N60200.AR.000722
NAS CECIL FIELD, FL
5090.3a

STORAGE TANK CLOSURE ASSESSMENT FORM FOR FIELD OFFICER HOUSING UNIT P WITH ATTACHMENTS NAS CECIL FIELD FL
7/10/1995
INNOVATIVE SERVICES INTERNATIONAL

Florida Department of Environmental Regulation

Twin Towers Office Bldg. • 2600 Blair Stone Road • Tallahassee, Florida 32399-2400

DER Form # 17-761.900(6)
Form Title: Closure Assessment Form
Effective Date: December 10, 1990
DER Application No. _____
(Filled in by DER)

Closure Assessment Form

Owners of storage tank systems that are replacing, removing or closing in place storage tanks shall use this form to demonstrate that a storage system closure assesment was performed in accordance with Rule 17-761 or 17-762, Florida Administrative Code. Eligible Early Detection Incentive (EDI) and Reimbursement Program sites do not have to perform a closure assessment.

Please Print or Type
Complete All Applicable Blanks

1. Date: July 10,1995
2. DER Facility ID Number: N/A 3. County: Duval
4. Facility Name: Naval Air Station - Cecil Field Officer Housing Unit "P"
5. Facility Owner: U.S. Navy
6. Facility Address: Naval Air Station - Cecil Field
7. Mailing Address: Naval Air Station - Cecil Field
8. Telephone Number: (_____) _____ 9. Facility Operator: U.S. Navy
10. Are the Storage Tank(s): (Circle one or both) A. Aboveground or B. Underground
11. Type of Product(s) Stored: #2 Heating Oil
12. Were the Tank(s): (Circle one) A. Replaced B. Removed C. Closed in Place D. Upgraded (aboveground tanks only)
13. Number of Tanks Closed: One (1) 14. Age of Tanks: Unknown

Facility Assessment Information

Yes	No	Not Applicable	
☐	X		1. Is the facility participating in the Florida Petroleum Liability Insurance and Restoration Program (FPLIRP)?
☐	X		2. Was a Discharge Reporting Form submitted to the Department? If yes, When: _____ Where: _____
X	☐		3. Is the depth to ground water less than 20 feet?
☐	X	☐	4. Are monitoring wells present around the storage system? If yes, specify type: ☐ Water monitoring ☐ Vapor monitoring
☐	X	☐	5. Is there free product present in the monitoring wells or within the excavation?
☐	☐	X	6. Were the petroleum hydrocarbon vapor levels in the soils greater than 500 parts per million for gasoline? Specify sample type: ☐ Vapor Monitoring wells ☐ Soil sample(s)
☐	X	☐	7. Were the petroleum hydrocarbon vapor levels in the soils greater than 50 parts per million for diesel/kerosene? Specify sample type: ☐ Vapor Monitoring wells ☒ Soil sample(s)
☐	X	☐	8. Were the analytical laboratory results of the ground water sample(s) greater than the allowable state target levels (See target levels on reverse side of this form and supply laboratory data sheets)
☐	☐	X	9. If a used oil storage system, did a visual inspection detect any discolored soil indicating a release?
☐	X		10. Are any potable wells located within ¼ of a mile radius of the facility?
☐	X		11. Is there a surface water body within ¼ mile radius of the site? If yes, indicate distance: _____

DER Form No. 17-761.900(1)
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12. A detailed drawing or sketch of the facility that includes the storage system location, monitoring wells, buildings, storm drains, sample locations and dispenser locations must accompany this form.
13. If a facility has a pollutant storage tank system that has both gasoline and kerosene/diesel stored on site, both EPA Method 602 and EPA Method 610 must be performed on the ground water samples obtained.
14. Amount of soils removed and receipt of proper disposal.
15. If yes is answered to any one of questions 5-9, a Discharge Reporting Form 17-761.900(1) indicating a suspected release shall be submitted to the Department within one working day.
16. A copy of this form and any attachments must be submitted to the Department's district office in your area and to the locally administered program office under contract with the Department within 60 days of completion of tank removal or filling a tank with an inert material.

