 - (X) Section 404 of the Clean Water Act (33 U.S.C. Section 1344).
 - (X) Section 103 of the Marine Protection, Research and Sanctuaries Act of 1972 (33 U.S.C. Section 1413).
2. Limits of this authorization:
- a. This permit does not obviate the need to obtain other Federal, State, or local authorizations required by law.
 - b. This permit does not grant any property rights or exclusive privileges.
 - c. This permit does not authorize any injury to the property or rights of others.
 - d. This permit does not authorize interference with any existing or proposed Federal project.
3. Limits of Federal Liability: In issuing this permit, the Federal Government does not assume any liability for the following:
- a. Damages to the permitted project or uses thereof as a result of other permitted or unpermitted activities or from natural causes.
 - b. Damages to the permitted project or uses thereof as a result of current or future activities undertaken by or on behalf of the United States in the public interest.
 - c. Damages to persons, property, or to other permitted or unpermitted activities or structures caused by the activity authorized by this permit.
 - d. Design or construction deficiencies associated with the permitted work.
 - e. Damage claims associated with any future modification, suspension, or revocation of this permit.

SPECIAL CONDITIONS TO PERMIT NUMBER 400192

1. Your use of the permitted activity must not interfere with the public's right to free navigation on all navigable waters of the United States.
2. You must have a copy of this permit available on the vessel used for the authorized transportation and disposal of dredged material.
3. You must advise this office as per Special Condition 12, on page 3D, **before** you start dredging activities under the authorization of this permit.
4. To provide notification of activities affecting navigation, the permittee shall provide the following information by fax, e-mail or standard mail to the contact listed below **at least two weeks before commencing work**:
 - a. Name and telephone number of the dredge and/or project manager.
 - b. Size and placement of any floating construction equipment.
 - c. Radio telephone frequencies and call signs of any marine equipment.
 - d. Anticipated work start and completion dates.

Commander (dpw)
11th Coast Guard District
Coast Guard Island, Bldg 50-2
Alameda, California 94501-5100

POC:
Local Notice to Mariners
Waterways Management Branch
PH: 510-337-2970
FAX: 510-437-3423
E-MAIL: D11LNM@uscg.mil

5. The Coast Guard Captain of the Port of San Francisco Bay may require modifications to marine construction equipment deployment or mooring systems to safeguard navigation while work is in progress.
6. All vessels operated for disposal of dredged material are required to participate in the Coast Guard's Vessel Traffic Control Service (VTS). Five minutes before each departure, the permittee shall notify the VTS by radio, via Channel 14, of the following: The name of vessel; time of departure from dredge site; and time of departure from disposal site.
7. When utilizing the San Pablo Bay Disposal Site (SF-10), the permittee shall dispose of all dredged material within a rectangular area, 1500 feet by 3000 feet, long axis bearing 050 true, and center at latitude 38°00'28"N; longitude 122°24'55"W.

When utilizing the Alcatraz Island Disposal Site (SF-11), the permittee shall dispose of all dredged material within a circular area of radius 1000 with center located at latitude 37°49'17"N; longitude 122°25'23"W.

The District Engineer will determine the specific disposal area and the specific location within the disposal area upon approval of the Dredge Operation Plan (see below).

8. The permittee shall submit the following reports for review and comment to:

U.S. Army Corps of Engineers, San Francisco District
Chief, Operations and Readiness Branch
Attn: Debra O'Leary
1455 Market Street, 16th Floor
San Francisco, California 94103-1398

a. Dredge Material Analysis: Submit, for approval, no earlier than 60 days prior to the proposed commencement of any authorized successive dredging episodes, dredge material analysis (Physical, Chemical, and Biological) sampling and testing information. **Please include the U.S. Army Corps of Engineers (Corps) permit number and dredge episode number with this submittal.** Also submit Regional Water Quality Control Board (RWQCB) water quality certification or waiver for disposal of the material. For each dredging episode, the permittee shall obtain the approval of the District Engineer for formulating specific sediment testing procedures for the Dredged Material Analysis. The testing protocol will be in accordance with the testing guidelines as published in the Corps and U.S. Environmental Protection Agency publication entitled, "Evaluation of Dredged Material Proposed for Discharge in Waters of the U.S. - Testing Manual" (The Inland Testing Manual or ITM, EPA-823-B-98-004), dated February 1998, and subsequent amendments thereto. The permittee shall provide a copy of the Dredged Material Analysis to the U.S. Environmental Protection Agency, U.S. Fish and Wildlife Service, National Marine Fisheries Service, and California Department of Fish and Game concurrent with the San Francisco Bay Conservation and Development Commission's RWQCB's, and the Corps' receipt of this information. Agency comments submitted to the Corps within 15 calendar days thereafter will be given full consideration in the decision on dredged material disposal.

b. Dredge Operation Plan: Submit, for approval by this office, no earlier than 60 calendar days and no later than 20 calendar days before the proposed commencement of dredging, a plan which includes the following: **Corps permit number, dredge episode number**, a copy of the dredging contract or description of the work under which the contractor will do the permitted work; name and telephone numbers of the dredging contractor's representative on site; dredging start and completion dates; names of vessel; dump scow numbers or identification; bin or barge capacities; identification of work as either maintenance dredging or new dredging; discussion of proposed dredging procedures, as governed under Special Condition No. 11, with detailed drawings or specifications of the grid or centrifugal pump system; quantity of material to be removed; dredging design depth and typical cross section including overdepth; and date of last dredging episode and design depth. The Dredge Operational Plan shall also provide the following information:

1. The controls being established to insure that dredging operations occur within the limits defined by the channel dimensions and typical channel section. The horizontal and vertical positioning systems being utilized must be indicated as noted in 3, below.
2. The controls being established to insure that disposal of the dredged material at the disposal site is at the assigned location and depth. The horizontal and vertical positioning systems being utilized must be indicated as noted in 3, below.
3. Method of determining electronic positioning of dredge or dump scow during entire dredging operation at dredge site, disposal site and en route to and from disposal site.

Please note that failure to provide all of the above information may result in delays to your project. When your Dredge Operation Plan has been approved, you will receive a written authorization to commence with your project.

c. Pre-Dredge Survey: Submit no earlier than 60 calendar days and no later than 20 calendar days before commencement of dredging, a survey with accuracy to one-tenth foot that delineates and labels the following: areas to be dredged with overdepth allowances; existing depths; estimated quantities to be dredged to the design depth; and estimated quantities to the overdepth limit. All surveys shall be signed by the permittee to certify their accuracy. Please include the Corps permit number and dredge episode number.

Please note that failure to provide all the above information may result in delays to your project.

d. Solid Debris Management Plan: Submit no earlier than 60 calendar days and no later than 20 calendar days before commencement of work, a plan which describes measures to ensure that solid debris generated during any authorized dredging, demolition or construction operation is retained and properly disposed in areas not under Corps jurisdiction. At a minimum, the plan shall include the following: source and expected type of debris; debris retrieval method; Corps permit number and dredge episode number; disposal method and site; schedule of disposal operations; and debris containment method to be used, if floatable debris is involved.

Please note that failure to provide all the above information may result in delays to your project.

e. Post-Dredge Survey: Submit, within 30 days of the last disposal activity ("last" is defined as that activity after which no further activity occurs for 15 calendar days), a survey with accuracy to one-tenth foot that delineates and labels the areas dredged and the dredged depths. Also, include the Corps permit number, dredge episode number, dates of dredging commencement and completion, actual quantities dredged to the design depth, and actual quantities to the overdepth limit. The permittee shall substantiate the total quantity dredged by including calculations used to determine the volume difference (in cubic yards) between the Pre- and Post-Dredging Surveys and explain any variation in quantities greater than 15% beyond estimated quantities or dredging deeper than is permitted (design plus overdepth allowance). All surveys shall be accomplished by a licensed surveyor and signed by the permittee to certify their accuracy. A copy of the Post-Dredge Survey should be sent to the National Ocean Service for chart updating:

NOAA/National Ocean Service
Nautical Data Branch
N/CS26, SSMC3, Room 7230
1315 East-West Highway
Silver Spring, Maryland 20910-3282.

