

11330 WATER TREATMENT (General)  
(Potable Water SOP)

OPEN

CLOSED

TEMP. SECNAVINST 5212.5B, Part II  
Chap 11, par. 11300(2) 2 years



# Operational Requirements for Water Treatment

THE CONTRACTOR WILL MAINTAIN CORRECT TREATMENT AT ALL TIMES AND MAINTAIN NORMAL LEVELS IN OVERHEAD TANKS AND RESERVOIRS. THE CONTRACTOR WILL PRODUCE SUFFICIENT WATER TO DISTRIBUTION TO MEET SYSTEM DEMAND MAINTAINING ADEQUATE WATER PRESSURE FOR CONSUMPTION, INDUSTRIAL USE, AND FIRE PROTECTION. ALL WATER STORAGE FACILITIES INCLUDING RESERVOIRS AND ELEVATED TANKS WILL BE MAINTAINED AS FOLLOWS: ALL ELEVATED TANKS WATER LEVELS WILL BE MAINTAINED SO THAT WATER LEVELS ARE WITHIN 3 FEET OF OVERFLOW CONTINUOUSLY, ALL RESERVOIR WATER LEVELS WILL BE MAINTAINED SO THAT WATER LEVELS ARE WITHIN 2 FEET OF OVERFLOW CONTINUOUSLY. THESE LEVELS WILL NOT BE CHANGED UNLESS OTHERWISE AUTHORIZED BY THE O.I.C., THE O.I.C. OR HIS REPRESENTATIVE WILL BE NOTIFIED IMMEDIATELY IF SYSTEM PRESSURE OR RESERVOIR LEVELS CANNOT BE MAINTAINED AS A RESULT OF BREAKS, ETC.

THE CONTRACTOR WILL RUN CHEMICAL TESTS TO DETERMINE ALKALINITY, HARDNESS, AND CHLORINE RESIDUALS AT LEAST EVERY TWO HOURS 24 HOURS DAILY AND MORE OFTEN IF NEEDED TO CORRECT TREATMENT PROCESS TO INSURE READINGS MEET ESTABLISHED GUIDELINES AS ESTABLISHED HEREIN. HE WILL RUN TESTS TO DETERMINE p.H., ~~AND~~ FLUORIDE RESIDUALS, STABILITY AND CHLORIDE AT LEAST ONCE PER SHIFT AND MORE OFTEN IF NEEDED TO INSURE READINGS MEET ESTABLISHED GUIDELINES AS ESTABLISHED HEREIN. ALL READINGS WILL BE RECORDED ON APPROPRIATE LOGS ~~AS ATTACHED HERETO IN REFERENCE~~. THE RESULTS OF THESE TESTS WILL BE DELIVERED TO THE O.I.C. BY THE THIRD DAY OF THE FOLLOWING MONTH FOR REVIEW. THIS IS A MINIMUM REQUIREMENT AND MORE FREQUENT CHEMICAL ANALYSIS WILL BE RUN ~~BY THE CONTRACTOR AT HIS EXPENSE~~ IF CONDITIONS WARRANT.

NOTE: ALL PLANTS DO NOT RUN ALL TEST. THE CONTRACTOR WILL ASCERTAIN WHAT TEST ARE RUN AND WHERE.

## QUALITY REQUIREMENTS:

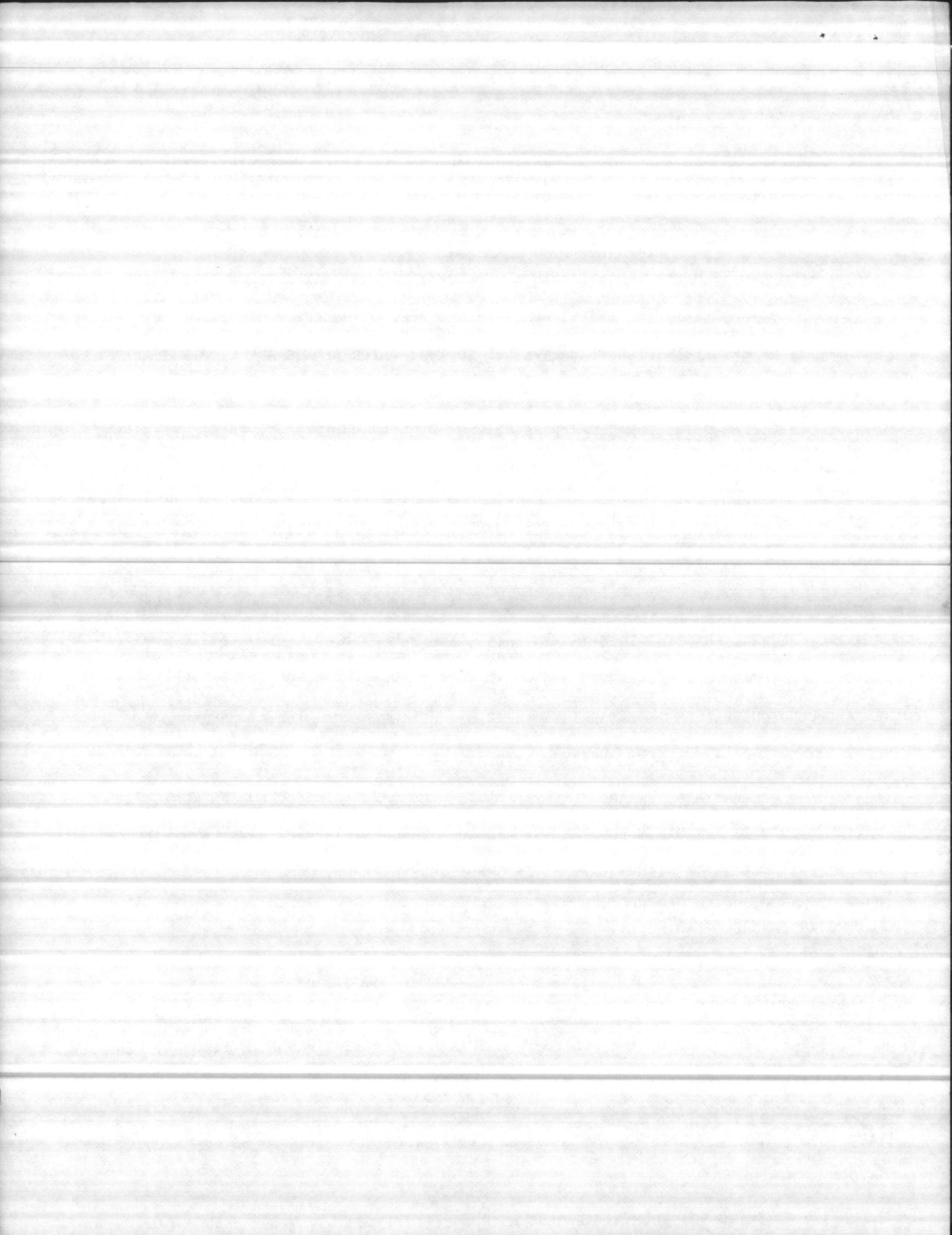
LIME FEED EQUIPMENT WILL BE ADJUSTED TO MAINTAIN A HARDNESS RANGE AS FOLLOWS. THE p/alk. WILL NOT EXCEED one-half total/alk.