Signature of Owner _____ Date _____

Signature of Person Performing Assessment _____ Date 7/12/95

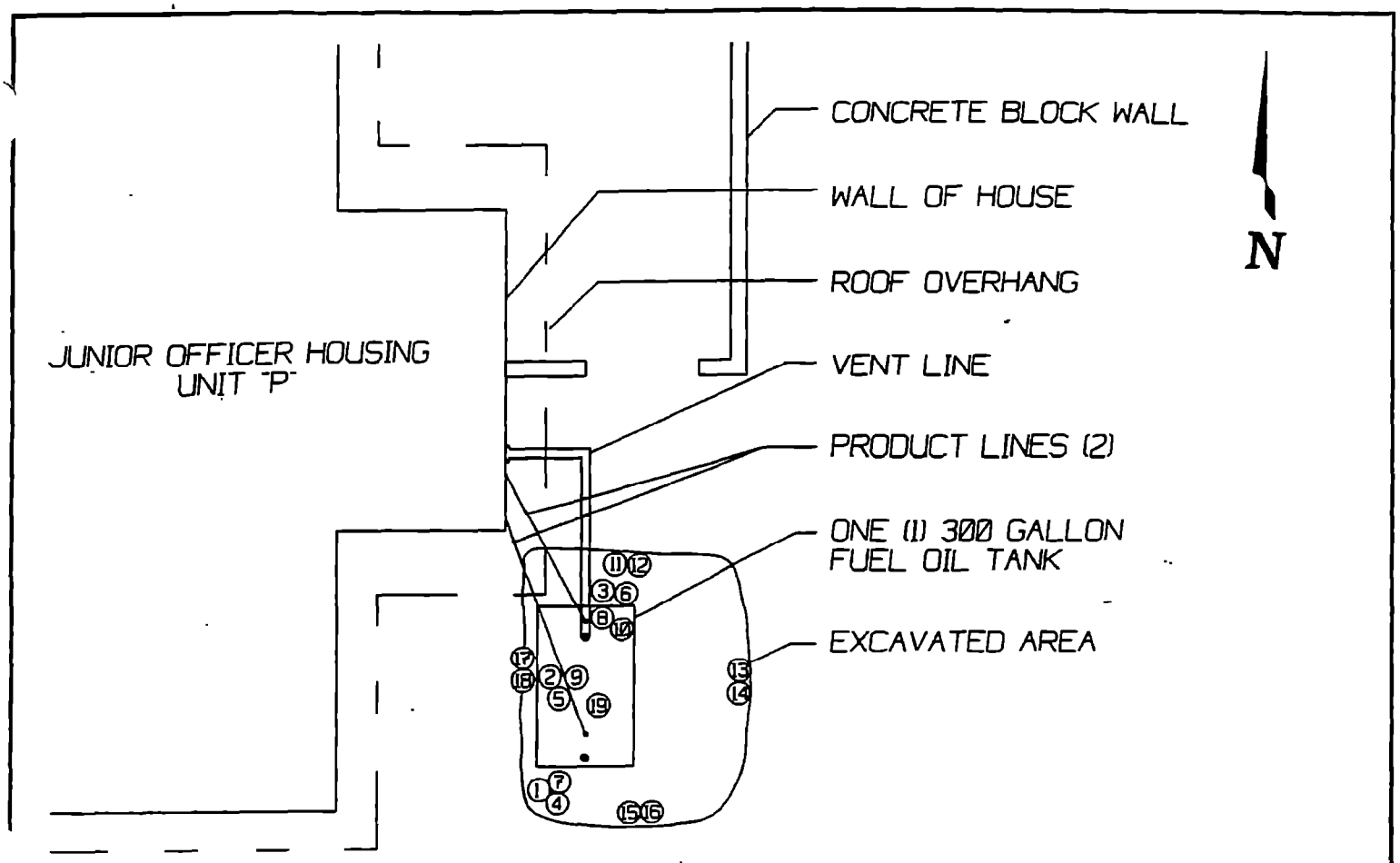
Professional Geologist
Title of Person Performing Assessment

State Ground Water Target Levels That Affect A Pollutant Storage Tank System Closure Assessment

State ground water target levels are as follows:

1. For gasoline (EPA Method 602):
   a. Benzene — 1 ug/l
   b. Total VOA — 50 ug/l
      - Benzene
      - Toluene
      - Total Xylenes
      - Ethylbenzene
   c. Methyl Test-Butyl Ether (MTBE) — 50 ug/l

