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POINCIANA PLAZA HOUSING QUARTERLY GROUNDWATER MONITORING REPORT  
THIRD QUARTER OCTOBER 2000 WITH TRANSMITTAL LETTER NAS KEY WEST FL  
11/14/2000  
TETRA TECH NUS



TETRA TECH NUS, INC.

AIK-00-0382

November 14, 2000

Project Number HK 7593

*via Electronic Email*

Commander  
Department of the Navy  
SOUTHDIV NAVFACENGCOM  
ATTN: Dudley Patrick (Code 1858)  
P.O. Box 190010  
North Charleston, South Carolina 29419-9010

Reference: CLEAN Contract No. N62467-94-D-0888  
Contract Task Order No. 0032

Subject: Poinciana Plaza Housing Quarterly Groundwater Monitoring Report, Third Quarter,  
Rev. 0, Final CD, Naval Air Station, Key West, Florida

Dear Mr. Patrick:

I have enclosed the PDF file for the final version of the Poinciana Plaza Housing Quarterly Groundwater Monitoring Report, Third Quarter, Rev. 0, Naval Air Station, Key West, Florida. The file is being distributed to the members of the NAS Key West Partnering Team via electronic mail for their convenience and to meet TtNUS's contractual obligations for CTO 0032. I am also distributing a hardcopy version of this report (via U.S. mail) to NAS Key West for inclusion in the Information Repository.

I am not planning to receive any comments on this report from members of the NAS Key West Partnering Team; however, I do anticipate discussing the results and recommendations that are contained in this report with the Partnering Team during our next meeting.

Please call me at (803) 649-7963, extension 345, if you have any questions regarding the enclosed report.

Sincerely,

C. M. Bryan  
Project Manager

CMB:spc

Enclosure

c: Ms. Debbie Wroblewski (Cover Letter Only)  
Mr. T. Ballard, EPA  
Mr. J. Caspary, FDEP  
Mr. R. Courtright, NAS Key West (w/ hardcopy)

Mr. R. Demes, NAS Key West  
Mr. M. Perry/File  
File: 7593-7.20.3

**POINCIANA PLAZA HOUSING  
QUARTERLY  
GROUNDWATER MONITORING REPORT**

**Third Quarter, October 2000**

**Naval Air Station  
Key West, Florida**



**Southern Division  
Naval Facilities Engineering Command**

**Contract Number N62467-94-D-0888  
Contract Task Order 0032**

November 2000

*Rev. 0*

**POINCIANA PLAZA HOUSING  
QUARTERLY  
GROUNDWATER MONITORING REPORT**

**THIRD QUARTER, OCTOBER 2000**

**FOR**

**NAVAL AIR STATION  
KEY WEST, FLORIDA**

**COMPREHENSIVE LONG-TERM  
ENVIRONMENTAL ACTION NAVY (CLEAN) CONTRACT**

**Submitted to:  
Southern Division  
Naval Facilities Engineering Command  
2155 Eagle Drive  
North Charleston, South Carolina 29406**

**Submitted by:  
Tetra Tech NUS, Inc.  
661 Andersen Drive  
Foster Plaza 7  
Pittsburgh, Pennsylvania 15220**

**CONTRACT NUMBER N62467-94-D-0888  
CONTRACT TASK ORDER 0032**

**November 2000**

**PREPARED UNDER THE SUPERVISION OF:**

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**CHUCK BRYAN  
TASK ORDER MANAGER  
TETRA TECH NUS, INC.  
AIKEN, SOUTH CAROLINA**

**APPROVED FOR SUBMITTAL BY:**



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**DEBBIE WROBLEWSKI  
PROGRAM MANAGER  
TETRA TECH NUS, INC.  
PITTSBURGH, PENNSYLVANIA**

## **POINCIANA PLAZA HOUSING QUARTERLY GROUNDWATER MONITORING REPORT**

**Third Quarter, October 2000**

On October 9, 2000, an unfiltered groundwater sample and duplicate were obtained from monitoring well G02MW-01 in accordance with the Sampling and Analysis Plan for the Poinciana Plaza Housing Groundwater Monitoring Program. The sampling event detected an average arsenic concentration of 850.5 µg/L in G02MW-01, which is in excess of the action level of 50 µg/L. Prior to the sampling event, approximately 220 gallons of water were pumped from G02MW-01 on October 4, 2000 in an attempt to obtain additional information relating to the source of the arsenic. Sampling results from the past two years indicate that high arsenic levels detected in groundwater at G02MW-01 are probably caused by an unknown source. Figure 1 shows the historical results of sampling events conducted to monitor arsenic in groundwater at monitoring well G02MW-01. Figure 2 shows the location of the subject monitoring well with respect to the layout of the Poinciana Plaza Housing Complex.

Included in Attachment A of this report are copies of the chain of custody containing the Poinciana Plaza Housing samples G02-MW-01-10900 and G02-DUP-01, a copy of the sample log sheet, and the laboratory results for both samples.

The next quarterly sampling event is scheduled to occur during January 2001.





## ATTACHMENT A