BLDG. 20

BLDG. 670 (50 TO 75 P.P.M.) (HARDNESS AS CaCO<sub>3</sub>) (OPTIMUM LEVEL TO BE 60 P.P.M.)

BLDG. AS-110

T.T.-38 (50 TO 90 P.P.M.) (HARDNESS AS CaCO<sub>3</sub>) (OPTIMUM LEVEL TO BE 60 P.P.M.)



QUALITY REQUIREMENTS (CON'T)

ALL WATER TREATMENT PLANTS EXCEPT CAMP JOHNSON, MARINECORPS AIR STATION AND ONSLOW BEACH WILL BE PRE-CHLORINATED WITH A RESIDUAL OF 1.0 P.P.M. FREE AVAILABLE CHLORINE ENTERING PLANT

CAMP JOHNSON, MARINE CORPS AIR STATION, AND ONSLOW BEACH WILL BE CHLORINATED BETWEEN THE PLANT AND TREATED WATER RESERVOIR WITH A RESIDUAL OF 1.0 P.P.M. FREE AVAILABLE CHLORINE.

CHLORINE RESIDUAL IN THE ENTIRE MARINE CORPS BASE DISTRIBUTION WILL BE MAINTAINED BETWEEN 0.2 TO 1.0 P.P.M. FREE AVAILABLE WITH AN OPTIMUM LEVEL OF 0.8 P.P.M. FREE AVAILABLE.

ALL LIME TREATMENT PLANTS WILL MAINTAIN A p.H. LEVEL OF 8.0 TO 9.0

FLUORIDE FEED EQUIPMENT WILL BE ADJUSTED TO MAINTAIN A RESIDUAL OF 0.9 TO 1.2 P.P.M. WITH AN OPTIMUM LEVEL OF 1.0 P.P.M.

RECARBONATION EQUIPMENT WILL BE ADJUSTED TO MAINTAIN STABILITY OF 0.0 TO +0.2 AS PER LANGELIER INDEX.

CHLORIDES WILL NOT EXCEED 200 P.P.M.

~~ALL~~ OTHER REQUIREMENTS AND MAXIMUM CONTAMINANT LEVELS ARE FOUND IN RULES GOVERNING PUBLIC WATER SUPPLIES SECTION .0600 TO .2500 OF THE NORTH CAROLINA ADMINISTRATIVE CODE TITLE 10 PUBLIC LAW 93-523 AND OTHER PERTINENT LAWS AS ESTABLISHED.

POLYPHOSPHATE WILL BE FED AT MONTFORD POINT AND COURTHOUSE BAY WATER TREATMENT PLANTS TO MAINTAIN 1.0 P.P.M. ORTHO-PHOSPHATE RESIDUAL IN DISTRIBUTION SYSTEM.

*zeolite) Softening equip. will be adjusted + maintained to insure hardness is between 50 to 75 p.p.m as CaCO<sub>3</sub>. optimum will be 60 p.p.m as CaCO<sub>3</sub>.*

THE CONTRACTOR WILL MAINTAIN CHEMICAL STORAGE TANKS AND SUPPLIES INSURING AN ADEQUATE SUPPLY IS ALWAYS AVAILABLE FOR WATER TREATMENT. THERE WILL BE NO EXCEPTION TO CHEMICAL PARAMETERS DUE TO CONTRACTORS NOT PROVIDING AN ADEQUATE SUPPLY OF CHEMICALS THEREBY VIOLATING CHEMICAL PARAMETERS AS ESTABLISHED HEREIN.

THE CONTRACTOR IS RESPONSIBLE FOR PURCHASING AND MAINTAINING AN ADEQUATE SUPPLY OF THE FOLLOWING CHEMICALS: QUALITY & STANDARDS ARE AS ESTABLISHED. THE O.I.C. CAN AND WILL ESTABLISH MORE STRINGENT REQUIREMENTS IF CONDITIONS WARRANT.

LIME, CHEMICAL HYDRATED WILL BE VERTICAL KILN ONLY, WHITE AND FLUFFY, CaCO<sub>3</sub>/30%, CaO MINIMUM 72%, .6 mg., DENSITY, 29 LBS PER FT<sup>3</sup>, NOT MORE THAN 1% INSOLUBLES.