2. For kerosene/diesel (EPA Method 610):
   a. Polynuclear Aromatic Hydrocarbons (PAHS) (Best achievable detection limit, 10 ug/l maximum)



SAMPLE #	HC	DEPTH	SAMPLE #	HC	DEPTH
1	0.0	1'	11	9.0	2'
2	0.0	1'	12	0.0	4'
3	0.0	1'	13	0.0	2'
4	0.0	2'	14	0.0	4'
5	0.0	2'	15	0.0	2'
6	0.0	2'	16	0.0	4'
7	0.0	3'	17	0.0	2'
8	0.0	3'	18	0.0	4'
9	0.0	4'	19	0.0	5'
10	0.0	4'			

ALL SAMPLES ANALYZED WITH A THERMO ENVIRONMENTAL INSTRUMENTS MODEL 580B PHOTOIONIZATION DETECTOR.

① SAMPLE LOCATION

SCALE (FT.):

0 1 2 3 4 5

INNOVATIVE SERVICES INTERNATIONAL, INC.

SITE PLAN

JUNIOR OFFICER HOUSING UNIT "P"

NAVAL AIR STATION CECIL FIELD JACKSONVILLE, FLORIDA

Geological Environmental and Oceanographic Sciences, Inc.

1057 North Ellis Road, Suite 17
Jacksonville, Florida 32254
(904) 786-8340
(800) 486-6755
(904) 786-6799 Fax

Water
Soil
Air
Analysis and Consulting

Geos Inc.

ISI100014396
Attn: RON BOARDMAN

P.O. BOX 150016
NAS CECIL FIELD, FL
32215

Page 1
26 Jun 1995
Report J5-06-146-01
LAB ID. 82223/E82101

Sample Description:
GROUNDWATER
TEMP WELL @ JR OFFICER HOUSING UNIT "P"
CECIL FIELD OFFICER HOUSING

SAMPLE ID.: JO-P-695
COLLECTED: 06/15/95 15:25
RECEIVED: 06/15/95
COLLECTED BY: YOUR REP

Parameter	Result	Units	Method	Det. Limit	Extracted	Analyzed	Analyst
Hydrocarbons, Total IR	<0.200	mg/L	418.1	0.200	06/25/95	06/26/95	AM
Lead, Total	0.432	mg/L	239.2	0.005	06/21/95	06/23/95	JC
Polynuclear Aromatics			625\8270				
Naphthalene	BDL	µg/L		10	06/19/95	06/23/95	AT
Acenaphthylene	BDL	µg/L		10	06/19/95	06/23/95	AT
1-Methylnaphthalene	BDL	µg/L		10	06/19/95	06/23/95	AT
2-Methylnaphthalene	BDL	µg/L		10	06/19/95	06/23/95	AT
Acenaphthene	BDL	µg/L		10	06/19/95	06/23/95	AT
Fluorene	BDL	µg/L		10	06/19/95	06/23/95	AT
Phenanthrene	BDL	µg/L		10	06/19/95	06/23/95	AT
Anthracene	BDL	µg/L		10	06/19/95	06/23/95	AT
Fluoranthene	BDL	µg/L		10	06/19/95	06/23/95	AT
Pyrene	BDL	µg/L		10	06/19/95	06/23/95	AT
Benzo(a)anthracene	BDL	µg/L		10	06/19/95	06/23/95	AT
Chrysene	BDL	µg/L		10	06/19/95	06/23/95	AT
Benzo(b)fluoranthene	BDL	µg/L		10	06/19/95	06/23/95	AT
Benzo(k)fluoranthene	BDL	µg/L		10	06/19/95	06/23/95	AT
Benzo(a)pyrene	BDL	µg/L		10	06/19/95	06/23/95	AT
Indeno(1,2,3-c,d)pyrene	BDL	µg/L		10	06/19/95	06/23/95	AT
Dibenzo(a,h)anthracene	BDL	µg/L		10	06/19/95	06/23/95	AT
Benzo(g,h,i)perylene	BDL	µg/L		10	06/19/95	06/23/95	AT
Surrogates							
Nitrobenzene-d5	82	Min: 35	Max: 114				
2-Fluorobiphenyl	73	Min: 43	Max: 116				
4-Terphenyl-d14	84	Min: 33	Max: 141				
Volatile Aromatics			602				
Methyl-tert-butyl ether	BDL	µg/L		5.0	06/22/95	06/22/95	MD
Benzene	BDL	µg/L		1.0	06/22/95	06/22/95	MD
Toluene	BDL	µg/L		1.0	06/22/95	06/22/95	MD
Ethyl benzene	BDL	µg/L		1.0	06/22/95	06/22/95	MD
Xylene, Total	BDL	µg/L		1.0	06/22/95	06/22/95	MD