9. Disposal Site Verification Log (DSVL): Submit on a weekly basis by noon Monday, the log (downloadable from <http://www.spn.usace.army.mil/conops/forms/dsvsl/pdf>) that enumerates work accomplished during the preceding week. Mail to:

U.S. Army Corps of Engineers, San Francisco District
Attn: Debra O'Leary, DMMO
1455 Market Street, 16th Floor
San Francisco, California 94103-1398;

FAXed to Ms. Shelah Sweatt at (415) 503-6690; or e-mail to shelah.sweatt@usace.army.mil. Please include the Corps

permit number and dredge episode number. The log will be provided when the Corps approves the Dredge Operation Plan and authorizes the commencement of the dredging.

10. Overflow requirements:

- a. No overflow or decant water shall be discharged from the barge, with the exception of spillage incidental to mechanical dredge operations.
- b. During transportation from the dredging site to the disposal site, no material shall be permitted to overflow, leak or spill from barge, bins or dump scows.
- c. During dredging operations, overflow shall be limited to a maximum of 15 minutes for hopper dredge only. Adjustments to the dredging operation may be required to insure that once overflow commences, it will not exceed the 15-minute limit.
- d. For approved sand dredging, overflow will not exceed 15 minutes or the economic load, whichever occurs first.

11. The permittee shall ensure that all dredged material is slurried prior to disposal to prevent any accumulation or build up of material at the disposal site. All dredged material shall be slurried in one of the following manners:

- a. Dredged material will be either pumped with a centrifugal pump prior to leaving the dredge site for the disposal site; or,
- b. If the material is mechanically dredged, passed through a debris grid, with a maximum opening size of 12 inches by 12 inches that will cover the entire loading area of the dump scow. Everything that does not pass through the grid will be considered solid debris and shall be disposed in areas outside of Corps jurisdiction. All such material shall be promptly removed from the grid at the end of each 8 hour shift or sooner.

12. **The permittee or dredge contractor shall inform this office when: 1) a dredge episode actually commences, 2) when dredging is suspended (suspension is when the dredge contractor leaves the dredge site for more than 48 hours for reasons other than equipment maintenance), 3) when dredging is restarted, and 4) when dredging is complete. Each notification should include the Corps permit number and dredge episode number.** The information can be sent to the attention of Debra O'Leary, in writing to the address below; FAXed to (415) 503-6690; e-mailed to debra.a.o'leary@usace.army.mil or via telephone message at (415) 503-6807.

U.S. Army Corps of Engineers, San Francisco District
Attn: Debra O'Leary, DMMO
1455 Market Street, 16th Floor
San Francisco, California 94103-1398

13. The permittee, as directed by the District Engineer under authority pursuant to the policies and procedures of 33 CFR 325.7, may be required to modify disposal schedules and monthly disposal quantities for particular dredging episodes.

14. The permittee shall allow the dredging area and equipment to be inspected by the Corps staff upon request.

15. For each dredge episode, the permittee shall be responsible for obtaining a letter of water quality certification from the Regional Water Control Quality Board and authorization from the San Francisco Bay Conservation and

Development Commission (BCDC). Water quality certification and BCDC authorization will be a prerequisite to the District Engineer's decision to approve or disapprove specific dredge episodes pursuant to the policies and 33 CFR 325.2(b)(1)(ii) and 325.2(b)(2)(ii).

16. **If a land, ocean, or other aquatic disposal site becomes available for use during the life of the permit, the permittee shall evaluate these disposal alternatives, taking into consideration cost, existing technology, and logistics in light of the overall project purpose to facilitate compliance with the 404(b)(1) Guidelines (40 CFR 230). This evaluation shall be submitted to the Corps at least 60 calendar days before commencement of subsequent dredging episodes. The District Engineer, upon review of this information and after consultation with other resource agencies, may direct the permittee to use such sites in lieu of or in addition to the San Pablo Bay Disposal Site (SF-10) or the Alcatraz Disposal Site (SF-11), under authority of 33 CFR 325.7 and 40 CFR 230.10(a).**

4. **Reliance on Applicant's Data:** The determination of this office that issuance of this permit is not contrary to the public interest was made in reliance on the information you provided.

5. **Reevaluation of Permit Decision:** This office may reevaluate its decision on this permit at any time the circumstances warrant. Circumstances that could require a reevaluation include, but are not limited to, the following:
 - a. You fail to comply with the terms and conditions of this permit.
 - b. The information provided by you in support of your permit application proves to have been false, incomplete, or inaccurate. (See Item 4 above.)
 - c. Significant new information surfaces which this office did not consider in reaching the original public interest decision.

Such a reevaluation may result in a determination that it is appropriate to use the suspension, modification, and revocation procedures contained in 33 C.F.R. Section 325.7 or enforcement procedures such as those contained in 33 C.F.R. Sections 326.4 and 326.5. The referenced enforcement procedures provide for the issuance of an administrative order requiring you to comply with the terms and conditions of your permit and for the initiation of legal action where appropriate. You will be required to pay for any corrective measures ordered by this office, and if you fail to comply with such directive, this office may in certain situations (such as those specified in 33 C.F.R. Section 209.170) accomplish the corrective measures by contract or otherwise and bill you for the cost.

6. **Extensions:** General Condition 1 establishes a time limit for the completion of the activity authorized by this permit. Unless there are circumstances requiring either a prompt completion of the authorized activity or a reevaluation of the public interest decision, the Corps will normally give favorable consideration to a request for an extension of this time limit.

Your signature below, as permittee, indicates that you accept and agree to comply with the terms and conditions of this permit.

Walt Vahl 6/21/08
(PERMITTEE) (DATE)

This permit becomes effective when the Federal official, designated to act for the Secretary of the Army, has signed below.

Jane M. Hulis 6/26/08
Craig W. Kiley (DATE)
Lieutenant Colonel, U.S. Army
District Commander

When the structures or work authorized by this permit are still in existence at the time the property is transferred, the terms and conditions of this permit will continue to be binding on the new owner(s) of the property. To validate the transfer of this permit and the associated liabilities associated with compliance with its terms and conditions, have the transferee sign and date below.

(TRANSFEREE) (DATE)

October 10, 2006

**EPA Standard Ocean Disposal Conditions for the
San Francisco Deep Ocean Disposal Site**

For enhanced clarity and understanding, the following updated Special Conditions combine and re-number many of the previously-published special conditions for SF-DODS. Note that the substantive provisions of EPA's 1999 rule (64 FR 141, pages 39927-39934), and EPA's most recent SMMP Implementation Manual for SF-DODS must be incorporated by reference as part of the project authorization/contract, except as the following specific provisions update them. Also note that the term "permit" as used here applies both to USACE ocean dumping permits issued under Section 103 of the MPRSA, and to contracts or other authorizations for USACE dredging projects.

Generic Ocean Disposal Special Conditions for use of the San Francisco Deep Ocean Disposal Site (SF-DODS)

(Update, includes modifications to Conditions 6, 7, 11, and 12)

1. Dredged material shall not be leaked or spilled from disposal vessels during transit to the SF-DODS. Transportation of dredged material to the SF-DODS shall only be allowed when weather and sea state conditions will not interfere with safe transportation and will not create risk of spillage, leak or other loss of dredged material in transit to the SF-DODS. No disposal vessel trips shall be initiated when the National Weather Service has issued a gale warning for local waters during the time period necessary to complete dumping operations, or when wave heights are 16 feet or greater. The permittee must consult the most current version of the SMMP Implementation Manual for additional restrictions and/or clarifications regarding other sea state parameters, including but not limited to wave period.
2. Vessels used for dredged material transportation and disposal must not be loaded beyond a level at which dredged material would be expected to be spilled in transit under anticipated sea state conditions, and in no case may disposal vessels be filled to more than 80 percent of the vessel's maximum bin or hopper volume. Before any disposal vessel departs for the SF-DODS, an independent quality control inspector ("*Independent*" means not a direct employee of the permittee or dredging contractor) must certify in writing that the vessel is not over-loaded, and otherwise meets the conditions and requirements of a Scow Certification Checklist that contains all of the substantive elements found in the example contained in the most current SMMP Implementation Manual. EPA and USACE must approve the permittees' proposed Scow Certification Checklist prior to the commencement of ocean disposal operations. No ocean disposal trip may be initiated until both the vessel captain and the independent inspector have signed all relevant entries on the Scow Certification Checklist.
3. Disposal vessels in transit to and from the SF-DODS must remain at least three nautical miles from the Farallon Islands whenever possible. Closer approaches should occur only where the designated vessel traffic lane enters the 3-mile limit. In

no case should disposal vessels leave the designated vessel traffic lane within the 3-mile limit, or transit north of a line extending westward from the termination of the designated vessel traffic lane while within the 3-mile limit.