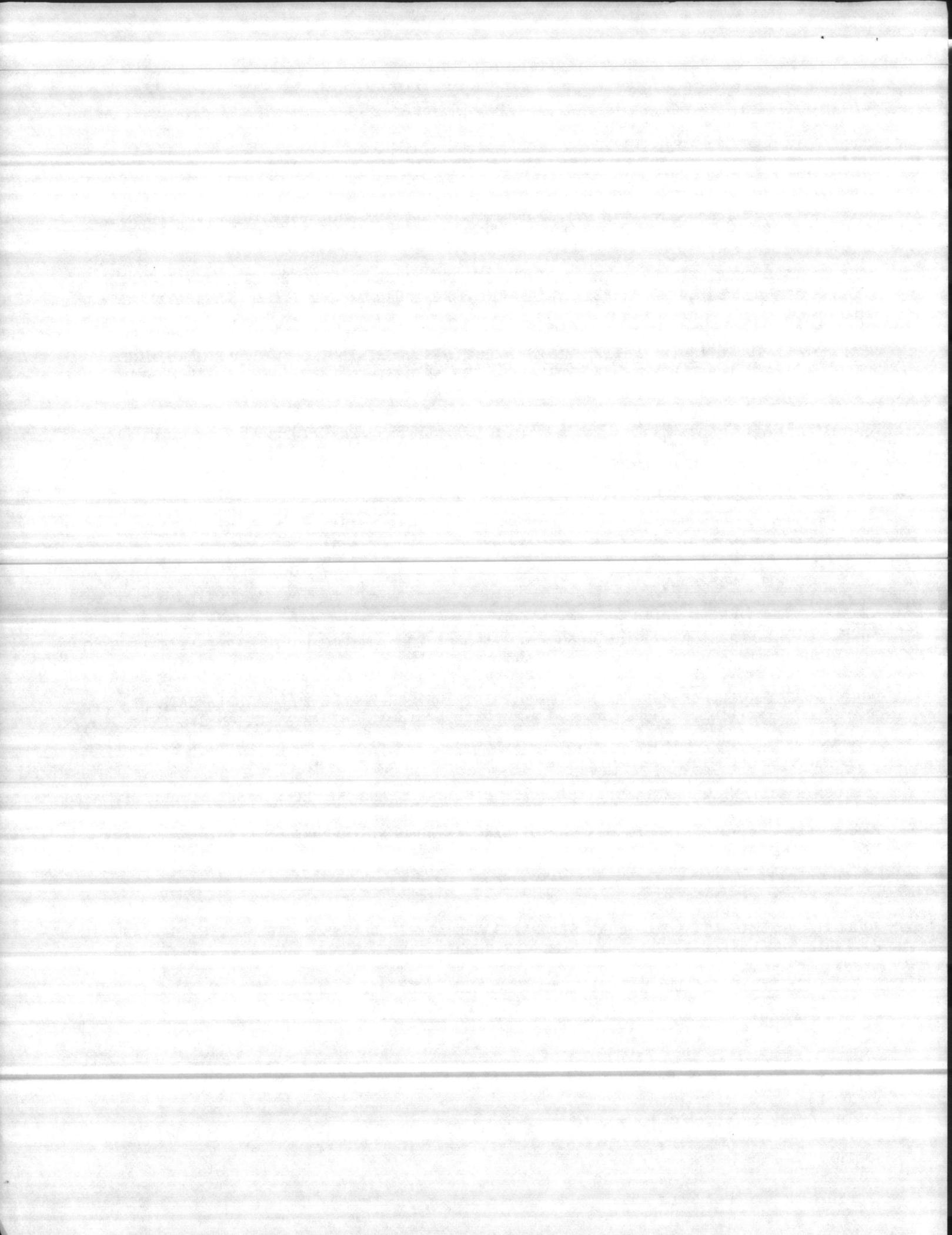
LIME

QUICKLIME, SIZE 1/2", PEBBLE, 93% CaO, SOLUBLES WILL NOT BE MORE THAN 1.46%

SODIUM CHLORIDE, COMMON ROCK SALT

SODIUM FLUORIDE, COARSE, CRYSTAL

LIQUID CAUSTIC SODA, 50%



CHEMICALS (CON't)

CHLORINE, BULK AND BOTTLED, GAS PURITY WILL BE 99.8% PURE

HELLIGE DPD#1 TABLETS

MURIADIC ACID

SAND, MUST BE HYDRO#80 OR EQUIVELENT

ALUMINUM SULPHATE

COPPER SULFATE

CALCIUM ~~●~~ HYPOCHLORITE

HYDROCHLORIC ACID

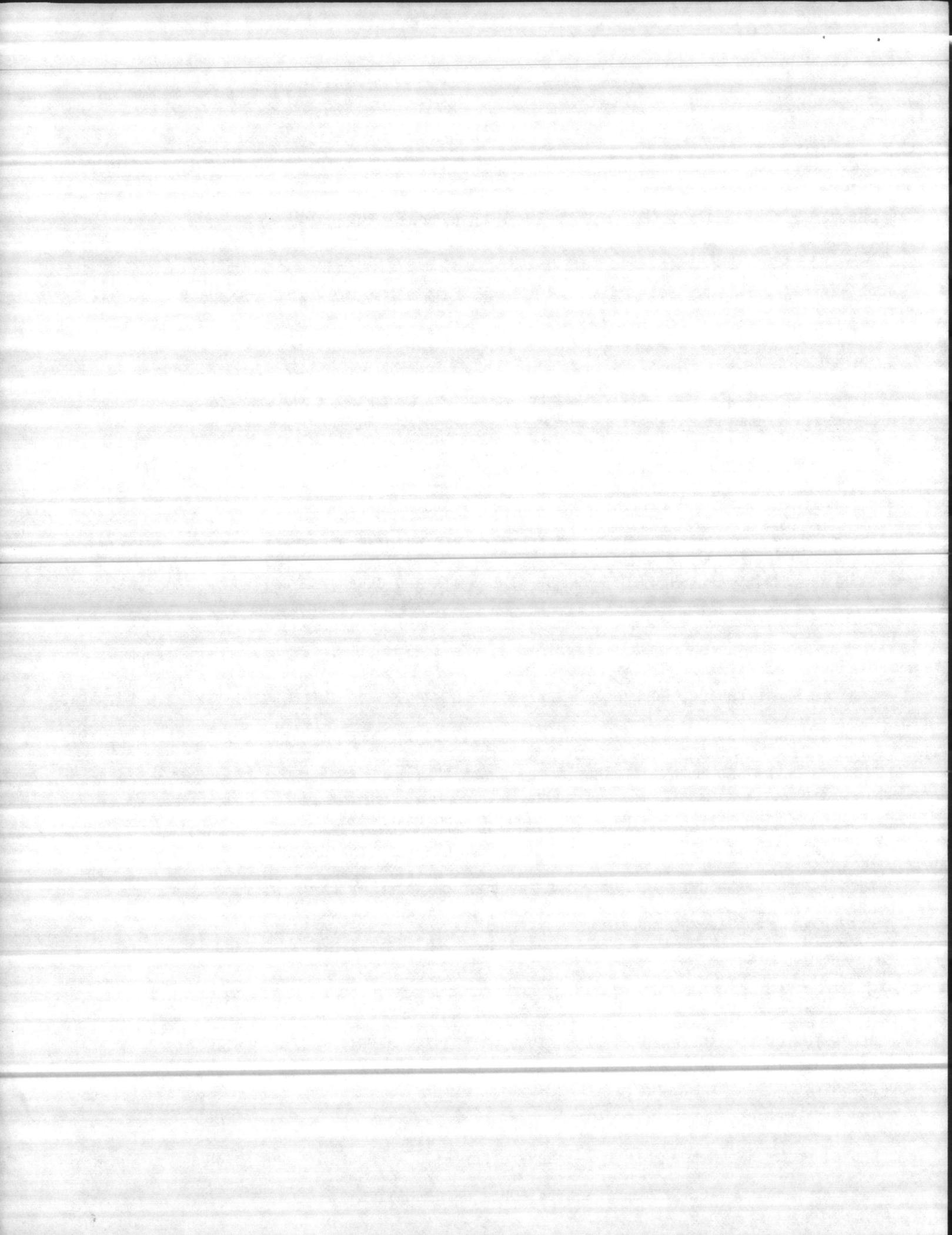
REAGENTS FOR CHEMICAL ANALYSIS ?