Printed on 100% Recycled Paper

ISII00014396
Attn: RON BOARDMAN

P.O. BOX 150016
NAS CECIL FIELD, FL
32215

26 Jun 1995
Report J5-06-146-01
LAB ID. 82223/E82101

Parameter	Result		Units	Method	Det. Limit	Extracted	Analyzed	Analyst
Chlorobenzene	BDL		µg/L		1.0	06/22/95	06/22/95	MD
1,4-Dichlorobenzene	BDL		µg/L		1.0	06/22/95	06/22/95	MD
1,3-Dichlorobenzene	BDL		µg/L		1.0	06/22/95	06/22/95	MD
1,2-Dichlorobenzene	BDL		µg/L		1.0	06/22/95	06/22/95	MD
Surrogates								
Bromobenzene	103	Min: 70		Max: 130				
Volatile Halocarbons				601				
Dichlorodifluoromethane	BDL		µg/L		1.0	06/22/95	06/22/95	MD
Chloromethane	BDL		µg/L		1.0	06/22/95	06/22/95	MD
Bromomethane	BDL		µg/L		1.0	06/22/95	06/22/95	MD
Vinyl chloride	BDL		µg/L		1.0	06/22/95	06/22/95	MD
Chloroethane	BDL		µg/L		1.0	06/22/95	06/22/95	MD
Methylene chloride	BDL		µg/L		1.0	06/22/95	06/22/95	MD
Trichlorofluoromethane	BDL		µg/L		1.0	06/22/95	06/22/95	MD
1,1-Dichloroethene	BDL		µg/L		1.0	06/22/95	06/22/95	MD
1,1-Dichloroethane	BDL		µg/L		1.0	06/22/95	06/22/95	MD
total-1,2-Dichloroethene	BDL		µg/L		1.0	06/22/95	06/22/95	MD
Chloroform	BDL		µg/L		1.0	06/22/95	06/22/95	MD
1,2-Dichlorethane	1.2		µg/L		1.0	06/22/95	06/22/95	MD
1,1,1-Trichloroethane	BDL		µg/L		1.0	06/22/95	06/22/95	MD
Carbon tetrachloride	BDL		µg/L		1.0	06/22/95	06/22/95	MD
Bromodichloromethane	BDL		µg/L		1.0	06/22/95	06/22/95	MD
1,2-Dichloropropane	BDL		µg/L		1.0	06/22/95	06/22/95	MD
trans-1,3-Dichloropropene	BDL		µg/L		1.0	06/22/95	06/22/95	MD
Trichloroethene	BDL		µg/L		1.0	06/22/95	06/22/95	MD
Dibromochloromethane	BDL		µg/L		1.0	06/22/95	06/22/95	MD
1,1,2-Trichloroethane	BDL		µg/L		1.0	06/22/95	06/22/95	MD
cis-1,3-Dichloropropene	BDL		µg/L		1.0	06/22/95	06/22/95	MD
2-Chloroethylvinyl ether	BDL		µg/L		1.0	06/22/95	06/22/95	MD
Bromoform	BDL		µg/L		1.0	06/22/95	06/22/95	MD
1,1,2,2-Tetrachloroethane	BDL		µg/L		1.0	06/22/95	06/22/95	MD
Tetrachloroethene	BDL		µg/L		1.0	06/22/95	06/22/95	MD
Chlorobenzene	BDL		µg/L		1.0	06/22/95	06/22/95	MD
1,3-Dichlorobenzene	BDL		µg/L		1.0	06/22/95	06/22/95	MD
1,2-Dichlorobenzene	BDL		µg/L		1.0	06/22/95	06/22/95	MD

ISI100014396
Attn: RON BOARDMAN

P.O. BOX 150016
NAS CECIL FIELD, FL
32215

26 Jun 1995
Report J5-06-146-01
LAB ID. 82223/E82101

Parameter	Result		Units	Method	Det. Limit	Extracted	Analyzed	Analyst
1,4-Dichlorobenzene	BDL		µg/L		1.0	06/22/95	06/22/95	MD
Surrogates								
Bromobenzene	98.9	Min: 70		Max: 130				

Karen T. Foreman
Karen Foreman, Laboratory Director

CHAIN OF CUS[illegible]Y RECORD

Geos Inc.