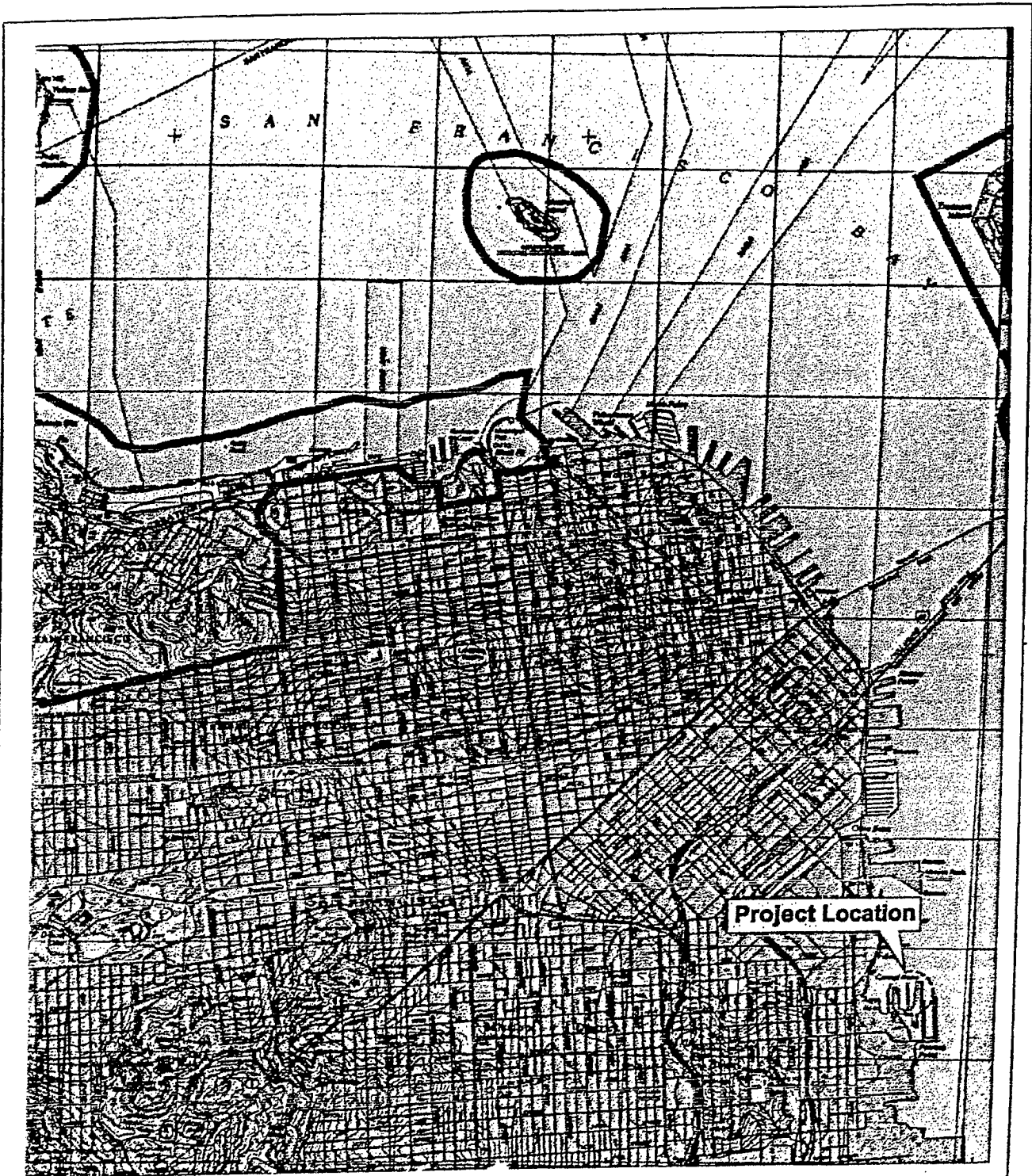
4. Surface Disposal Zone: When dredged material is discharged within the SF-DODS, no portion of the vessel from which the materials are to be released (e.g. hopper dredge or towed barge) may be further than 1,960 feet (600 meters) from the center of the disposal site at latitude 37°39'N; longitude 123°29'W.
5. No more than one disposal vessel may be present within the SF-DODS Surface Disposal Zone at any time.
6. The primary tracking system for recording ocean disposal operations shall be disposal vessel- (e.g., scow-) based. Disposal vessels shall use an appropriate Global Positioning System (satellite) tracking system capable of indicating and recording the position of the disposal vessel with a minimum accuracy of $\sqrt{10}$ feet during all transportation and disposal operations. Draft and bin sensors must be positioned near both the forward and aft ends of the disposal vessel, and calibrated to accurately record vessel draft and load level within the bin, respectively. The primary disposal tracking system must indicate and record the position, draft, and load level within the bin of the disposal vessel throughout transit to the disposal site, during dumping and for at least one-half hour after disposal is complete, as well as indicate and record the time and location of the beginning and end of each disposal event. This primary disposal tracking system must indicate and automatically record the position, draft and load level within the bin of the disposal vessel at a maximum 5-minute interval while outside the SF-DODS disposal site boundary, and at a maximum 15-second interval while inside the SF-DODS disposal site boundary.
7. Data recorded from the primary disposal tracking system must be posted by a third party contractor on a near-real time basis to a World Wide Web (Internet) site accessible by EPA Region 9, the San Francisco District USACE, and NOAA's Gulf of the Farallones National Marine Sanctuary. The Web site must be searchable by disposal trip number and date, and at a minimum for each disposal trip it must provide a visual display of: the disposal vessel transit route to SF-DODS; the beginning and ending locations of the disposal event; and the disposal vessel draft and load level in the bin throughout the transit. The requirement for posting this information on the Web is independent from the hard-copy reporting requirements listed in Special Condition 9, below. The third-party system must also generate and distribute "e-mail alerts" regarding any degree of apparent dumping outside the Surface Disposal Zone of SF-DODS, and regarding any apparent substantial leakage/spillage or other loss of material en route to SF-DODS. Substantial leakage/spillage or other loss shall be defined as an apparent loss of draft of one foot or more between the time that the disposal vessel begins the trip to SF-DODS and the time of actual disposal. E-mail alerts for any disposal trip must be sent within 24 hours of the end of that trip to EPA Region 9, the San Francisco District USACE, the relevant National Marine Sanctuary if the event triggering the alert occurred within a Sanctuary boundary, and to other addressees as may be indicated by EPA or USACE on a project-specific basis.

