

N91192.AR.001584
NIROP FRIDLEY, MN
5090.3a

2003 ANNUAL WATER USE REPORT WITH TRANSMITTAL NIROP FRIDLEY MN
2/5/2004
BAY WEST

35A

Bay West

Delivering Environmental, Industrial, and Emergency Solutions

Bay West, Inc.
HQ: 5 Empire Drive, St. Paul, MN 55103
651-291-0456 * FAX 651-291-0099
www.baywest.com * info@baywest.com

February 5, 2004

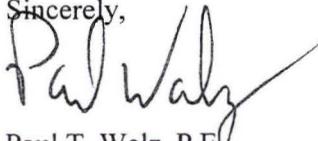
DNR Waters
500 Lafayette Road Box 48
St. Paul, MN 55155-4048

**RE: Annual Water Use Report – 2003
Naval Industrial Reserve Ordnance Plant (NIROP)
Fridley, Minnesota
DNR Permit No. 926127**

Bay West, Inc. is submitting the completed 2003 Water Use Report forms on behalf of the Navy. The Water Use Report covers ground water extraction wells AT-3A, AT-5A, AT-5B, AT-7, AT-8, AT-9 and AT-10. These wells are used to remove contaminated groundwater located on the NIROP property. In accordance with Permit 926127, Federal Agencies are exempt from annual processing fees.

If you need additional information or have any questions, please contact me at 651-291-3491.

Sincerely,



Paul T. Walz, P.E.
Senior Engineer
651/291-3491
paulw@baywest.com

Enclosures

cc/enc: Dan Owens, SouthDivNavFacEngCom
Mark Sladic, Tetra Tech Nus, Inc.
cc: Lamar Sims, EFA Midwest (w/o enclosures)

BWJ990726
Docs #71930

2003 DNR - ANNUAL REPORT OF WATER USE
Installation Worksheet

Permit: 926127 Installation: 3A

Use: **POLLUTION CONTAINMENT**
Source Type: **GROUND WATER**
Source Name: **QBAA**

Twp: **30** Rng: **24** Sec: **27** Qtr: **CAD**

Please correct address if needed:

US NAVY
JEFF MEYERS
SOUTH NAVFACENCOM
PO BOX 190010
N CHARLESTON SC 29419-9010

Dan Owens

Phone: **843-820-5562** _____

A. If no water was withdrawn this year indicate the reason.

- ____ 1. CRP/set aside ____ 2. System removed ____ 3. Water not required
- ____ 4. Permit suspended ____ 5. Other (specify) _____
- ____ 6. Water received from an alternate source (specify) _____

B. List the number of gallons withdrawn in each month.

Pumping Rate (gpm): 180

January	<u>436,000</u>	July	<u>6,363,000</u>	
February	<u>0</u>	August	<u>6,808,000</u>	
March	<u>3,243,000</u>	September	<u>7,967,000</u>	
April	<u>4,933,000</u>	October	<u>7,183,000</u>	
May	<u>3,216,000</u>	November	<u>7,673,000</u>	
June	<u>3,155,000</u>	December	<u>8,066,000</u>	
		TOTAL	<table border="1"><tr><td>59,043,000</td></tr></table>	59,043,000
59,043,000				

C. Affidavit of compliance - Measurement method (check one)

- ____ 1. Flow Meter
- x 2. Flow Rate Meter with: x Totalizer or ____ Hour meter
- ____ 3. Timing Device: ____ Hour meter or ____ Electric meter x gpm
- ____ 4. Alternate method: If not already approved, enclose request for approval.
- ____ 5. Estimated: An approved measuring device or method is required. (describe below)

SIGNATURE Ar Mervel DATE 2/3/04 PHONE (651) 291-3435

2003 DNR - ANNUAL REPORT OF WATER USE
Installation Worksheet

Permit: 926127 Installation: 5A

Use: **POLLUTION CONTAINMENT**
Source Type: **GROUND WATER**
Source Name: **QWTA**

