FILE FOLDER

DESCRIPTION ON TAB:

Problem: Gas Chamber's

Well

☒ **Outside/inside of actual folder did not contain hand written information**

☐ **Outside/inside of actual folder did contain hand written information**
***Scanned as next image**

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New Bern, NC
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OPNAV 5216/144A (Rev. 8-81)
S/N 0107-LF-052-2320

DEPARTMENT OF THE NAVY

Memorandum

DATE: 21 November 1983

FROM: Supervisory Chemist, Water Quality Control Lab, Environmental Branch

TO: Supervisory Ecologist, Envirnmmental Branch

SUBJ: Gas Chamber's Water Well Analysis

Encl: Subject Analysis

1. No organicx or metals were detected. The pH is in acceptable range. The sodium concentration Waswell below the aaggpsted limit. The Langelier Index shows the water to be very slightly corrosive, which is also indicated by the relatively low pH. Thisanalysis shows that the water is acceptable for potable purposeOne additional analysis we can do is the iron content. If the well is to be considered a community source, then iron can't exceed 0.30 ppm. If it does, a filter would have to be added to the wekl.

Elizabeth A. Betz
Supervisory Chemist

GRAINGER LABORATORIES

INCORPORATED

ANALYTICAL AND CONSULTING CHEMISTS

709 West Johnson Street • Raleigh, North Carolina 27603

(919) 828-3360

ANALYTICAL LABORATORY

Environment Analysis
Construction Materials
Identification of Unknowns
Agriculture
Fuels
Textiles
Chemicals
Hazardous Waste

CONSULTATION

Metallurgical Services
Pollution Abatement
Process Development
Quality Control
Methods Development
Special Investigation
Pesticides
RCRA

October 24, 1983
83-09-021

Quality Control Lab, NREAD
Facilities, MCB
Camp Lejeune, NC 28542

Attention: Ms. Elizabeth Betz

Subject: Analyses of Samples Received 9/20/83

Sample Identification: Purchase Order M93107-3215-2109
1. Well Water

RESULTS

Endrin, mg/l	<0.00007
Lindane, mg/l	<0.00002
Methoxychlor, mg/l	<0.0004
Toxaphene, mg/l	<0.0005
2, 4-D, mg/l	<0.008
2, 4, 5-TP (Silvex), mg/l	<0.002
Arsenic, total as As, mg/l	<0.025
Barium, total as Ba, mg/l	<0.025
Cadmium, total as Cd, mg/l	<0.001
Chromium, total as Cr, mg/l	<0.001
Mercury, total as Hg, mg/l	<0.002
Selenium, total as Se, mg/l	<0.025
Silver, total as Ag, mg/l	<0.004
Lead, total as Pb, mg/l	<0.004
pH	7.2
Sodium, total as Na, mg/l	8.0
Calcium, total as Ca, mg/l	177
Total Dissolved Solids, mg/l	240
Alkalinity, as $CaCO_3$, mg/l	178
Langelier Index	-0.1

W. Paul Brafford
W. Paul Brafford
General Laboratory Manager

WPB/at
Customer #92400

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S/N 0107-LF-052-2320

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Memorandum

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Encl: Subject Analysis

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Elizabeth A. Betz
Supervisory Chemist

21 NOV 83,

Betsy, Go ahead and run the iron tests. Unless that shows over 0.30 ppm, we will recommend that the source appears suitable for potable water supply. Donny

GRAINGER LABORATORIES

INCORPORATED

ANALYTICAL AND CONSULTING CHEMISTS

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W. Paul Brafford
W. Paul Brafford
General Laboratory Manager

WPB/at
Customer #92400

CHEMICAL ANALYSIS — WATER TREATMENT PLANTS

MCBCL 11330/3 (REV. 3-82)

DATE COLLECTED: 6 DEC 1983

PARAMETER	HADNOT POINT	MONTFORD POINT	TARAWA TERRACE	ONSLOW BEACH	COURTHOUSE BAY	RIFLE RANGE	HOLCOMB BLVD	NEW RIVER	BLDG 934
PH									7.3
PENOLTHALEIN ALKALINITY									
METHYL ORANGE ALKALINITY									
CARBONATES AS $CaCO_3$									
BICARBONATES AS $CaCO_3$									
CHLORIDES AS C1									
HARDNESS AS $CaCO_3$									
IRON AS Fe									1.03
FLUORIDE									
CHLORINE RESIDUAL									
TURBIDITY									
TOTAL PHOSPHATE									
ORTHO PHOSPHATE									
META PHOSPHATE									
STABILITY									

REMARKS

NOTE: All results reported in parts per million unless otherwise noted except for pH, temperature, and specific conductance. One liter of potable water is assumed to weigh one kilogram.