THE CONTRACTOR WILL MAINTAIN THE CATALYST LEVELS IN ALL SPIRACTORS BETWEEN 3 AND 6 FEET FROM WATER EFFLUENT. HE WILL REMOVE CATALYST AS NECESSARY TO MAINTAIN THIS STANDARD AND ESTABLISHED LEVELS. HE WILL DRAIN AND CLEAN THE SPIRACTOR REMOVING CALCIUM BUILDUP AND OTHER FOREIGN MATTER FROM THE INFLUENT PIPING EACH 1500 HOURS OF OPERATION WITH THE EXCEPTION OF THE TARAWA TERRACE FACILITY WHICH WILL BE DRAINED AND CLEANED EACH 1000 HOURS OF OPERATION. THE CONTRACTOR WILL REPLINISH EACH SPIRACTOR WITH NEW SAND WHICH WILL BE HYDRO#80 OR EQUIVELENT AS PER THE FOLLOWING, HADNOT POINT, HOLCOMB BLVD, AND TARAWA TERRACE - 120 CUBIC FEET EACH SPIRACTOR, MARINE CORPS AIR STATION - 300 CUBIC FEET EACH SPIRACTOR. IN ADDITION THE CONTRACTOR WILL ROD OUT THE LIME INDUCTION PORT TO EACH SPIRACTOR WEEKLY REMOVING CALCIUM AND LIME BUILDUP. THIS IS A MIMUMUM STANDARD AND MORE FREQUENT CHANGING OF CATALIST TO SPIRACTORS MAY BE REQUIRED ~~AT THE CONTRACTORS EXPENSE~~ IF CONDITIONS WARRANT.

THE CONTRACTOR WILL BACKWASH ALL FILTERS (PRESSURE AND RAPID SAND (OPEN)) AS INDICATED BELOW FOLLOWING MANUFACTURES DIRECTIVES OR PRESENT OPERATING INSTRUCTIONS. HE WILL RECORD TIME OUT OF SERVICE, TIME WASHED, MINUTES WASHED, AND TIME BACK IN SERVICE ON APPROPRIATE LOG.