Twp: **30** Rng: **24** Sec: **27** Qtr: **DBC**

US NAVY
JEFF MEYERS
SOUTH NAVFACENGCOM
PO BOX 190010
N CHARLESTON SC 29419-9010

Please correct address if needed:

Dan Owens

Phone: **843-820-5562** _____

A. If no water was withdrawn this year indicate the reason.

- ____ 1. CRP/set aside ____ 2. System removed ____ 3. Water not required
- ____ 4. Permit suspended ____ 5. Other (specify) _____
- ____ 6. Water received from an alternate source (specify) _____

B. List the number of gallons withdrawn in each month.

Pumping Rate (gpm): 145

January	<u>157,000</u>	July	<u>5,032,000</u>	
February	<u>0</u>	August	<u>5,199,000</u>	
March	<u>2,489,000</u>	September	<u>5,976,000</u>	
April	<u>3,749,000</u>	October	<u>5,577,000</u>	
May	<u>2,415,000</u>	November	<u>5,755,000</u>	
June	<u>2,399,000</u>	December	<u>6,431,000</u>	
		TOTAL	<table border="1"><tr><td>45,179,000</td></tr></table>	45,179,000
45,179,000				

C. Affidavit of compliance - Measurement method (check one)

- ____ 1. Flow Meter
- 2. Flow Rate Meter with: Totalizer or ____ Hour meter
- ____ 3. Timing Device: ____ Hour meter or ____ Electric meter x gpm
- ____ 4. Alternate method: If not already approved, enclose request for approval.
- ____ 5. Estimated: An approved measuring device or method is required. (describe below)

SIGNATURE *Ann Marshall* DATE 2/3/04 PHONE (651) 291-3435

2003 DNR - ANNUAL REPORT OF WATER USE
Installation Worksheet

Permit: 926127 Installation: 5B

Use: **POLLUTION CONTAINMENT**
Source Type: **GROUND WATER**
Source Name: **QBAA**

Twp: **30** Rng: **24** Sec: **27** Qtr: **DBC**

Please correct address if needed:

US NAVY
~~JEFF MEYERS~~
SOUTH NAVFACENCOM
PO BOX 190010
N CHARLESTON SC 29419-9010

Dan Owens

Phone: **843-820-5562** _____

A. If no water was withdrawn this year indicate the reason.

- ____ 1. CRP/set aside ____ 2. System removed ____ 3. Water not required
- ____ 4. Permit suspended ____ 5. Other (specify) _____
- ____ 6. Water received from an alternate source (specify) _____

B. List the number of gallons withdrawn in each month.

Pumping Rate (gpm): 80

January	<u>232,000</u>	July	<u>3,186,000</u>
February	<u>0</u>	August	<u>3,710,000</u>
March	<u>1,752,000</u>	September	<u>3,983,000</u>
April	<u>2,498,000</u>	October	<u>3,716,000</u>
May	<u>1,602,000</u>	November	<u>3,629,000</u>
June	<u>1,582,000</u>	December	<u>3,588,000</u>

TOTAL 29,478,000

C. Affidavit of compliance - Measurement method (check one)

- ____ 1. Flow Meter
- 2. Flow Rate Meter with: Totalizer or ____ Hour meter
- ____ 3. Timing Device: ____ Hour meter or ____ Electric meter x gpm
- ____ 4. Alternate method: If not already approved, enclose request for approval.
- ____ 5. Estimated: An approved measuring device or method is required. (describe below)

SIGNATURE *An Maxwell* DATE 2/3/04 PHONE (651) 291-3435

2003 DNR - ANNUAL REPORT OF WATER USE
Installation Worksheet

Permit: 926127 Installation: 10

Use: **POLLUTION CONTAINMENT**
Source Type: **GROUND WATER**
Source Name: **QBAA**