LABORATORY ANALYSIS BY: MONAHAN + BURNS

DATE OF ANALYSIS: 6 DEC 1983

QUALITY CONTROL LABORATORY REPORT

MISCELLANEOUS BACTERIOLOGICAL ANALYSIS OF WATER

MCBCL 11330/8 (REV. 4/78)

WATER TYPE	SAMPLE COLLECTED BY	DATE COLLECTED
Potable	Betz	6 DEC 83

LOCATION	MARKED	COLIFORM	
		TOTAL	FECAL
Bld 934	1330	Ø	

REMARKS

SIGNATURE Laura B. Hungerford

DATE 7 DEC 83

COPY TO

- ☐ INREAD
- ☐ UTILITIES DIRECTOR
- ☐ WATER TREATMENT PLANT (GENERAL FOREMAN)
- ☐ BASE PREVENTIVE MEDICINE
- ☐ MCAS PREVENTIVE MEDICINE
- ☐ _____

NATURAL RESOURCES AND ENVIRONMENTAL AFFAIRS DIVISION
MARINE CORPS BASE
CAMP LEJEUNE, NORTH CAROLINA 28542

5-6-83
Date

From: Director
To: Danny

Subj:

1. See attached + 16 May deadline by Maj Hack

Jake

advised Joe Hack that a regulation → P+C would be required. He advised to check with Steve on a cost estimate.

Danny Thorpe

· Betsy ·

Prepare a response
to this matter

DEPARTMENT OF THE NAVY SELF-DUPLICATING NOTE

Use only for an informal, preferably hand-written note. Make duplicate only when required for follow-up or working file. See correspondence manual for formal, official memoranda.

TO: NREA

☒ ACTION	☐ COORDINATE	☐ PREPARE FOR SIGNATURE
☐ AS DISCUSSED	☐ CORRECTION	☐ REPORT BACK
☐ CALL/SEE ME	☐ INFORMATION	☐ RETURN
☐ COMMENT/CLEAR	☐ PREPARE DRAFT	☐

Subj: Water Testing at Bldg 934

1. It is requested that the subj test as requested in the attached work request be conducted by the water quality lab.

2. Complete action by 16 May 83

FROM: J. W. Jack

DATE 5 May 83

EXT. 3075

OPNAV 5216/152 (Rev. 5-74) S/N 0107-LF-778-7110 ☆ U.S. Government Printing Office: 1982—505-106/8666 2-1

CARBON PAPERS

THIS DOCUMENT CONTAINS CARBON PAPERS

Confidential Records Management, Inc.
New Bern, NC
1-888-622-4425
10/08

WORK REQUEST (MAINTENANCE MANAGEMENT)
NAVFAC 9-11014/20 REV. 2-68) S/N 0105-LF-002-7510
Supersedes NAVDOCKS 2351

(PW Department see Instructions in NAVFAC MO-321)

Requestor see Instructions on Reverse Side

PART I—REQUEST (Filled out by Requestor)

1. FROM: Training Facilities Officer	2. REQUEST NO.: 7-83
3. TO: Assistant Chief of Staff, Facilities	4. DATE OF REQUEST: 2 May 83
5. REQUEST FOR: ☐ COST ESTIMATE ☒ PERFORMANCE OF WORK	5a. REQUEST WORK START: ASAP
6. FOR FURTHER INFORMATION CALL: GySgt HILL Ext 3518/1928	7. SKETCH/PLAN ATTACHED: ☐ YES ☒ NO

8. DESCRIPTION OF WORK AND JUSTIFICATION *(Including location, type, size, quantity, etc.)*

It is requested that a Chemical Test be done on the Water at Building 934, Base Gas Chamber. A Biological Test has been completed, and a high concentration of iron has been found. Mr. D. SHARP, ext 5003, will not certify the water fit to drink until a chemical test for herbicides and other chemicals has been completed.

Justification: This Range is utilized by MCB, 2d MarDiv and 2d FSSG. Battalion sized units which are required to undergo a four day NBC Block Training Program Semi-annually, require use of water. Due to heat during training in the Chemical Protective Suits and the use of a personnel Decontamination Station, it is imperative that the Base CS Chamber have water from a safety view.