HADNOT POINT AND HOLCOMB BLVD. - ALL FILTERS EACH 48 HOURS OF OPERATION

TARAWA TERRACE - ALL FILTERS EACH 24 HOURS OF OPERATION OR MORE OFTEN IF CONDITIONS WARRANT TO MAINTAIN FLOW CAPACITY



MCAS - ALL FILTERS EACH 24 HOURS OF OPERATION

RIFLE RANGE - ALL FILTERS EACH 24 HOURS OF OPERATION

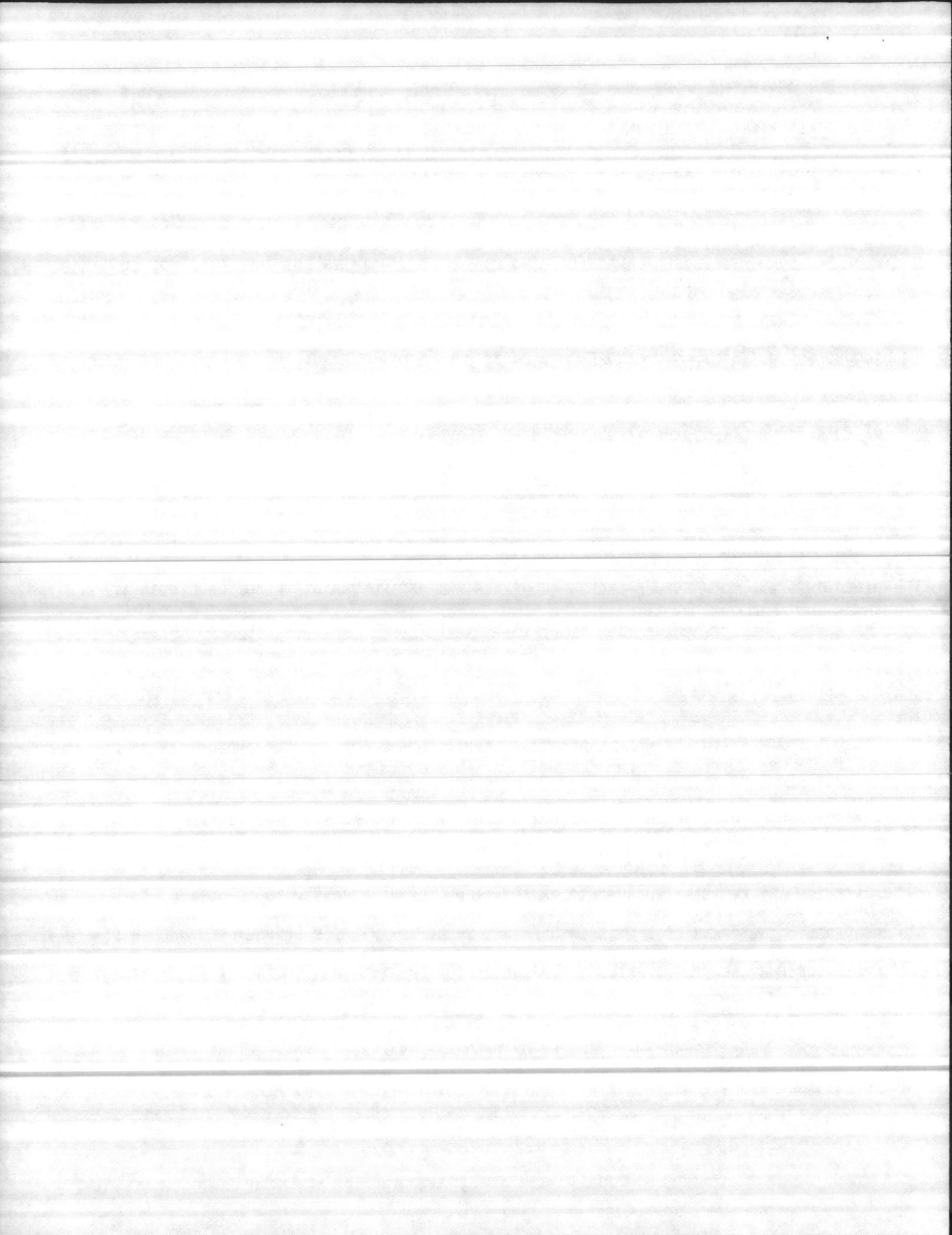
COURTHOUSE BAY - ALL FILTERS EACH 24 HOURS OF OPERATION

ONSDOW BEACH - FILTERS BACKWASH AUTOMATIC DUE TO AMOUNT OF WATER FILTERED DAILY.  
FILTERS BACKWASH EACH 90,000 GALLONS - THESE SETTINGS WILL NOT BE  
CHANGED WITHOUT APPROVAL OF THE O.I.C.

THIS IS A MINIMUM REQUIREMENT AND MORE FREQUENT BACKWASHING OF FILTERS WILL BE  
ACCOMPLISHED ~~AT THE CONTRACTORS EXPENSE~~ IF CONDITIONS WARRANT.

WATER SOFTENERS (PRESSURE) (ZEOLITE) WILL BE OPERATED TO DELIVER A <sup>ZERO</sup>(0) HARDNESS WATER  
AS CaCO<sub>3</sub>, <sup>AT SOFTENER</sup> ~~TO~~ THE EFFLUENT. UNDER NO CIRCUMSTANCES SHOULD THE HARDNESS EXCEED 30  
P.P.M. AS CaCO<sub>3</sub> PRIOR TO REGENERATION. THE CONTRACTOR WILL OBSERVE CLOSELY THE  
REGENERATION PROCESS TO INSURE SOFTENER REGENERATION AND OPERATION IS PER MANUFACTURES  
DIRECTIVES AND TO PRECLUDE EXCESS CHLORIDES ENTERING THE DISTRIBUTION SYSTEM AT  
ANY TIME. THE CONTRACTOR WILL REGENERATE SUBJECT SOFTENERS MORE FREQUENT ~~AT HIS EXPENSE~~  
IF CONDITIONS WARRANT INSURING WATER QUALITY AND QUANTITY STANDARDS ARE ALWAYS MET.

THE CONTRACTOR WILL CHANGE ALL CHARTS TO ALL TELEMETERING AND PRESSURE MEASURING EQUIPMENT  
AS REQUIRED. DAILY CHARTS WILL BE CHANGED DAILY AND WEEKLY CHARTS CHANGED WEEKLY.  
THE CONTRACTOR WILL RECORD AND REPORT ALL WATER FLOW READINGS, TOTALIZER READINGS,  
PRESSURE READINGS, AS REQUIRED ON APPROPRIATE LOGS, THIS INCLUDES TOTALIZERS ON  
SOFTENERS AND FILTERS AND SUBJECT INFORMATION WILL BE REPORTED TO THE O.I.C. AS  
REQUIRED. THE CONTRACTOR WILL INSURE THAT THERE IS AN AMPLE SUPPLY OF NEW CHARTS  
AVAILABLE FOR ALL TELEMETERING AND PRESSURE EQUIPMENT. THE CONTRACTOR WILL WEIGH  
AND RECORD THE AMOUNT OF CHLORINE USED AT ALL PLANTS DAILY. THE CONTRACTOR WILL  
INSURE THAT THERE IS AN AMPLE SUPPLY OF CHLORINE AVAILABLE AND THAT THE CHLORINE IS  
NEVER EXHAUSTED AT ANY FACILITY UNDER HIS COGNISANCE. ~~THERE WILL BE NO EXCEPTION UNLESS~~  
~~APPROVAL IS GRANTED BY THE O.I.C.~~



TANK CLEANING

BETENTION TANKS AND AERATORS WILL BE CLEANED BY DRAINING TANKS AND HOSING DIRT, OIL, GREASE, AND ACCUMULATED FOREIGN MATERIAL WEEKLY AND SUBJECT CLEANING TIME AND DATE INCLUDED ON APPROPRIATE LOGS.