8. A functioning back-up navigation system, meeting the minimum accuracy requirement listed above, must also be in place on the towing vessel (tug, if any). If the primary (disposal vessel's) navigation tracking system fails during transit, the disposal trip may continue only so long as the back-up (towing vessel's) navigation and tracking system remains operational, by placing the towing vessel in such a location that, given the compass heading and tow cable length to the scow ("lay back"), the estimated scow position would be within the surface disposal zone [i.e., within 1,960 feet (600 meters) of the center of the disposal site]. In such cases the towing vessel's position, and the tow cable length and compass heading to the disposal vessel, must be recorded and reported. Further disposal operations using a disposal vessel whose navigation tracking system fails must cease until those primary capabilities are restored.
9. In addition to the requirement in Special Condition 7, above, for posting data on the Web, the permittee shall maintain daily records (using the approved Scow Certification Checklist) of: the amount of material dredged and loaded into barges for disposal; the location from which the material in each barge was dredged; the weather report for and sea-state conditions anticipated during the transit period; the time that each disposal vessel departs for, arrives at and returns from the SF-DODS; the exact location and time of each disposal; and the volume of material disposed at the SF-DODS during each disposal trip. The permittee shall also maintain, for each ocean disposal trip, both electronic data and printouts from the GPS-based primary disposal tracking system (or the backup navigation tracking system when appropriate) showing transit routes, disposal vessel draft readings, disposal coordinates, and the time and position of the disposal vessel when dumping was commenced and completed. These daily records shall be compiled at a minimum for each month during which ocean disposal operations occur, and provided in reports, certified accurate by the independent quality control inspector, to both EPA and USACE. For each ocean disposal trip, these reports shall include the electronic tracking and disposal vessel draft data on CD-ROM (or other media approved by EPA and USACE), as well as hard copy reproductions of the Scow Certification Checklists and printouts listed above. The reports shall include a cover letter describing any problems complying with the Ocean Disposal Special Conditions, the cause(s) of the problems, any steps taken to rectify the problems, and whether the problems occurred on subsequent disposal trips.
10. An independent quality control inspector ("*Independent*" means not a direct employee of the permittee or dredging contractor) shall observe all dredging operations, and inspect each disposal vessel prior to its departure for SF-DODS. The inspector shall certify (along with the disposal vessel captain) whether the specifications on the approved Scow Certification Checklist have been met. The inspector shall promptly inform the permittee whether there are any inaccuracies or discrepancies concerning this information, and shall provide a summary for the calendar month in a report to EPA and USACE by the 15th day of the following month.
11. The permittee shall report any anticipated, potential, or actual variances from

compliance with the above Ocean Disposal Special Conditions, and any additional project-specific Special Conditions, to the District Engineer and the Regional Administrator within 24 hours of discovering such a situation. If any of these compliance problems occur within the boundaries of a National Marine Sanctuary, the permittee must also report any such situation to the relevant Sanctuary office within 24 hours. An operational "e-mail alert" system, as described in Special Condition 7 above, will be considered as fulfilling this 24-hour notification requirement. In addition, the permittee shall prepare and submit a report of any such compliance problems, certified accurate by the independent quality control inspector, on a weekly basis by noon Monday, to the District Engineer and the Regional Administrator.

12. Within 60 days following the completion of ocean disposal operations, the permittee shall submit to the District Engineer and Regional Administrator a completion letter summarizing the total number of disposal trips and the overall (bin and in-situ) volume of material disposed at SF-DODS for the project, and whether any of this dredged material was excavated from outside the areas authorized for ocean disposal or was dredged deeper than authorized by the permit.

Dec 20, 2008 11:28am dholmer K:\c:\jobs\060277-BAE\060277-01\06027701-001.dwg PERMIT VICINITY MAP



DA Permit Number: 400192S
BAE Systems, Drydock Facility
San Francisco Bay, California
Date: March 2008 Sheet 1 of 6

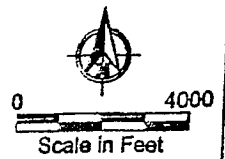
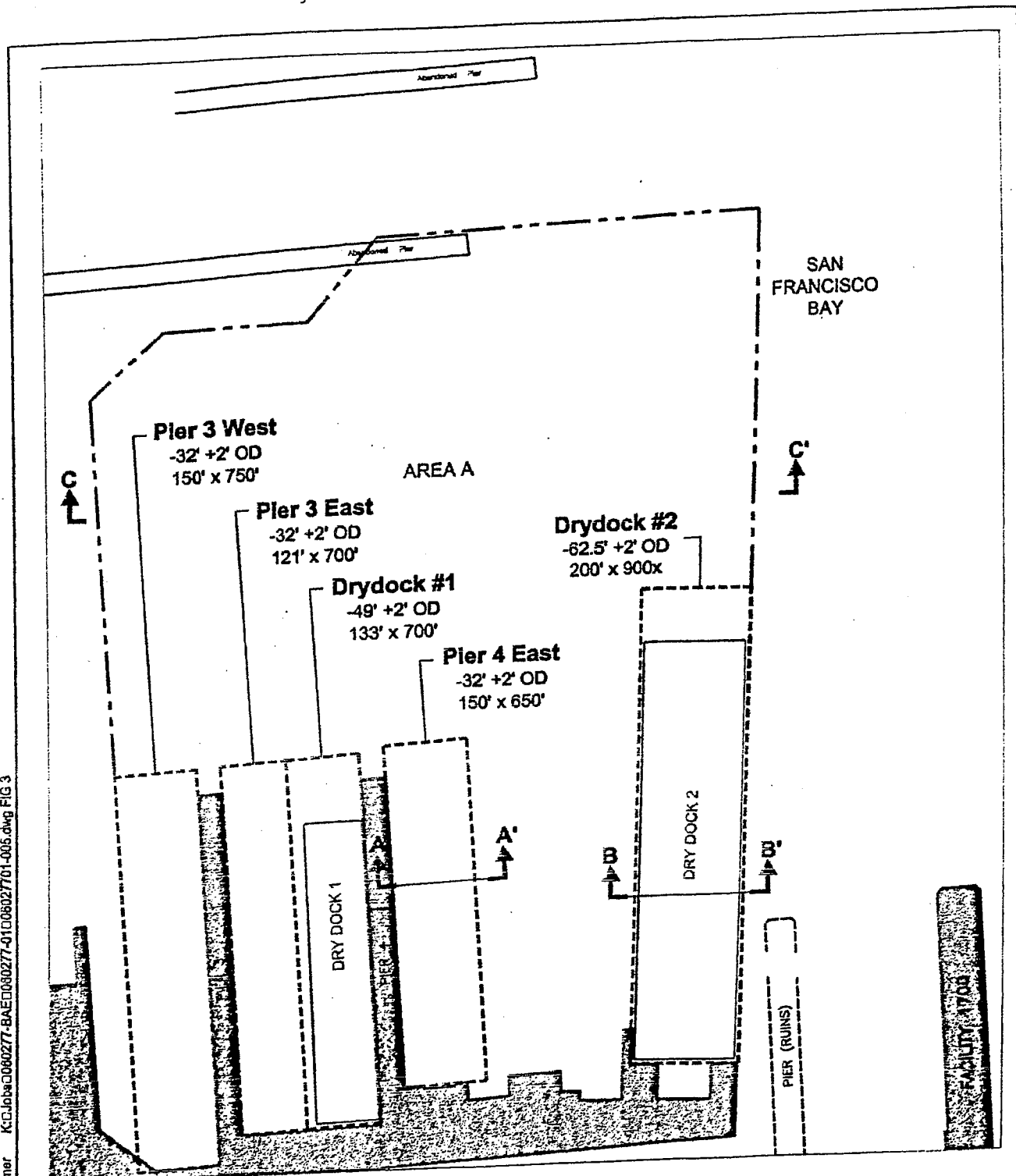


Figure 1
Vicinity Map
Drydocks 1 and 2
BAE Systems

Dec 20, 2008 11:05am dholmer K:\Jobs\080277-BAE\080277-01\080277-01-085.dwg FIG 3



Horizontal Datum: California State Plane, NAD-83, Zone3.
 Vertical Datum: Mean Lower Low Water (MLLW).