9. FUNDS CHARGEABLE	10. SIGNATURE *(Requesting Official)*: LtCol A. R. BRUNELLI Jr.

PART II—COST ESTIMATE
(Filled out by Maintenance Control Division if estimate requested)

11. TO:	12. ESTIMATE NO.

13. COST ESTIMATE		14. SKETCH/PLAN ATTACHED ☐ YES ☐ NO
a. Labor	$	15. ☐ APPROVED. PROGRAMMING TO START IN _____
b. Material	$	☐ APPROVED. BASED ON PRESENT WORKLOAD, THIS JOB CAN BE PROGRAMMED TO START IN _____, IF AUTHORIZED BY 25TH OF _____ AND FUNDS ARE MADE AVAILABLE.
c. Overhead and/or Surcharge	$	
d. Equipment Rental/Usage	$	
e. Contingency	$	☐ DISAPPROVED. *(See Reverse Side)*
f. TOTAL	$	16. SIGNATURE / 17. DATE

PART III—ACTION (Filled out by Requestor)

18. TO:

19. AUTHORIZATION TO PROCEED IS ATTACHED *(Check one if other than PW funds are involved)* ☐ NAVCOMPT 140 ☐ OTHER	20. WORK REQUESTED ☐ HAS BEEN CANCELLED ☐ HAS BEEN DEFERRED ☐ WILL BE PERFORMED BY OTHERS
21. SIGNATURE	22. DATE

(See Part IV on Reverse Side)

INSTRUCTIONS

IF ESTIMATE IS DESIRED BEFORE WORK IS STARTED

Requestor fills in all items in Part I, checks "Cost Estimate" in item 5, attaches sketch or plan if necessary, and checks proper block in item 7. Requestor retains last copy and forwards balance to Public Works Department.

If the Work Request is approved, the original and first copy will be returned to the requestor with Part II completed. If the requestor desires the work to proceed in accordance with the estimate provided, he should fill in Part III, checking proper block in item 19 and attaching the document citing the funds to be used. If the requestor decides not to authorize the work, the appropriate box in item 20 should be checked. The original form, in either case, is returned to the Public Works Department.

If the Work Request is disapproved, the reasons for disapproval will be stated in Part IV, signed by the Public Works Officer, and the original and one copy returned to the requestor.

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NAVFAC 9-11014/20 REV. 2-68) S/N 0105-LF-002-7510
Supersedes NAVDOCKS 2351

(PW Department see Instructions in NAVFAC MO-321)

Requestor see Instructions on Reverse Side

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Training Facilities Officer	7-83
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Assistant Chief of Staff, Facilities	2 May 83
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e. Contingency	$	☐ DISAPPROVED. *(See Reverse Side)*
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PART IV—REMARKS

WATER ON GAS CHAMBER

STECH

168 ALL WE CAN - THIS DATA DOES NOT PROVIDE ADEQUATE DATA ~~THAT~~ TO MAKE DETERMINE THAT THIS IS SAFE TO DRINK.

OPNAV 5216/144A (Rev. 8-81)
S/N 0107-LF-052-2320

~~To Danny~~

To Belan.

DEPARTMENT OF THE NAVY

Memorandum

DATE: 18 Feb 83

FROM:

TO: Env Engr

Run all tests we normally run on drinking water.

SUBJ: well-water Quality @ Bldg 934, Gas Chamber

Ref(a) Mtg btwn Maj Rowland & MSGT Stewart, Base Training and me, 14 Feb 83

1. Per ref meeting, well-water is not now considered potable and has been suspected as being contaminated. Please sample the well for coliform bacteria (2 replicates) and for hardness, iron, and total dissolved solids.

2. When we get the results of lab analyses, recommendations on the use of water can be made.

Thanks,

Alp

QUALITY CONTROL LABORATORY REPORT

MISCELLANEOUS BACTERIOLOGICAL ANALYSIS OF WATER

MCBCL 11330/8 (REV. 4/78)

WATER TYPE	SAMPLE COLLECTED BY	DATE COLLECTED
		24 Feb

LOCATION	MARKED	COLIFORM	
		TOTAL	FECAL
BLDG 934		0	

REMARKS

COLIFORM NEGATIVE

SIGNATURE Gerald F. Monahan DATE 25 Feb 83

COPY TO

- ☐ UNREAD
- ☐ UTILITIES DIRECTOR
- ☐ WATER TREATMENT PLANT (GENERAL FOREMAN)
- ☐ BASE PREVENTIVE MEDICINE
- ☐ MCAS PREVENTIVE MEDICINE
- ☐ _____

GAS CHAMBER

COLI BACT

CHEMICAL.