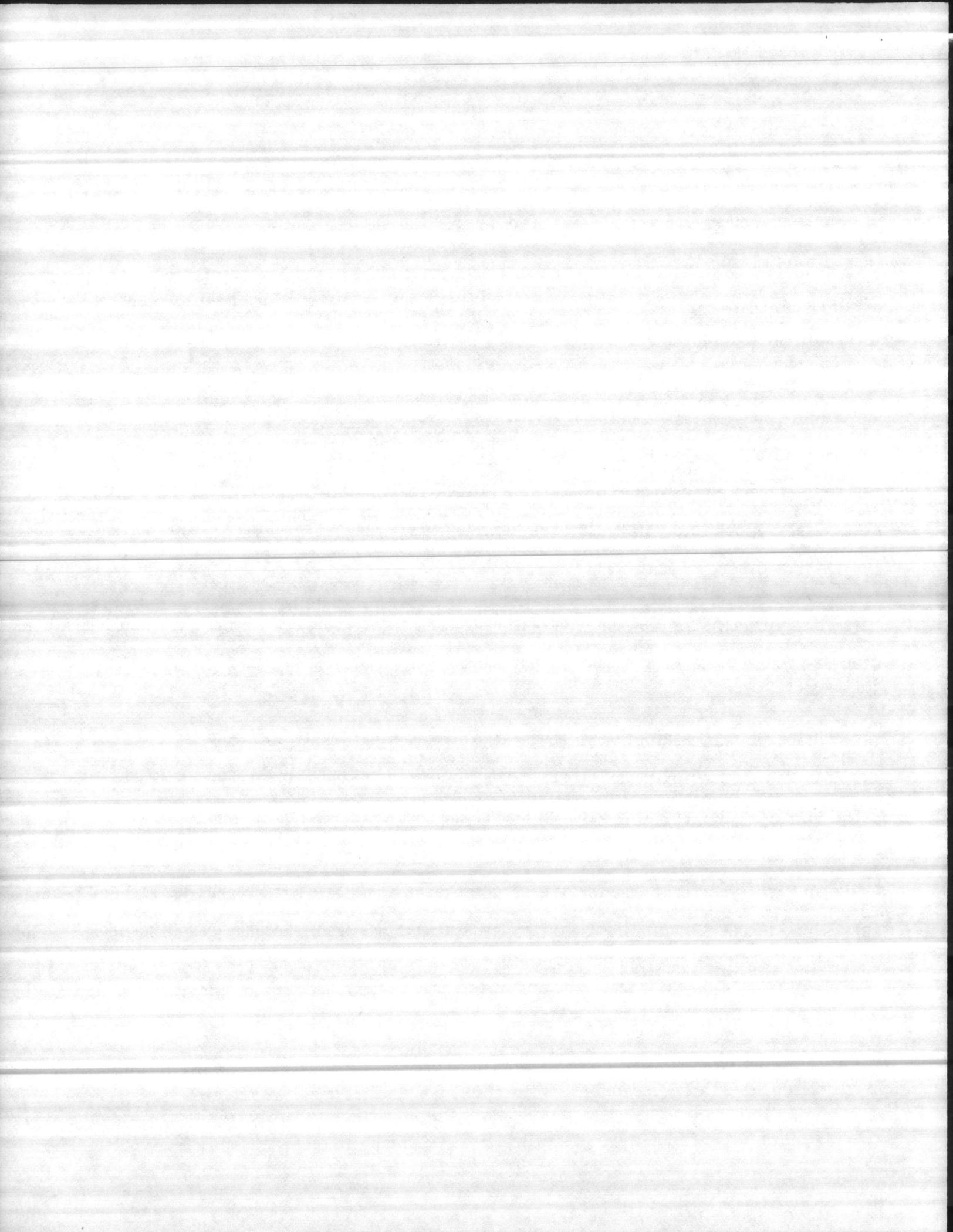
THE CONTRACTOR WILL DRAIN AND CLEAN THE RAW WATER RESERVOIR AT HADNOT POINT YEARLY TO REMOVE GREASE, GRIME AND RUST AND OTHER ASORTED FOREIGN MATTER. HE WILL INSURE THAT THE HADNOT POINT TREATMENT PLANT REMAINS IN CONTINUOUS OPERATION DURING THIS CLEANING. THE BYPASSING OF THE RAW WATER RESERVOIR WILL <sup>REQUIRE RELOCATING</sup> ~~BE ACCOMPLISHED BY THE~~ *POINT OF APPLICATION FOR CHLORINE.* ~~CONTRACTOR AT HIS EXPENSE.~~

THE CONTRACTOR WILL REMOVE ALL DEBRIS AND OTHER FOREIGN MATTER SUCH AS RUST, GRIME, GREASE, DIRT, SAND ETC. FROM THE SEDIMENTATION BASIN LOCATED AT HADNOT POINT WATER TREATMENT FACILITY YEARLY.

THIS IS A MINIMUM STANDARD AND MORE FREQUENT CLEANING OF SUBJECT TANKS, PITS AND RESERVOIRS WILL BE ACCOMPLISHED ~~AT THE CONTRACTORS EXPENSE~~ IF CONDITIONS WARRANT

*This is Distribution?*  
THE CONTRACTOR WILL PERIODICALLY FLUSH RANDOM FIRE HYDRANTS AT THE CAMP KNOX, T.T., AND MCAS FACILITIES TO INSURE PROPER CHLORINE RESIDUALS AND A CLEAR AND PALATABLE WATER SUPPLY. THIS FLUSHING WILL BE WEEKLY OR MORE OFTEN IF CONDITIONS WARRANT.

UNMANNED WATER TREATMENT PLANTS WILL BE CHECKED AT A MINIMUM 2 TIMES PER SHIFT, 3 SHIFTS PER 24 HOURS. THIS IS A MINIMUM REQUIREMENT AND MORE FREQUENT CHECKING OF SUBJECT PLANTS WILL BE REQUIRED ~~AT THE CONTRACTORS EXPENSE~~ <sup>AS</sup> ~~IF~~ CONDITIONS WARRANT.