☐ 1057 N. ELLIS ROAD, SUITE 17, JACKSONVILLE, FL 32254-2249 • (904) 786-8340
☐ 5909A BRECKENRIDGE PARKWAY, TAMPA, FL 33610-4237 • (813) 626-0101

[redacted]

CLIENT NAME: ISI	PROJECT NAME: Cecil Field - Officer Housing
ADDRESS:	P. O. NUMBER / PROJECT NUMBER
	PROJECT LOCATION: Cecil Field - NAS.
PHONE: 778-2904 FAX:	
CONTACT: R. Boardman	SAMPLED BY: Jerry S. Baker
TURN AROUND TIME or RESULTS DUE BY: ☒ STANDARD ☐ VERBAL ☐ RUSH ☐ FAX ☐ OTHER ☐ HARD COPY	SPECIAL INSTRUCTIONS:

SAMPLE ID	SAMPLE DESCRIPTION	SAMPLING DATE	SAMPLING TIME	MATRIX	CONTAIN	601, 602 w/MTBE 3x 40ml HCl	610 1000ml AG UN	TPH 1000ml AG HCl	Pb 500ml Plastic VANDY					
JO-P-695	Temp Well @ Jr. Officer Housing Unit "P"	6/15/95	1525	GW	6	X	X	X	X					

* GW—Groundwater SW—Surface Water DW—Drinking Water WW—Wastewater SO—Solid/Soil SL—Sludge HW—Hazardous Waste A—Air

FIELD PARAMETERS / COMMENTS:

TRANS. NO.	TRANSFERS RELINQUISHED BY:	ACCEPTED BY:	DATE	TIME
1	[signature]	K Hawk	6-15-95	16:47
2				
3				
4				

CONTAINERS/SEALS INTACT ☐ YES ☐ NO ☐ YES ☐ NO SHIPPED VIA

DISTRIBUTION: White—Client Copy Yellow—Lab Copy Pink—Sample Copy

Florida Department of Environmental Regulation
Twin Towers Office Bldg. • 2600 Blair Stone Road • Tallahassee, Florida 32399-2400

DER Form # 17-761.900(5)
Form Title: Underground Storage Tank Installation & Removal Form for Certified Contractors
Effective Date: December 10, 1990
DER Application No. _____ (Filled in by DER)

Underground Storage Tank Installation and Removal Form For Certified Contractors

Pollutant Storage System Specialty Contractors as defined in Section 489.113, Florida Statutes (Certified contractors as defined in Section 17-761.200, Florida Administrative Code) shall use this form to certify that the installation, replacement or removal of the storage tank system(s) located at the address listed below was performed in accordance with Department Reference Standards.

General Facility Information

1. DER Facility Identification No.: N/A
2. Facility Name: Naval Air Station - Cecil Field Telephone: (____) _____
3. Street Address (physical location): Naval Air Station - Cecil Field Housing Unit "P"
4. Owner Name: U.S. Navy Telephone: (____) _____
5. Owner Address: Naval Air Station - Cecil Field
6. Number of Tanks: a. Installed at this time _____ b. Removed at this time One
7. Tank(s) Manufactured by: Unknown
8. Date Work Initiated: 5/11/95 9. Date Work Completed: 5/12/95

Underground Pollutant Tank Installation Checklist

Please certify the completion of the following installation requirements by placing an (X) in the appropriate box.