- Dredge Boundary
- _____ Permit Boundary
- ↑↑ AA' ↑↑ Cross Section Location and Designation

DA Permit Number: 4001925
 BAE Systems, Drydock Facility
 San Francisco Bay, California
 Date: March 2008 Sheet 3 of 6

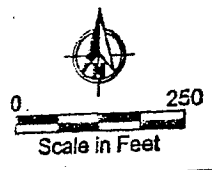
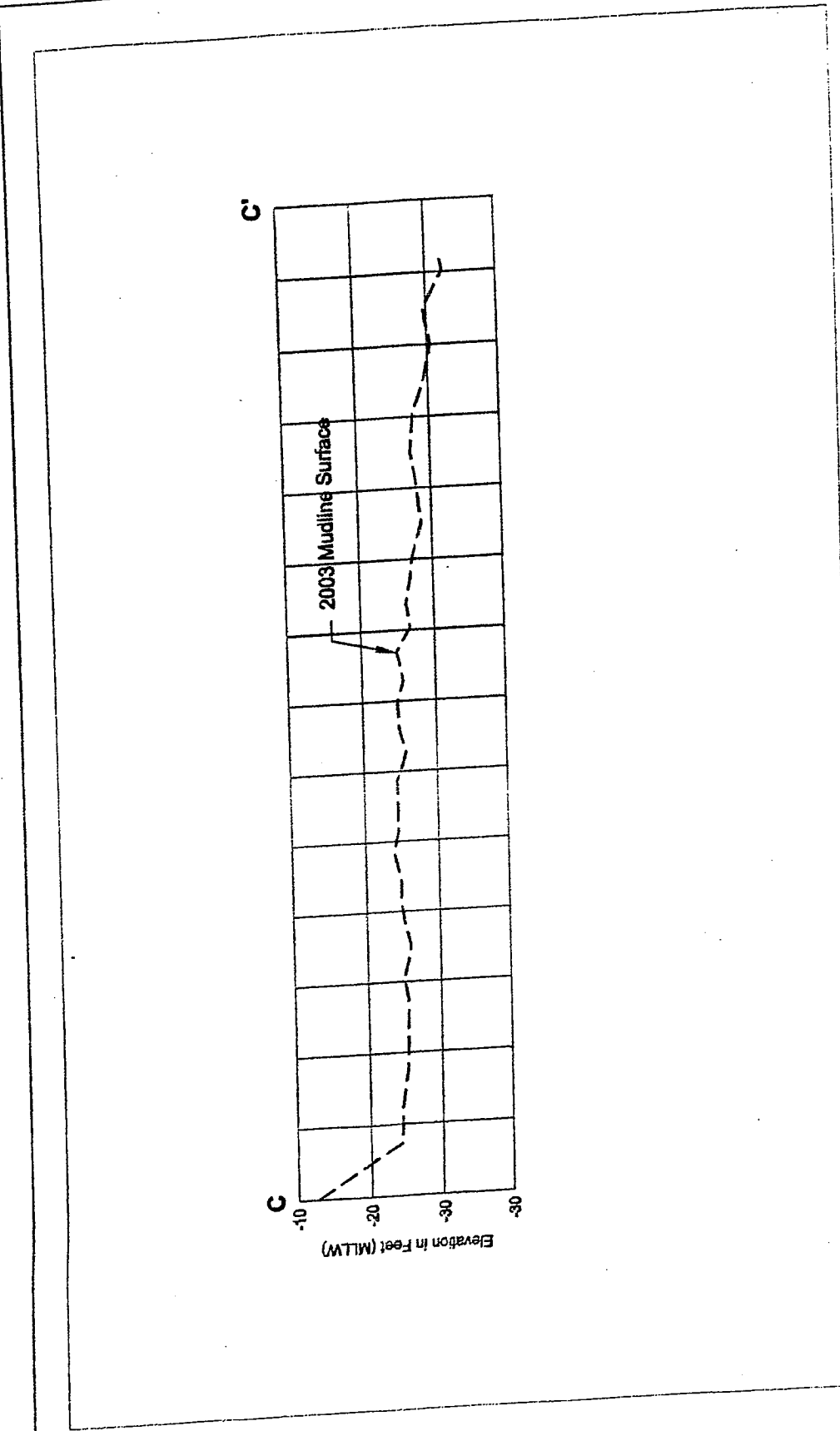


Figure 3
 Maintenance Berth Areas
 Drydocks 1 and 2
 BAE Systems





Horizontal Datum: California State Plane, NAD-83, Zone3.
Vertical Datum: Mean Lower Low Water (MLLW).

0 200
Horizontal Scale in Feet
Vertical Exaggeration 10X

DA Permit Number: 400192S
BAE Systems, Drydock Facility
San Francisco Bay, California
Date: March 2008 Sheet 5 of 6

Figure 5
Cross Section C-C'
Drydocks 1 and 2
BAE Systems





California Regional Water Quality Control Board

San Francisco Bay Region



Arnold Schwarzenegger
Governor

Linda S. Adams
Secretary for
Environmental Protection

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1515 Clay Street, Suite 1400, Oakland, California 94612
(510) 622-2300 • Fax (510) 622-2460
http://www.waterboards.ca.gov/sanfranciscobay
2007 MAR -7

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OFFICIAL USE ONLY

Date: March 5, 2007
File No. 2168.05 (EAC)

BAE Systems
Attn: Mr. Sean D. Riley
Foot of 20th Street
San Francisco, California 94107

SUBJECT: Water Quality Certification, Maintenance Dredging of Drydocks 1 and 2 and Berths 3 and 4 at BAE Systems, in San Francisco, San Francisco County, California

Dear Mr. Riley:

We have reviewed and hereby issue certification for your proposal to perform maintenance dredging at the BAE Systems facility (formerly known as the San Francisco Drydock) located adjacent to the Central Basin on the waterfront in the City and County of San Francisco. You have received a U.S. Army Corps of Engineers individual permit (File No. 28391S) pursuant to Section 404 of the Clean Water Act (33 U.S. Code 1344). Correspondingly, you have applied to the Water Board for a Clean Water Act Section 401 (33 U.S. Code 1341) water quality certification that the project will not violate State water quality standards.

Project

The project involves maintenance dredging of approximately 409,000 cubic yards (cy) of sediment over a 5-year period, to be completed by November 30, 2011. The project depths are -45 feet Mean Lower Low Water (MLLW), with a one-foot overdredge allowance in Drydock 1 (Pier 4 West), -62.5 feet MLLW plus two feet of overdredge allowance in Drydock 2, and -32 feet MLLW with two feet of overdredge in Berth 3 East, Berth 3 West, Berth 4 East, and Area A.

The initial dredging episode consists of removing approximately 67,000 cy of sediment from Drydock 1, with disposal of the dredged material at the Alcatraz Island Disposal Site (SF-11) in San Francisco Bay.

Disposal and/or Reuse of Dredged Material

BAE Systems will evaluate the feasibility of using a variety of dredged material disposal and/or reuse locations while this certification is in effect. The exact location for disposal or reuse of material from each individual dredging episode will be determined as part of the episode approval process, and will depend on several factors including cost, quantity of dredged material, physical, chemical, and biological characteristics of dredged material, the availability of various disposal or reuse locations, and any potential environmental impacts associated with the use of those locations.

7. Dredging and disposal activities shall be limited to the work windows set out by the California Department of Fish and Game, the National Marine Fisheries Service, and the U.S. Fish and Wildlife Service in their Biological Opinions on the LTMS, unless written authorization by the appropriate agencies to work outside these windows is provided to Water Board staff.
8. BAE Systems or its representative shall notify Water Board staff immediately by telephone whenever an adverse condition occurs as a result of this activity. An adverse condition includes, but is not limited to, a violation or threatened violation of conditions of this certification, or a significant spill of petroleum products or toxic chemicals. Pursuant to Section 13267 of the California Water Code, a written notification of adverse condition shall be submitted to the Water Board within 30 days of occurrence. The written notification shall identify the adverse condition, describe the action necessary to remedy the condition, and specify a timetable, subject to the modifications of the Water Board, for remedial actions.
9. This certification action is subject to modification or revocation upon administrative or judicial review, including review and amendment pursuant to Section 13330 of the CWC and Section 3867 of Title 23 of the California Code of Regulations (23 CCR).
10. This certification action is not intended and shall not be construed to apply to any discharge from any activity involving a hydroelectric facility requiring a Federal Energy Regulatory Commission (FERC) license or an amendment to a FERC license unless the pertinent certification application was filed pursuant to 23 CCR Subsection 3855(b) and that application specifically identified that a FERC license or amendment to a FERC license for a hydroelectric facility was being sought.
11. Certification is conditioned upon total payment of the full fee required in State regulations (23 CCR Section 3833) and owed by the applicant. The fee for this certification has been paid in full.