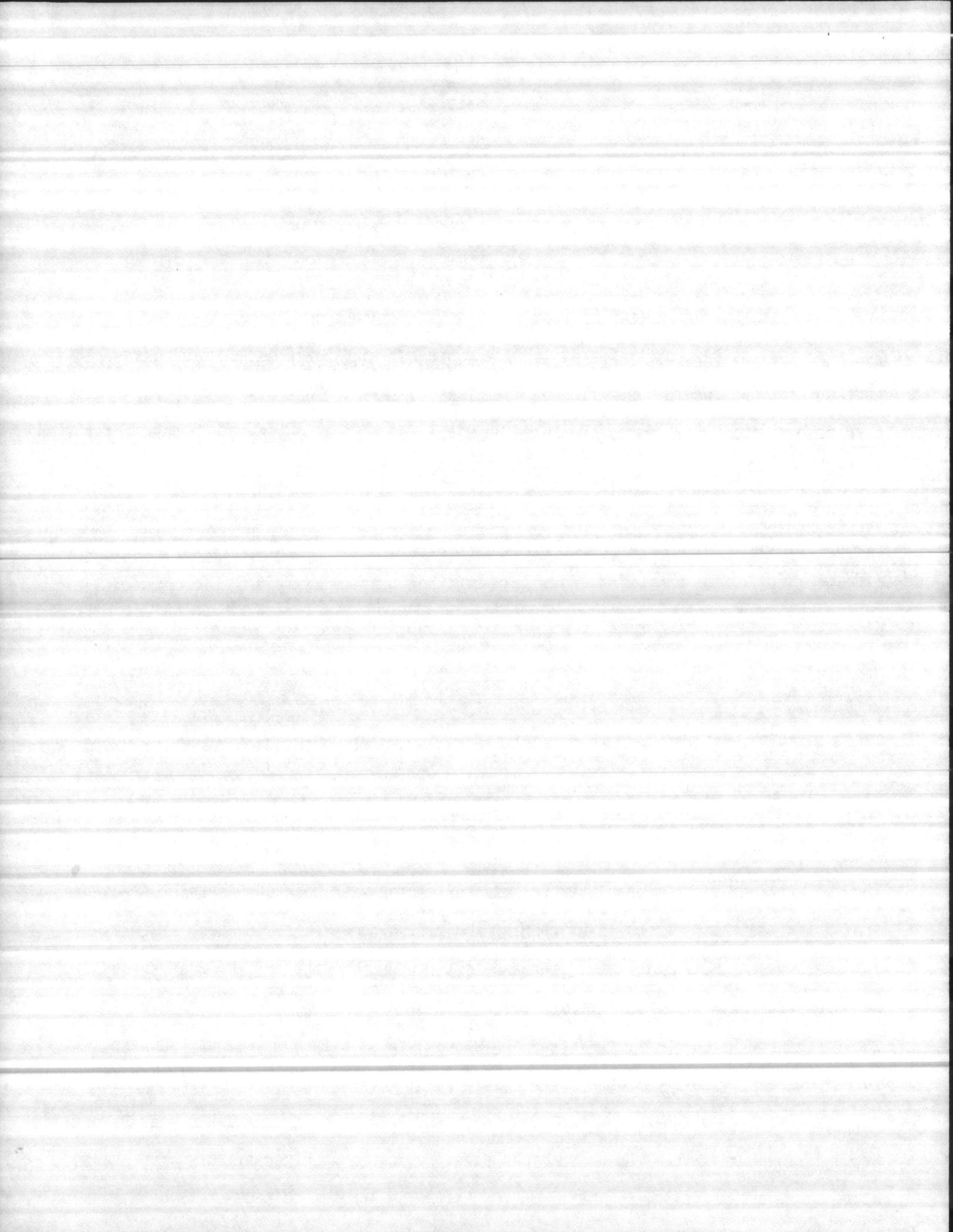


## AUXILIARY EQUIPMENT "

THE CONTRACTOR WILL TEST RUN ALL PLANTS AUXILIARY EQUIPMENT (INCLUDING AUXILIARY MOTORS AND GENERATORS) ON MONDAYS, WEDNESDAYS AND FRIDAYS WEEKLY. THESE WILL BE TEST RUN UNDER LOAD TO INSURE PROPER OPERATION. THEY WILL BE TEST RUN FOR A MINIMUM OF 30 <sup>MI</sup> ~~MINUTES~~ AND THE RESULTS OF TEST RUN WILL BE RECORDED ON APPROPRIATE LOGS. PRIOR TO RUNNING THE CONTRACTOR WILL CHECK EQUIPMENT FOR PROPER OIL LEVELS, WATER LEVELS, ETC. DURING THE OPERATION OF AUXILIARY EQUIPMENT CLOSE OBSERVATION TO OPERATING TEMPERATURES, EXCESSIVE NOISE OR VIBRATION WILL BE OBSERVED AND CORRECTIVE ACTION TAKEN BY THE CONTRACTOR TO PROTECT SUBJECT EQUIPMENT TO INSURE IT IS IN PROPER OPERATING CONDITION. THIS IS A MINIMUM STANDARD AND MORE FREQUENT OPERATION OF SUBJECT EQUIPMENT WILL BE ACCOMPLISHED ~~BY THE CONTRACTOR AT HIS EXPENSE~~ <sup>AS</sup> ~~IF~~ CONDITIONS WARRANT.

## CLEANING

THE CONTRACTOR WILL MAINTAIN THESE FACILITIES, EQUIPMENT, BUILDING AND GROUNDS CLEAN AND FREE OF CLUTTER, DEBRIS OR OTHER UNSIGHTLY MATTER. IN ADDITION THE CONTRACTOR WILL SWEEP (REMOVING DEBRIS AND OTHER MATTER), FROM ALL FLOORS AND DECKS DAILY. THE CONTRACTOR WILL STRIP, WAX AND BUFF (WITH SUITABLE ELECTRICAL BUFFING EQUIPMENT) INSTILLING LUSTURE AND SHINE TO ALL TILED FLOORS WEEKLY. THE CONTRACTOR WILL HOSE DOWN SPIRATOR PORCHES, PUMP ROOMS, SPIRATOR ROOMS, LIME PUMPING AND MIXING ROOMS PIPE GALLERY, FILTRATION AND SOFTENING ROOMS DAILY. THIS STANDARD IS A MINIMUM REQUIREMENT AND MORE FREQUENT CLEANING WILL BE ACCOMPLISHED BY THE CONTRACTOR ~~AT HIS EXPENSE~~ <sup>AS</sup> ~~IF~~ CONDITIONS WARRANT. THE CONTRACTOR WILL IN ADDITION CLEAN ALL WINDOW SILLS, BATHROOMS, SINKS, SHOWERS, TOILETS, ETC TO REMOVE COB WEBS, SCUM, DIRT, GRIME, GREASE, AND OTHER FOREIGN MATTER DAILY. THIS IS A MINIMUM STANDARD AND CLEANING REQUIREMENTS WILL BE ACCOMPLISHED MORE FREQUENTLY <sup>AS</sup> ~~IF~~ CONDITIONS WARRANT, ~~AT THE CONTRACTORS EXPENSE~~. UNDER NO CIRCUMSTANCES WILL ALGAE, DIRT, SCUM, DEBRIS, SAND, OR OTHER FOREIGN MATTER BE ALLOWED TO ACCUMULATE OR REMAIN ON PIPES, DECKS, OR EQUIPMENT AND WILL BE PROMPTLY REMOVED AND SUBJECT AREA CLEANED BY THE



CONTRACTOR.

