

5090
Ser 1813EG/L3218
9 Mar 1993

California Environmental Protection Agency
Department of Toxic Substances Control, Region 2
Attn: Mr. Tom Lanphar
700 Heinz Avenue, Suite 200
Berkeley, CA 94710

Subj: REMEDIAL INVESTIGATION/FEASIBILITY STUDY FOR NAVAL STATION
TREASURE ISLAND, SAN FRANCISCO

Dear Mr. Lanphar:

DTSC has requested that the Navy provide a copy of the database files which contain analytical results from the Naval Station Treasure Island remedial investigation/feasibility study (RI/FS). The Navy database was created using the commercially available software FoxPro. DTSC uses a similar database software, dBase. In fact, the database files created with FoxPro (with a .DBF extension) are readable by dBase. If the Navy provided DTSC with the current database files, dBase would be able to determine the structure of the database fields and manipulate the data for DTSC's purposes. The Navy would also provide a listing describing the meaning of each database field.

However, there is one potential problem with the Navy supplying the database to DTSC. If DTSC has already written a customized program to manipulate data, they have also defined a database structure. The database structure provided by the Navy would probably be incompatible with DTSC's database structure. A conversion program would have to be written to convert Navy's structure to DTSC's structure. This would require a few hours of programming work. It should be noted that each analysis has its own, slightly different, database structure defined, and a conversion program would have to be written for each analysis.

At the February 10, 1993 meeting, DTSC provided the Navy with a description of the database structure used by James M. Montgomery (JMM) at the Concord Naval Weapons Station. The Navy database contains much of the same information. A comparison between the database structures is presented in the attached table. For information that is not stored in Navy's database, hard copy would be provided.

Should you require further information regarding this matter, please contact Mr. Ernesto M. Galang, Code 1813EG, at (415) 244-2560.

original signed by:

GILBERT A. RIVERA
Head, Installation Restoration Section

Attachment: Comparison of Navy and JMM Database Structures

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Copy to:

California Regional Water Quality Control Board (Attn: Barbara Smith)
California Department of Fish and Game (Attn: Mike Rugg)
US Environmental Protection Agency, Region IX (Attn: Julie Anderson)
US Fish & Wildlife Services (Attn: Steve Schwartzbach)
US Army Corps of Engineers (Attn: Sharon Moreland)
Bay Area Air Quality Management District (Attn: Brian Jennison)
Bay Conservation and Development Commission (Attn: Chris Perry)
National Oceanic & Atmospheric Administration (Attn: Denise Klimas)
NAVSTA Treasure Island (Attn: Jim Sullivan)
COMNAVBASE San Francisco (Attn: Randy Friedman)
PRC Environmental Management, Inc. (Attn: Emily Pimentel)

Blind copy to:

Team 2, 1813, 1813EG
Admin Records (3 copies)
Chron, blue, pink, green
Writer: E. Galang, 1813EG, X-2560
File: NS, Treasure Island

COMPARISON OF PRC AND JMM DATABASE STRUCTURES
NAVAL STATION TREASURE ISLAND RI/FS
Sheet 1 of 2

JMM Field	JMM Field Name	Available in PRC Database?	Available from PRC as Hardcopy?	PRC Field Name	PRC Description/Comments
1	JMMID	Yes	--	PRCSAMID	Sample ID assigned by PRC (see sample numbering scheme in sampling plan)
2	SAMPID	Yes	--	PRCSAMAL	Records supplementary information about the sample such as: MS=Matrix Spike MSD=Matrix Spike Duplicate FD=Field Duplicate DL=Diluted sample analysis RE=Reanalysis LCSS/LCSW=Laboratory Control Samples EB=Equipment Blank TB=Trip Blank EBS/EBW=Extraction Laboratory Blank VBS/VBW=Volatile Laboratory Blank RESAMPLED (Semi-volatile samples)
3	NoORTH	No	Yes	--	Survey data for boring and well locations were not based on North and East State Plane coordinates and are not stored in the database
4	EAST	No	Yes	--	
5	ELEV	No	Yes	--	Sample elevations are not stored in the database
6	SAMPDATE	No	Yes	--	The date of sample collection is not stored in the database
7	SAMPTIME	No	Yes	--	The time of sample collection is not stored in the database
8	DEPTH	No	Yes	--	Sample depths are not stored in the database
9	SAMPBAT	Yes	--	CASENO	Sample delivery group number
10	MATRIX	Yes	--	MATRIX	Sample matrix
11	LABNO	Yes	--	LABSAMID	Internal laboratory sample number
12	LABID	Yes	--	LABNAME	Name of laboratory performing the analysis
13	PREPDATE	Yes	--	DATEEXT	Sample preparation/extraction date
14	ANALDATE	Yes	--	DATEANL	Sample analysis date
15	ANALTIME	No	No	--	The analysis time is only located in the sample data package
16	MBLANKNO	No	No	--	The method blank association is only located in the sample data package
17	ANALGROUP	Yes	--	See comment	PRC specifies the analysis type in the database file name in the last 2 characters: AA for volatile organics BA for semivolatile organics DA for pesticides/PCB IA for metals TE for TPH extractables TP for TPH purgeables

COMPARISON OF PRC AND JMM DATABASE STRUCTURES
NAVAL STATION TREASURE ISLAND RI/FS
 Sheet 2 of 2

JMM Field	JMM - Field Name	Available in PRC Database?	Available from PRC as Hardcopy?	PRC Field Name	PRC Description/Comments
18	RESTYPE	No	No	--	Information concerning result (or sample) type is contained in the PRCSAMAL field
19	CASNO	Yes	--	CASNO	Chemical Abstract Service (CAS) Registry number
20	RESULT	Yes	--	CRESULT	Result (detection limit or concentration)
21	QUAL	Yes	--	QUAL	Qualifier codes for organics: J, UJ, R, UR
				or CONCFLAG	The inorganic qualifier codes are split between CONCFLAG (U, if applicable) and QUAL (J or R)
22	SIG2ERR	No	No	--	Applies only to radiation data, and none was collected at Treasure Island
23	UNITS	Yes	--	CONUNIT	Concentration units or unit of measure
24	RETTIME	No	Yes	--	No TIC data are retained in the database
25	PARMNAME	Yes	--	COMPNAME	Parameter or compound name
26	INSTRDL	No	No	--	Sample quantitation limits are only listed for non-detected sample results in the CRESULT field
27	METHODDL	No	No	--	Sample quantitation limits are only listed for non-detected sample results in the CRESULT field
28	DILFACT	Yes	--	CDILFACT	Dilution Factor
29	ANALYMETH	Yes	--	See comment for ANALGROUP field	
30	RCVDDATE	Yes	--	DATEREC	Date sample received at the lab
31	MOISTURE	Yes	--	CPCTMOIST	Moisture content in percent for soil samples only