Regional Monitoring Program

Please be aware that Condition 5 is a requirement for a technical report pursuant to CWC Section 13267. Dischargers of waste materials to the Bay, including those who dispose of dredged material, are required to monitor the impacts of the discharge under Section 13267. This monitoring provides necessary information about ambient Bay water quality and potential long-term impacts of dredged material disposal. You may elect to participate in the San Francisco Estuary Regional Monitoring Program for Trace Substances (RMP) to fulfill this requirement or provide comparable data on an individual basis.

Since 1992, many Bay Area dischargers have decided to provide this information through the RMP, rather than through individual monitoring programs. The San Francisco Estuary Institute (SFEI), located in Oakland, California, administers the program with oversight by the Water Board. Dischargers may contribute money to the RMP, based on the RMP Dredger Fee Schedule Policy and any subsequent amendments, as approved by the RMP Steering Committee. The fees will be based on in-bay dredge disposal volumes calculated using post-dredge survey results provided to the Water Board and SFEI by the U.S. Army Corps of Engineers. If the post-dredge survey volumes for each fiscal year ending June 30 are not reported to the Water Board by September 1 of the next fiscal year (same calendar year), RMP dredger participants will be billed based on reported bin volumes, which may overestimate the volume actually dredged. The Water



DEPARTMENT OF THE ARMY
SAN FRANCISCO DISTRICT, CORPS OF ENGINEERS
1455 MARKET STREET
SAN FRANCISCO, CALIFORNIA 94103-1398

JUN 26 2008

Regulatory Division

SUBJECT: File Number 400192S, BAE Systems Drydock 2 Maintenance Dredging – Episode 1; DMMO Serial Number: 08-011

Mr. Hugh Vanderspek
BAE Systems
Foot of 20th Street
San Francisco, California 94107

Dear Mr. Vanderspek:

This refers to your June 5, 2008 submittal requesting approval of your dredge operation plan for maintenance dredging of approximately 120,000 cubic yards of material under drydock 2 to a depth of -57 feet mean lower low water (MLLW) plus a 1 foot overdepth allowance from under drydock 2 in BAE System's facility located in the City and County of San Francisco, California.

Your operation plan has been reviewed and approved. With this letter you are hereby authorized by the Corps of Engineers (Corps) to commence your maintenance dredging and subsequent disposal of the dredged material. Material dredged from above -55 feet MLLW will be disposed at the Alcatraz Island Disposal Site (SF-11) and material dredged from below -55 feet MLLW will be disposed of at the San Francisco Deep Ocean Disposal Site (SF- DODs) pursuant to Corps permit number 400192. **Dredging below -58 feet MLLW is not authorized during this episode.** All conditions of your permit remain valid. We want to remind you of the following conditions that apply prior to and during dredging operations:

1. During the initial episode of dredging under Drydock 2, BAE Systems shall:
 - a. test sediments exposed by dredging activities to determine polycyclic aromatic hydrocarbons (PAH) concentrations in newly exposed surface sediments,
 - b. not dredge deeper than -58 feet MLLW,
 - c. dispose of material dredged from above -55 feet MLLW at the Alcatraz Island Disposal Site (SF-11) and dispose of material dredged from below -55 feet at the San Francisco Deep Ocean Disposal Site (SF- DODs).
2. The permittee is responsible for obtaining a letter of water quality certification from the Regional Water Control Quality Board and authorization from the San Francisco Bay Conservation and Development Commission for this episode. The Corps' authorization is not valid until those two authorizations have been obtained. The permittee is not required to forward these authorizations to the Corps.

3. Submit weekly the disposal site verification and summary log (Enclosure 1). This can be faxed to the Dredged Material Management Office (DMMO) at (415) 503-6690 or e-mailed to dll-spn-dmimo@usace.army.mil. An electronic copy may be downloaded from the web at <http://www.spn.usace.army.mil/conops/forms/dsvsl.pdf>. This information is to be submitted to the DMMO on the Monday following the dredge activity.

4. All vessel tracking, record keeping, and reporting requirements as described in the "Generic Ocean Disposal Special Conditions for use of the San Francisco Deep Ocean Disposal Site (SFDODS)" (updated October 10, 2006; see Enclosure 2), shall be adhered to for **disposal of material at SF-DODS**.

5. Submit, on Monday of each week, the data disk from the electronic positioning data recorded from the previous week's work. This information should be addressed to DMMO at the above address.

6. The location of the disposal of the dredged material shall be in quadrants D, E, G, and F of SF-11. Rotate disposal between the quadrants at SF-11 and drop the load in the approximate center of each quadrant. A map of SF-11 quadrants and their coordinates is attached (Enclosure 3) for your reference.

When dredged material is discharged within the SF-DODs no portion of the vessel from which materials are to be released (e.g. hopper dredge or towed barge) may be further than 1,960 (600 meters) from the center of the disposal site at latitude 37°39' North; longitude 123°29' West.

7. You are limited to a total of approximately 920,000 cubic yards over the life of your permit. The proposed amount to be dredged for the initial episode is approximately 120,000 cubic yards. If it appears that you will exceed this amount, you must notify the Corps immediately at the above address and provide justification.

8. Overflow requirements:

a. During dredging operations, no overflow is allowed, with the exception of spills incidental to mechanical dredge operations.

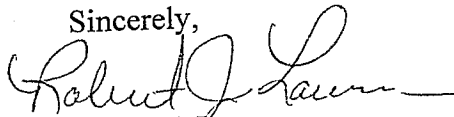
b. During transportation from dredging site to disposal site, no material shall be permitted to overflow, leak, or spill from barge, bins or dump scows.

9. The permittee or dredge contractor shall inform this office when: 1) a dredge episode actually commences; 2) dredging is suspended (suspension is when the dredge contractor leaves the dredge site for more than 48 hours for reasons other than equipment maintenance); 3) dredging is restarted and; 4) dredging is complete. Each notification shall include the Corps permit number and dredge episode number (see Enclosure 4). The information can be sent, to the attention of Debra O'Leary, in writing to the Corps of Engineers, Regulatory Division, at the above address; faxed to (415) 503-6690; by e-mail to debra.a.o'leary@usace.army.mil or via telephone message at (415) 503-6807.

10. Please note that there is an allowable timeframe to dredge to protect the habitat for threatened species and the species themselves per Section 7 of the Endangered Species Act of 1973, as amended (as stated in the June 6, 2001 letter from the Corps to the U.S. Fish and Wildlife Service with the U.S. Fish and Wildlife Service concurring on August 1, 2001). You proposed dredging only from June 1-November 30 to protect the habitat and species which is consistent with the above biological opinion. **Therefore, please be advised that you will have to complete your dredging or stop work by November 30, 2008.** If your work will exceed this timeframe, you must contact the Corps in order to initiate biological consultation with the U.S. Fish and Wildlife Service and/or NOAA Fisheries.

Please call Debra O'Leary at (415) 503-6807 or e-mail her at debra.a.o'leary@usace.army.mil. If you have any questions regarding this matter. If you wish to write, please address all correspondence to the Regulatory Division and **refer to the file number at the head of this letter and include the dredge episode number.**

Sincerely,



Robert J. Lawrence
Chief, Dredged Material Management Office
Operations and Readiness Division

Enclosures

Disposal Site Verification and Summary Log;
San Francisco Deep Ocean Disposal Site, SF-DODs;
Alcatraz Disposal Site, SF-11;
Project Status.