BLDG. 934

3518

Gy Hill

CHEMICAL ANALYSIS — WATER TREATMENT PLANTS
MCBCL 11330/3 (REV. 3-82)

DATE COLLECTED: 24 Feb 1983

PARAMETER	~~HADNOT POINT~~ Bldg 734	MONTFORD POINT	TARAWA TERRACE	ONSLOW BEACH	COURTHOUSE BAY	RIFLE RANGE	HOLCOMB BLVD	NEW RIVER	
PH	6.8								
PENOLTHALEIN ALKALINITY	0								
METHYL ORANGE ALKALINITY	170								
CARBONATES AS $CaCO_3$	0								
BICARBONATES AS $CaCO_3$	170								
CHLORIDES AS C1	10								
HARDNESS AS $CaCO_3$	188								
IRON AS Fe	0.48								
FLUORIDE	0.39								
CHLORINE RESIDUAL									
TURBIDITY	0.36								
TOTAL PHOSPHATE									
ORTHO PHOSPHATE									
META PHOSPHATE									
STABILITY	-0.5								

REMARKS

NOTE: All results reported in parts per million unless otherwise noted except for pH, temperature, and specific conductance. One liter of potable water is assumed to weigh one kilogram.

LABORATORY ANALYSIS BY: Robert J. Tarantelli

DATE OF ANALYSIS: 24 Feb 1983

CHEMICAL ANALYSIS — WATER TREATMENT PLANTS

MCBCL 11330/3 (REV. 3-82)

DATE COLLECTED: 24 Feb 83

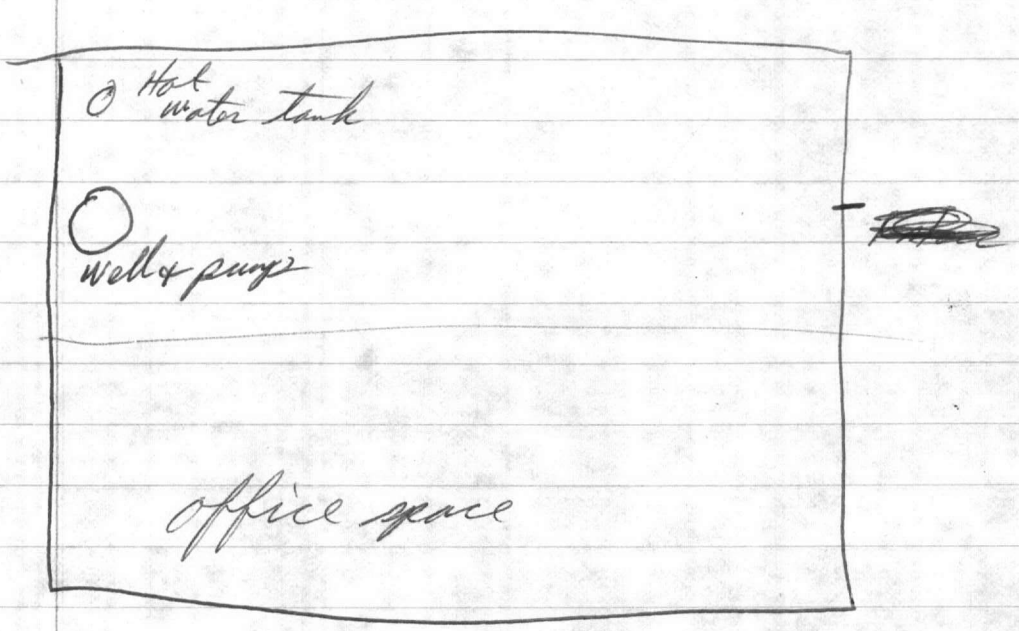
PARAMETER	~~HADNOT POINT~~ 944	MONTFORD POINT	TARAWA TERRACE	ONSLOW BEACH	COURTHOUSE BAY	RIFLE RANGE	HOLCOMB BLVD	NEW RIVER	.
PH	7.3 6.8								
PENOLTHALEIN ALKALINITY	0								
METHYL ORANGE ALKALINITY	170								
CARBONATES AS $CaCO_3$	0								
BICARBONATES AS $CaCO_3$	170								
CHLORIDES AS C1	10								
HARDNESS AS $CaCO_3$	188								
IRON AS Fe	0.48								
FLUORIDE	0.39								
CHLORINE RESIDUAL									
TURBIDITY	0.36								
TOTAL PHOSPHATE									
ORTHO PHOSPHATE									
META PHOSPHATE									
STABILITY	-0.5								

REMARKS

NOTE: All results reported in parts per million unless otherwise noted except for pH, temperature, and specific conductance. One liter of potable water is assumed to weigh one kilogram.