1. The tanks and piping are corrosion resistant and approved for use by State and Federal Laws. ☐
2. Excavation, backfill and compaction completed in accordance with NFPA (National Fire Protection Association) 30(87), API (American Petroleum Institute) 1615, PEI (Petroleum Equipment Institute) RP100-87 and the manufacturers' specifications. ☐
3. Tanks and piping pretested and installed in accordance with NFPA 30(87), API 1615, PEI/RP100(87) and the manufacturers' specifications. ☐
4. Steel tanks and piping are cathodically protected in accordance with NFPA 30(87), API 1632, UL (Underwriters Laboratory) 1746, STI (Steel Tank Institute) R892-89 and the manufacturer's specifications. ☐
5. Tanks and piping tested for tightness after installation in accordance with NFPA 30(87) and PEI/RP100-87. ☐
6. Monitoring well(s) or other leak detection devices installed and tested in accordance with Section 17-761.640, Florida Administrative Code (F.A.C.) ☐
7. Spill and overfill protection devices installed in accordance with Section 17-761.500, F.A.C. ☐
8. Secondary containment installed for tanks and piping as applicable in accordance with Section 17-761.500, F.A.C. ☐

Please Note: The numbers following the abbreviations (e.g. API 1615) are publication or specification numbers issued by these institutions.

Underground Pollutant Tank Removal Checklist

Closure assessment performed in accordance with Section 17-761.800, F.A.C. ☒

Underground tank removed and disposed of as specified in API 1604 in acordance with Section 17-761.800, F.A.C. ☒

Northwest District 160 Governmental Center Pensacola, Florida 32501-5794 904-436-8300
Northeast District 7825 Baymeadows Way, Suite B-200 Jacksonville, Florida 32207 904-756-4700
Central District 3319 Maguire Blvd. Suite 232 Orlando, Florida 32803-3767 407-894-7555
Southwest District 4520 Oak Fair Blvd Tampa, Florida 33610-7347 813-623-5561
South District 2295 Bay St Fort Myers, Florida 33901-2996 813-332-6975
Southeast District 1800 S. Congress Ave., Suite A West Palm Beach, Florida 33406 407-433-2650

DER Form # 17-761.900(5)
Form Title: Underground Storage Tank Installation & Removal Form for Certified Contractor
Effective Date: December 10, 1990
DER Application No. _____ (Filled in by DER)

Certification

I hereby certify and attest that I am familiar with the facility that is registered with the Florida Department of Environmental Regulation; that to the best of my knowledge and belief, the tank installation, replacement or removal at this facility was conducted in accordance with Chapter 489 and Section 376.303, Florida Statutes and Chapter 17-761, Florida Administrative Code (and its adopted reference sources from publications and standards of the National Fire Protection Association (NFPA), the American Petroleum Institute (API), the National Association of Corrosion Engineers (NACE), American Society for Testing and Materials (ASTM); Petroleum Equipment Institute (PEI); Steel Tank Institute (STI); Underwriters Laboratory (UL); and the tank and integral piping manufacturers' specifications; and that the operations on the checklist were performed accordingly.

Roland Boardman
(Type or Print)
Certified Pollutant Tank Contractor Name
Pollutant Storage System Specialty Contractor License Number (PSSSC)

PCC054952
PSSSC Number

Certified Tank Contractor Signature

5-12-95
Date

VERNON McKINNON
(Type or Print)
Field Supervisor Name

7-12-95
Date

Field Supervisor Signature

7-12-95
Date

The owner or operator of the facility must register the tanks with the Department at least 10 days before the installation. The installer must submit this form no more than 30 days after the completion of installation to the Department of Environmental Regulation at the address printed at the top of page one.

INNOVATIVE SERVICES INTERNATIONAL, INC.

COMPLETED CLOSRUE REPORTS:

ENLISTED HOUSING #400
ENLISTED HOUSING #401
ENLISTED HOUSING #402
ENLISTED HOUSING #403
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OFFICER HOUSING UNIT "F"
OFFICER HOUSING UNIT "G"
OFFICER HOUSING UNIT "H"
OFFICER HOUSING UNIT "I"
OFFICER HOUSING UNIT "J"
OFFICER HOUSING UNIT "K"
OFFICER HOUSING UNIT "L"
OFFICER HOUSING UNIT "M"
OFFICER HOUSING UNIT "N"
OFFICER HOUSING UNIT "O"
OFFICER HOUSING UNIT "P"
OFFICER HOUSING UNIT "Q"
OFFICER HOUSING UNIT "R"