Copies Furnished: (w/o enclosures)

Weston Solutions, Oakland, CA (Scott Bodensteiner)
US EPA, San Francisco, CA, (Brian Ross)
US FWS, Sacramento, CA (Ryan Olah)
NMFS, Santa Rosa, CA (David Woodbury, Korie Schaeffer)
SFBRWQCB, Oakland, CA (Beth Christian)
CA DFG, Monterey, CA (George Isaac)
SFBCDC, San Francisco, CA (Brenda Goeden)

October 10, 2006

**EPA Standard Ocean Disposal Conditions for the
San Francisco Deep Ocean Disposal Site**

For enhanced clarity and understanding, the following updated Special Conditions combine and re-number many of the previously-published special conditions for SF-DODS. Note that the substantive provisions of EPA's 1999 rule (64 FR 141, pages 39927-39934), and EPA's most recent SMMP Implementation Manual for SF-DODS must be incorporated by reference as part of the project authorization/contract, except as the following specific provisions update them. Also note that the term "permit" as used here applies both to USACE ocean dumping permits issued under Section 103 of the MPRSA, and to contracts or other authorizations for USACE dredging projects.

Generic Ocean Disposal Special Conditions for use of the San Francisco Deep Ocean Disposal Site (SF-DODS)

(Update, includes modifications to Conditions 6, 7, 11, and 12)

1. Dredged material shall not be leaked or spilled from disposal vessels during transit to the SF-DODS. Transportation of dredged material to the SF-DODS shall only be allowed when weather and sea state conditions will not interfere with safe transportation and will not create risk of spillage, leak or other loss of dredged material in transit to the SF-DODS. No disposal vessel trips shall be initiated when the National Weather Service has issued a gale warning for local waters during the time period necessary to complete dumping operations, or when wave heights are 16 feet or greater. The permittee must consult the most current version of the SMMP Implementation Manual for additional restrictions and/or clarifications regarding other sea state parameters, including but not limited to wave period.
2. Vessels used for dredged material transportation and disposal must not be loaded beyond a level at which dredged material would be expected to be spilled in transit under anticipated sea state conditions, and in no case may disposal vessels be filled to more than 80 percent of the vessel's maximum bin or hopper volume. Before any disposal vessel departs for the SF-DODS, an independent quality control inspector ("*Independent*" means not a direct employee of the permittee or dredging contractor) must certify in writing that the vessel is not over-loaded, and otherwise meets the conditions and requirements of a Scow Certification Checklist that contains all of the substantive elements found in the example contained in the most current SMMP Implementation Manual. EPA and USACE must approve the permittees' proposed Scow Certification Checklist prior to the commencement of ocean disposal operations. No ocean disposal trip may be initiated until both the vessel captain and the independent inspector have signed all relevant entries on the Scow Certification Checklist.
3. Disposal vessels in transit to and from the SF-DODS must remain at least three nautical miles from the Farallon Islands whenever possible. Closer approaches should occur only where the designated vessel traffic lane enters the 3-mile limit. In

no case should disposal vessels leave the designated vessel traffic lane within the 3-mile limit, or transit north of a line extending westward from the termination of the designated vessel traffic lane while within the 3-mile limit.

4. Surface Disposal Zone: When dredged material is discharged within the SF-DODS, no portion of the vessel from which the materials are to be released (e.g. hopper dredge or towed barge) may be further than 1,960 feet (600 meters) from the center of the disposal site at latitude 37°39'N; longitude 123°29'W.
5. No more than one disposal vessel may be present within the SF-DODS Surface Disposal Zone at any time.
6. The primary tracking system for recording ocean disposal operations shall be disposal vessel- (e.g., scow-) based. Disposal vessels shall use an appropriate Global Positioning System (satellite) tracking system capable of indicating and recording the position of the disposal vessel with a minimum accuracy of ± 10 feet during all transportation and disposal operations. Draft and bin sensors must be positioned near both the forward and aft ends of the disposal vessel, and calibrated to accurately record vessel draft and load level within the bin, respectively. The primary disposal tracking system must indicate and record the position, draft, and load level within the bin of the disposal vessel throughout transit to the disposal site, during dumping and for at least one-half hour after disposal is complete, as well as indicate and record the time and location of the beginning and end of each disposal event. This primary disposal tracking system must indicate and automatically record the position, draft and load level within the bin of the disposal vessel at a maximum 5-minute interval while outside the SF-DODS disposal site boundary, and at a maximum 15-second interval while inside the SF-DODS disposal site boundary.
7. Data recorded from the primary disposal tracking system must be posted by a third party contractor on a near-real time basis to a World Wide Web (Internet) site accessible by EPA Region 9, the San Francisco District USACE, and NOAA's Gulf of the Farallones National Marine Sanctuary. The Web site must be searchable by disposal trip number and date, and at a minimum for each disposal trip it must provide a visual display of: the disposal vessel transit route to SF-DODS; the beginning and ending locations of the disposal event; and the disposal vessel draft and load level in the bin throughout the transit. The requirement for posting this information on the Web is independent from the hard-copy reporting requirements listed in Special Condition 9, below. The third-party system must also generate and distribute "e-mail alerts" regarding any degree of apparent dumping outside the Surface Disposal Zone of SF-DODS, and regarding any apparent substantial leakage/spillage or other loss of material en route to SF-DODS. Substantial leakage/spillage or other loss shall be defined as an apparent loss of draft of one foot or more between the time that the disposal vessel begins the trip to SF-DODS and the time of actual disposal. E-mail alerts for any disposal trip must be sent within 24 hours of the end of that trip to EPA Region 9, the San Francisco District USACE, the relevant National Marine Sanctuary if the event triggering the alert occurred within a Sanctuary boundary, and to other addressees as may be indicated by EPA or USACE on a project-specific basis.

8. A functioning back-up navigation system, meeting the minimum accuracy requirement listed above, must also be in place on the towing vessel (tug, if any). If the primary (disposal vessel's) navigation tracking system fails during transit, the disposal trip may continue only so long as the back-up (towing vessel's) navigation and tracking system remains operational, by placing the towing vessel in such a location that, given the compass heading and tow cable length to the scow ("lay back"), the estimated scow position would be within the surface disposal zone [i.e., within 1,960 feet (600 meters) of the center of the disposal site]. In such cases the towing vessel's position, and the tow cable length and compass heading to the disposal vessel, must be recorded and reported. Further disposal operations using a disposal vessel whose navigation tracking system fails must cease until those primary capabilities are restored.
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11. The permittee shall report any anticipated, potential, or actual variances from

compliance with the above Ocean Disposal Special Conditions, and any additional project-specific Special Conditions, to the District Engineer and the Regional Administrator within 24 hours of discovering such a situation. If any of these compliance problems occur within the boundaries of a National Marine Sanctuary, the permittee must also report any such situation to the relevant Sanctuary office within 24 hours. An operational "e-mail alert" system, as described in Special Condition 7 above, will be considered as fulfilling this 24-hour notification requirement. In addition, the permittee shall prepare and submit a report of any such compliance problems, certified accurate by the independent quality control inspector, on a weekly basis by noon Monday, to the District Engineer and the Regional Administrator.

12. Within 60 days following the completion of ocean disposal operations, the permittee shall submit to the District Engineer and Regional Administrator a completion letter summarizing the total number of disposal trips and the overall (bin and in-situ) volume of material disposed at SF-DODS for the project, and whether any of this dredged material was excavated from outside the areas authorized for ocean disposal or was dredged deeper than authorized by the permit.

PROJECT STATUS

Please use the forms below to report the dates when you start and finish the work authorized by the enclosed permit. Also if you suspend work for an extended period of time, use the forms below to report the dates you suspended and resumed work. The second copy is provided for your records. If you find that you cannot complete the work within the time granted by the permit, please apply for a time extension at least one month before your permit expires. If you materially change the plan or scope of the work, it will be necessary for you to submit new drawings and a request for a modification of your permit.

(cut as needed) -----

Date: _____

NOTICE OF COMPLETION OF WORK under Department of the Army Permit No. 400192S BAE Systems Maintenance Dredging – Episode 1

TO: District Engineer, US Army Corps of Engineers, Regulatory Branch, 1455 Market Street, 16th Floor, San Francisco, CA 94103-1398
In compliance with the conditions of Permit No. 400192S, this is to notify you that work was completed on _____.