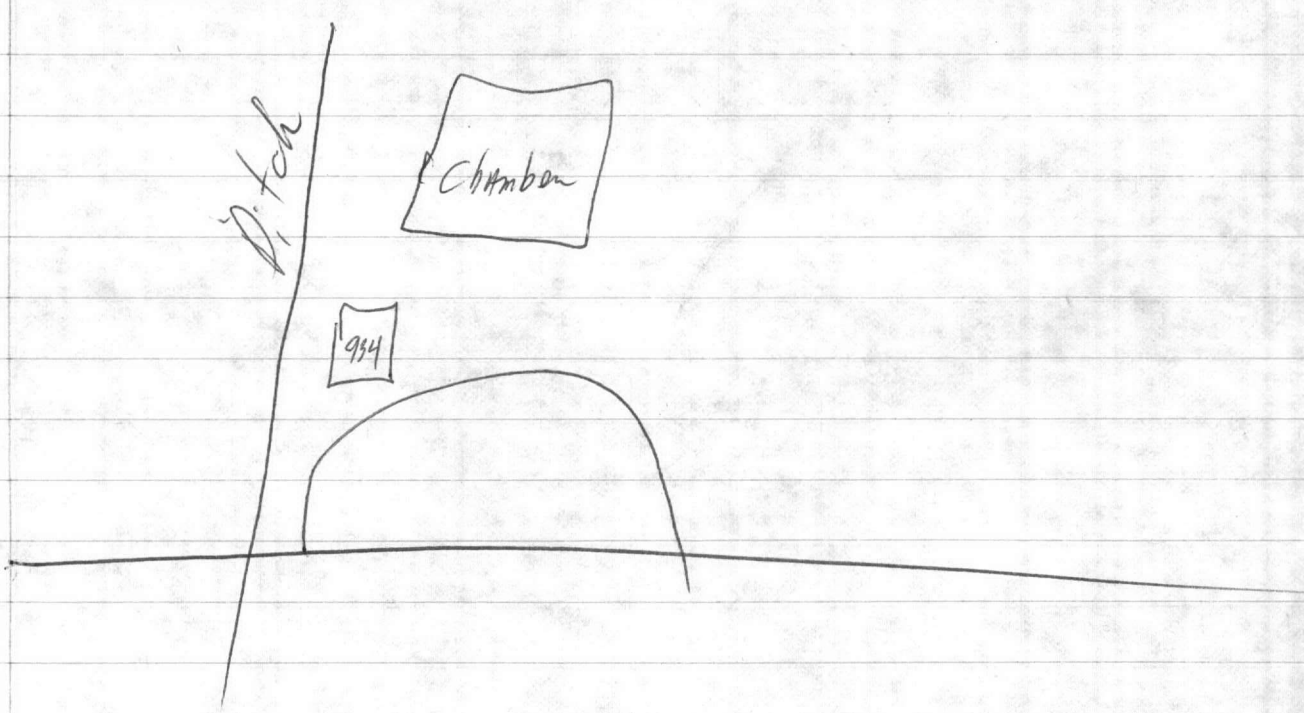
LABORATORY ANALYSIS BY: [signature]

DATE OF ANALYSIS: 24 Feb 83



Bldg 934

Hot water smells like rotten eggs.



CHEMICAL ANALYSIS — WATER TREATMENT PLANTS
MCBCL 11330/3 (REV. 3-82)

DATE COLLECTED: 24 Feb 1983

PARAMETER	~~HADNOT POINT~~ Bldg 934	MONTFORD POINT	TARAWA TERRACE	ONSLOW BEACH	COURTHOUSE BAY	RIFLE RANGE	HOLCOMB BLVD	NEW RIVER	.
PH	6.8								
PENOLTHALEIN ALKALINITY	0								
METHYL ORANGE ALKALINITY	170								
CARBONATES AS $CaCO_3$	0								
BICARBONATES AS $CaCO_3$	170								
CHLORIDES AS C1	10								
HARDNESS AS $CaCO_3$	188								
IRON AS Fe	0.48								
FLUORIDE	0.39								
CHLORINE RESIDUAL									
TURBIDITY	0.36								
TOTAL PHOSPHATE									
ORTHO PHOSPHATE									
META PHOSPHATE									
STABILITY	-0.5								

REMARKS

NOTE: All results reported in parts per million unless otherwise noted except for pH, temperature, and specific conductance. One liter of potable water is assumed to weigh one kilogram.

LABORATORY ANALYSIS BY: Robert J. Tuskopelle

DATE OF ANALYSIS: 24 Feb 1983