

N60478.AR.001468
NWS EARLE
5090.3a

LETTER NOTING THAT POTABLE WATER SAMPLING ANALYSIS FROM BUILDING S-35
DOES NOT INDICATE DETECTABLE LEVELS OF VOLATILE ORGANIC COMPOUNDS WITH
ATTACHMENT NWS EARLE NJ

10/23/1987

STATE OF NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION



State of New Jersey
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF HAZARDOUS WASTE MANAGEMENT

John J. Trela, Ph.D., Director
401 East State St.
CN 028
Trenton, N.J. 08625
609 - 633 - 1408

22 OCT 1987

Ms. Alida Karas
USEPA - Region II
Room 747
26 Federal Plaza
New York, NY 10278

SUBJECT: Well Sampling at Earle Naval Weapons Station Bldg. S-35

The potable water in building S-35 at Earle Naval Weapons Station was sampled by NJDEP on 9-3-1987. The analytical results do not indicate detectable levels of volatile organic compounds.

Attached is a copy of the water analyses report.

If you have any questions please contact me at (609) 633-0701.

Sincerely,
Dhruva G. Kanjarpane, P.E.
Dhruva G. Kanjarpane, P.E.
Case Manager
Bureau of Case Management

Enclosure
DGK/ch

cc: Karen Jentis, BCM
James Schnitzer, BEERA
John Montgomery, BGWPA
Charles Viviani, BSDW

Let's protect our earth



State of New Jersey
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER RESOURCES
CN 029
TRENTON, NEW JERSEY 08625

GEORGE G. McCANN, P.E.
DIRECTOR

DIRK C. HOFMAN, P.E.
DEPUTY DIRECTOR

October 5, 1987

Drew Kanjarpane
Division of Waste Management
Bureau of Case Management

Re: Non Public Well Sampling
Naval Weapons Station, Earle
Colts Neck Township, Monmouth County

Dear Drew:

As per your recent request, attached please find analytical results from the BSDW sampling of the Ordnance Carpenter Shop Well on 9-3-87. The results indicate no detectable levels of volatile organic compounds.

If you have any questions concerning this matter, contact me at (609) 292-5550.

Very truly yours,

Charles Viviani
Project Developer Specialist II
Bureau of Safe Drinking Water

CV:el



DEPARTMENT OF THE NAVY

NAVAL WEAPONS STATION EARLE
COLTS NECK, NEW JERSEY 07722-5000

IN REPLY REFER TO

0922

Department of Environmental Protection
Bureau of Safe Drinking Water
CN029 Trenton, NJ 08625
Attn: Mr. C. Viviani

Gentlemen:

In response to your question concerning the number of full time personnel assigned to the Ordnance Carpenter Building S-35, the answer is twelve (12).

The well at this location, therefore, services up to twelve people for their consumption and other personal needs.

I trust this information satisfies your needs. If additional information should be required, William Matthaey is point of contact at 577-2146.

Sincerely,

A handwritten signature in cursive script, appearing to read "J. Tubello", is written over the typed name.

J. TUBELLO
Lieutenant Commander, U.S. Navy
Public Works Officer

RECEIVED

JUN 5 1987

N.J. STATE DEPT. OF
ENVIRONMENTAL PROTECTION
BUREAU OF SAFE DRINKING WATER



State of New Jersey
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF HAZARDOUS WASTE MANAGEMENT

John J. Trela, Ph.D., Acting Director
401 East State St.
CN 028

Trenton, N.J. 08625
609 - 633 - 1408

M E M O R A N D U M

JUN 5 1987

TO: BARKER HAMILL, CHIEF
BUREAU OF SAFE DRINKING WATER

FROM: STEPHEN A. BORGIANINI, CHIEF *SAB*
BUREAU OF PLANNING AND ASSESSMENT

SUBJECT: NAVAL WEAPONS STATION EARLE

On May 13 and May 14, 1987 a visual site inspection was conducted at the Naval Weapons Station Earle located in Colts Neck, New Jersey. One area which was investigated was an Ordnance Carpenter Shop located on the Main Base. As indicated in a 1983 report by Fred C. Hart Associates to the United States Navy, this building is supplied with potable water from a well which is eighty feet deep. This report indicated that building personnel complained of a vinegar taste and a foul smell from the water.

A water sample was taken from an inside tap at the building into a laboratory sealed bottle. The sample was agitated and a reading was taken on the headspace utilizing an Organic Vapor Analyzer (OVA) with the spans set at three. While in the survey mode, an initial reading of 8.5 parts per million as methane was recorded. The sample was then injected into the gas chromatography mode of the OVA. After the initial methane peak, three distinct peaks were observed.

A referral has been made to Joel Golumbek, Chief NJ/Caribbean Hazardous Waste Compliance Section of the EPA to arrange for sampling at this potable water supply. If you have any questions, please contact Clare Sullivan of my staff at 633-2218.