Permittee: BAE Systems
Address: BAE Systems, Foot of 20th Street, San Francisco, California 94107

(cut as needed) -----

Date: _____

NOTICE OF RESUMPTION OF WORK under Department of the Army Permit No. 400192S BAE Systems Maintenance Dredging – Episode 1

TO: District Engineer, US Army Corps of Engineers, Regulatory Branch, 1455 Market Street, 16th Floor, San Francisco, CA 94103-1398

In compliance with the conditions of Permit No. 400192S, this is to notify you that work was resumed on _____.

Permittee: BAE Systems
Address: BAE Systems, Foot of 20th Street, San Francisco, California 94107

(cut as needed) -----

Date: _____

NOTICE OF SUSPENSION OF WORK under Department of the Army Permit No. 400192S BAE Systems Maintenance Dredging – Episode 1

TO: District Engineer, US Army Corps of Engineers, Regulatory Branch, 1455 Market Street, 16th Floor, San Francisco, CA 94103-1398

In compliance with the conditions of Permit No. 400192S, this is to notify you that work was suspended on _____.

Permittee: BAE Systems
Address: BAE Systems, Foot of 20th Street, San Francisco, California 94107

(cut as needed) -----

Date: _____

NOTICE OF COMMENCEMENT OF WORK under Department of the Army Permit No. 28391S BAE Maintenance Dredging – Episode 1

TO: District Engineer, US Army Corps of Engineers, Regulatory Branch, 1455 Market Street, 16th Floor, San Francisco, CA 94103-1398

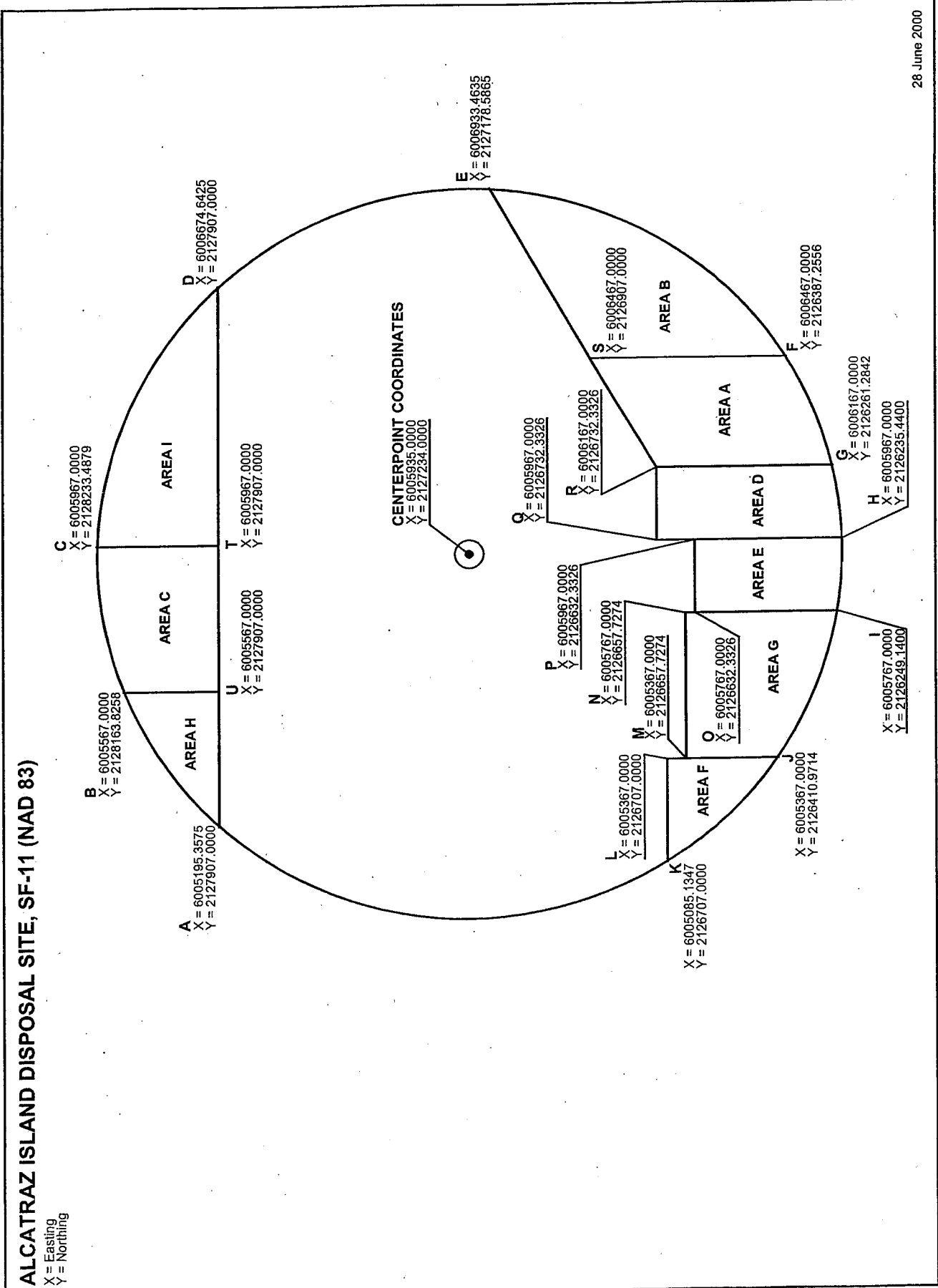
In compliance with the conditions of Permit No. 400192S, this is to notify you that work commenced on _____.

Permittee: BAE System
Address: BAE Systems, Foot of 20th Street, San Francisco, California 94107

ALCATRAZ ISLAND DISPOSAL SITE, SF-11 (NAD 83)

X = Easting
Y = Northing

NORTH



WEST

SOUTH

PROJECT STATUS

Please use the forms below to report the dates when you start and finish the work authorized by the enclosed permit. Also if you suspend work for an extended period of time, use the forms below to report the dates you suspended and resumed work. The second copy is provided for your records. If you find that you cannot complete the work within the time granted by the permit, please apply for a time extension at least one month before your permit expires. If you materially change the plan or scope of the work, it will be necessary for you to submit new drawings and a request for a modification of your permit.

(cut as needed) -----

Date: _____

NOTICE OF COMPLETION OF WORK under Department of the Army Permit No. 400192S BAE Systems Maintenance Dredging – Episode 1

TO: District Engineer, US Army Corps of Engineers, Regulatory Branch, 1455 Market Street, 16th Floor, San Francisco, CA 94103-1398
In compliance with the conditions of Permit No. 400192S, this is to notify you that work was completed on _____.

Permittee: BAE Systems
Address: BAE Systems, Foot of 20th Street, San Francisco, California 94107

(cut as needed) -----

Date: _____

NOTICE OF RESUMPTION OF WORK under Department of the Army Permit No. 400192S BAE Systems Maintenance Dredging – Episode 1

TO: District Engineer, US Army Corps of Engineers, Regulatory Branch, 1455 Market Street, 16th Floor, San Francisco, CA 94103-1398

In compliance with the conditions of Permit No. 400192S, this is to notify you that work was resumed on _____.

Permittee: BAE Systems
Address: BAE Systems, Foot of 20th Street, San Francisco, California 94107

(cut as needed) -----

Date: _____

NOTICE OF SUSPENSION OF WORK under Department of the Army Permit No. 400192S BAE Systems Maintenance Dredging – Episode 1

TO: District Engineer, US Army Corps of Engineers, Regulatory Branch, 1455 Market Street, 16th Floor, San Francisco, CA 94103-1398

In compliance with the conditions of Permit No. 400192S, this is to notify you that work was suspended on _____.

Permittee: BAE Systems
Address: BAE Systems, Foot of 20th Street, San Francisco, California 94107

(cut as needed) -----

Date: _____

NOTICE OF COMMENCEMENT OF WORK under Department of the Army Permit No. 28391S BAE Maintenance Dredging – Episode 1

TO: District Engineer, US Army Corps of Engineers, Regulatory Branch, 1455 Market Street, 16th Floor, San Francisco, CA 94103-1398

In compliance with the conditions of Permit No. 400192S, this is to notify you that work commenced on _____.

Permittee: BAE System
Address: BAE Systems, Foot of 20th Street, San Francisco, California 94107