Well Unique Number: **611096**
Twp: **30** Rng: **24** Sec: **27** Qtr: **CAC**

US NAVY
JEFF MEYERS
SOUTH NAVFACENGCOM
PO BOX 190010
N CHARLESTON SC 29419-9010

Please correct address if needed:

Dan Owens

Phone: **843-820-5562**

A. If no water was withdrawn this year indicate the reason.

- 1. CRP/set aside
- 2. System removed
- 3. Water not required
- 4. Permit suspended
- 5. Other (specify)
- 6. Water received from an alternate source (specify)

B. List the number of **gallons** withdrawn in each month.

Pumping Rate (gpm): 20

January	<u>0</u>	July	<u>960,000</u>
February	<u>0</u>	August	<u>1,160,000</u>
March	<u>100,000</u>	September	<u>1,250,000</u>
April	<u>100,000</u>	October	<u>1,310,000</u>
May	<u>0</u>	November	<u>550,000</u>
June	<u>440,000</u>	December	<u>1,400,000</u>

TOTAL 7,270,000

C. Affidavit of compliance - Measurement method (check one)

- 1. Flow Meter
- 2. Flow Rate Meter with: Totalizer or Hour meter
- 3. Timing Device: Hour meter or Electric meter x gpm
- 4. Alternate method: If not already approved, enclose request for approval.
- 5. Estimated: An approved measuring device or method is required. (describe below)

SIGNATURE *Chris Marshall* DATE 2/3/04 PHONE (651) 291-3435

2003 DNR - FEE CALCULATION WORKSHEET

US NAVY, N CHARLESTON, SC 29419-9010

Permit: **926127** Use: **271** Permit Volume (MG/Y): **526.0** Installations: **7** County: **2**

1. Enter the total volume of water pumped from all installations of this permit. If this amount is 0, skip to line 5 and enter \$101. 204,895,000 gallons
2. Divide line 1 by one million (1,000,000), round to the nearest tenth (one decimal place), and enter here: 204.9 million gallons
(Example: 75,243,400 rounds to 75.2 million gallons)
3. Find your fee rate on the table below and enter it here: \$ 4.50 per million gallons

VOLUME PUMPED (from line 2)	FEE RATE (per million gallons)
Up to 50 million gallons	Minimum permit fee of \$101
50 to 100 million gallons	\$3.00
100 to 150 million gallons	\$3.50
150 to 200 million gallons	\$4.00
200 to 250 million gallons	\$4.50
250 to 300 million gallons	\$5.00
300 to 350 million gallons	\$5.50
350 to 400 million gallons	\$6.00
400 to 450 million gallons	\$6.50
450 to 500 million gallons	\$7.00
Over 500 million gallons	\$7.50

4. Multiply Line 2 by Line 3. \$ EXEMPT
 For Example:

75.2	million gallons
x 3.00	dollars per million gallons
<hr/>	
\$225.60	fee

Classification	Maximum Fee	Classification	Maximum Fee
entity with 1 to 3 permits	\$50,000	entity with more than 5 permits	\$250,000
entity with 4 to 5 permits	\$75,000	city of the first class	\$250,000

5. FEE DETERMINATION:
 - a) If the amount on line 2 is less than or equal to 50 million gallons, enter the minimum fee of \$101 on this line.
 - b) If the amount on line 4 is greater than the maximum fee from the table above, enter the maximum fee from the table on this line.
 - c) Otherwise, enter the amount from line 4. \$ EXEMPT
6. Complete the Data Verification Form. If a fee is required for a permit amendment or transfer, enter the amount on this line: \$ EXEMPT
7. Add lines 5 and 6. Enter the total on this line. This is the **2003** water appropriation fee due. Return this fee with the water use reports and any additional information required. \$ EXEMPT
Make checks payable to "DNR Waters", and mail forms and fees to:
 DNR Waters
 500 Lafayette Road Box 48
 St Paul, MN 55155-4048

If you have questions please call (651) 296-0435 24 hours
This report and fee are due by February 15th