CS:mz

c: Brian Kuhn, Bureau of Safe Drinking Water

NEW JERSEY STATE DEPARTMENT OF HEALTH
DIVISION OF PUBLIC HEALTH AND ENVIRONMENTAL LABORATORIES

SAMPLE RESULTS AND SURROGATE RECOVERIES
VOLATILE ORGANICS (GC/MS) EPA METHOD 624

GC/MS IDENTIFICATION # M00101 LAB SAMPLE NUMBER TB48963
DATE/TIME OF ANALYSIS
DATE 9-10-87 TIME 12:42

TARGET COMPOUND	CONC. ug/L	MDL ug/L	TARGET COMPOUND	CONC. ug/L	MDL ug/L
BENZENE	ND	2.0	1,1-DICHLOROETHENE	ND	2.0
BROMODICHLOROMETHANE	ND	2.0	trans-1,2-DICHLOROETHENE	ND	2.0
BROMOFORM	ND	2.0	1,2-DICHLOROPROPANE	ND	2.0
BROMOMETHANE	ND	2.0	cis-1,3-DICHLOROPROPENE	ND	2.0
CARBON TETRACHLORIDE	ND	2.0	trans-1,3-DICHLOROPROPENE	ND	2.0
CHLOROBENZENE	ND	2.0	ETHYLBENZENE	ND	2.0
CHLOROETHANE	ND	2.0	METHYLENE CHLORIDE	ND	2.0
2-CHLOROETHYL VINYLETHER	ND	2.0	1,1,2,2-TERTACHLOROETHANE	ND	2.0
CHLOROFORM	ND	2.0	TETRACHLOROETHENE	ND	2.0
CHLOROMETHANE	ND	2.0	TOLUENE	ND	2.0
DIBROMOCHLOROMETHANE	ND	2.0	1,1,1-TRICHLOROETHANE	ND	2.0
1,2-DICHLOROETHANE	ND	2.0	1,1,2-TRICHLOROETHANE	ND	2.0
1,3-DICHLOROETHANE	ND	2.0	TRICHLOROETHENE	ND	2.0
1,4-DICHLOROETHANE	ND	2.0	TRICHLOROFLUOROMETHANE	ND	2.0
1,1-DICHLOROETHANE	ND	2.0	VINYL CHLORIDE	ND	2.0
1,2-DICHLOROETHANE	ND	2.0			

COMMENTS: MATRIX SPIKE RECOVERY FOR CHLOROFORM LOW ON SPIKE #1.

REPORT SUBMITTED

SEP 18 1987

NJDOH ENVIRONMENTAL
CHEMISTRY LABORATORY

SURROGATE RECOVERIES

SURROGATE COMPOUND	CONC ADDED ug/L	PERCENT RECOVERY	QC LIMITS	
			LOWER	UPPER
1,2-DICHLOROETHANE (D4)	31.2	95.4	70	130
TOLUENE (D8)	31.7	106	70	130
4-BROMOFLUOROBENZENE	31.3	110	70	130

ANALYST L. APPEL SIGNATURE *L. Appel* DATE 9-14-87
SUPERVISOR J.R. TREXLER SIGNATURE *J. Trexler* DATE 9-14-87

NEW JERSEY STATE DEPARTMENT OF HEALTH
DIVISION OF PUBLIC HEALTH AND ENVIRONMENTAL LABORATORIES

SAMPLE RESULTS AND SURROGATE RECOVERIES
VOLATILE ORGANICS (GC/MS) EPA METHOD 624

GC/MS IDENTIFICATION # M00101 LAB SAMPLE NUMBER 47536
DATE/TIME OF ANALYSIS
DATE 9-10-87 TIME 16:02

TARGET COMPOUND	CONC. ug/L	MDL ug/L	TARGET COMPOUND	CONC. ug/L	MDL ug/L
BENZENE	ND	2.0	1,1-DICHLOROETHENE	ND	2.0
BROMODICHLOROMETHANE	ND	2.0	trans-1,2-DICHLOROETHENE	ND	2.0
BROMOFORM	ND	2.0	1,2-DICHLOROPROPANE	ND	2.0
BROMOMETHANE	ND	2.0	cis-1,3-DICHLOROPROPENE	ND	2.0
CARBON TETRACHLORIDE	ND	2.0	trans-1,3-DICHLOROPROPENE	ND	2.0
CHLOROBENZENE	ND	2.0	ETHYLBENZENE	ND	2.0
CHLOROETHANE	ND	2.0	METHYLENE CHLORIDE	ND	2.0
2-CHLOROETHYL VINYLETHER	ND	2.0	1,1,2,2-TERTACHLOROETHANE	ND	2.0
CHLOROFORM	ND	2.0	TETRACHLOROETHENE	ND	2.0
CHLOROMETHANE	ND	2.0	TOLUENE	ND	2.0
DIBROMOCHLOROMETHANE	ND	2.0	1,1,1-TRICHLOROETHANE	ND	2.0
1,2-DICHLOROETHANE	ND	2.0	1,1,2-TRICHLOROETHANE	ND	2.0
1,3-DICHLOROETHANE	ND	2.0	TRICHLOROETHENE	ND	2.0
1,4-DICHLOROETHANE	ND	2.0	TRICHLOROFLUOROMETHANE	ND	2.0
1,1-DICHLOROETHANE	ND	2.0	VINYL CHLORIDE	ND	2.0
1,2-DICHLOROETHANE	ND	2.0			

COMMENTS: MATRIX SPIKE RECOVERY FOR CHLOROFORM LOW ON SPIKE #1.

PLEASE NOTE: THIS SAMPLE WAS RECEIVED IN AN IMPROPERLY
LABELED SET OF SAMPLE VIALS.

REPORT SUBMITTED

SEP 18 1987

NJDOH ENVIRONMENTAL
CHEMISTRY LABORATORY

SURROGATE RECOVERIES

SURROGATE COMPOUND	CONC ADDED		PERCENT RECOVERY	QC LIMITS	
	ug/L			LOWER	UPPER
1,2-DICHLOROETHANE (D4)	31.2	1	92.5	70	130
TOLUENE (D8)	31.7	1	107	70	130
4-BROMOFLUOROBENZENE	31.3	1	112	70	130

ANALYST L. APPEL SIGNATURE

DATE 9-14-87

SUPERVISOR J.R. TREXLER SIGNATURE

DATE 9-14-87