MOWING

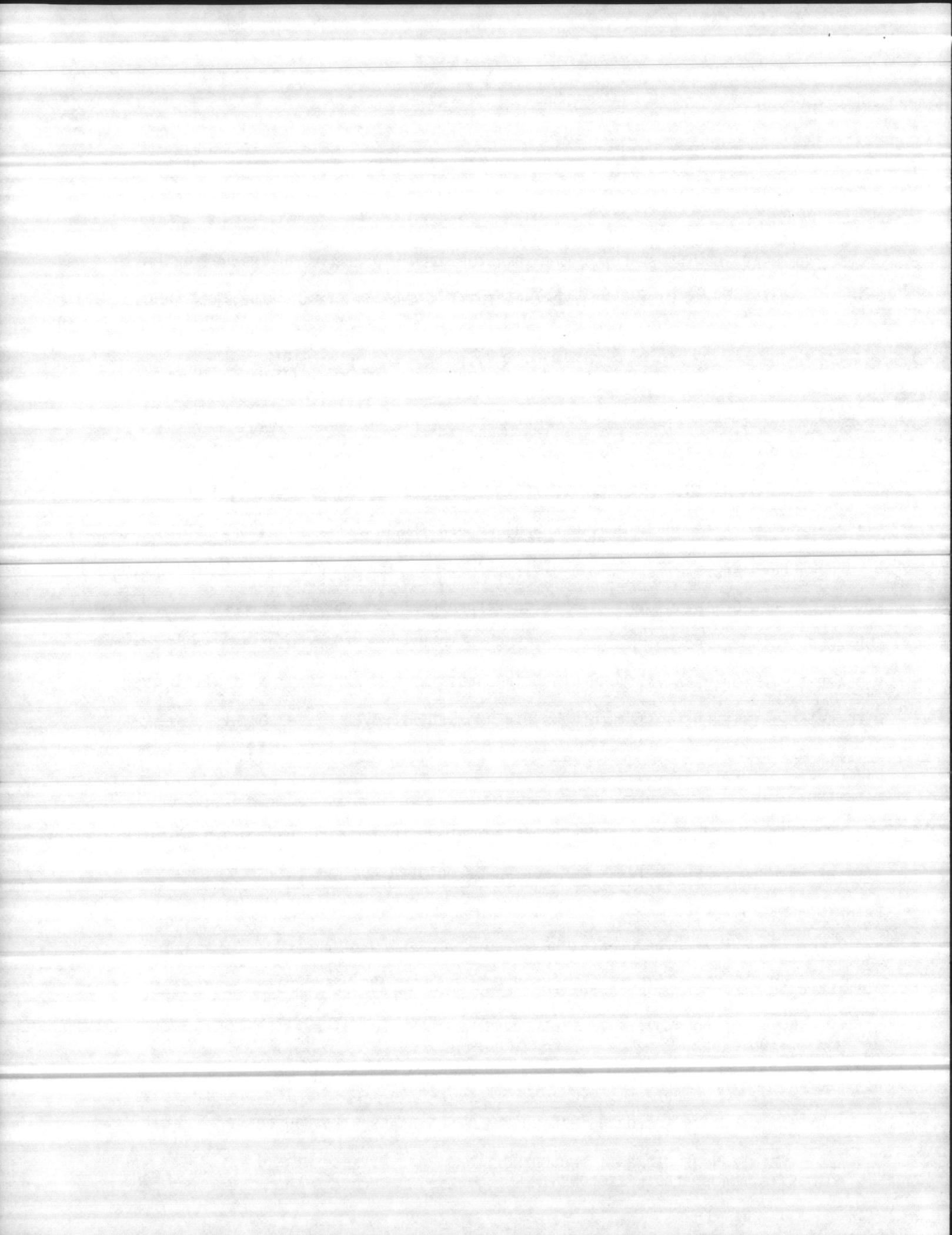
DURING THE GRASS MOWING SEASON THE CONTRACTOR WILL MOW ALL GRASS INSIDE THE FENCE WHICH ENCOMPASSES THE WATER TREATMENT FACILITIES AND A TWO FOOT WIDE AREA AROUND THE ENTIRE OUTSIDE PERIMETER OF THE FENCE WEEKLY. THE CONTRACTOR WILL ALSO REMOVE DURING THE MOWING OPERATION GRASS AND ANY OTHER VEGETATION WHICH MAY GROW UP AROUND RESERVOIRS, BUILDING, BUSHES, MANHOLES, VALT PITS, FENCES OR OTHER <sup>STRUCTURES</sup> OBSTRUCTIONS BY ~~WEEDING AROUND AND/OR UNDER THESE OBSTRUCTIONS WHERE THE GRASS MOWING EQUIPMENT CANNOT REACH~~ MAINTAINING THIS FACILITY IN A WELL MANICURED STATE. THIS IS A MINIMUM STANDARD <sup>BUT MAY BE MORE FREQUENT IF CONDITIONS WARRANT.</sup> ~~AND MORE FREQUENT MOWING AND/OR WEEDING WILL BE REQUIRED BY THE CONTRACTOR AT HIS EXPENSE IF CONDITIONS WARRANT.~~

~~AT THE CONTRACTORS DISCRETION A 6" WIDE PATH AROUND THE PERIMETER FENCE MAY BE TREATED FOR WEEDS USING APPROVED WEED KILLER. UNDER NO CIRCUMSTANCES WILL THE CHEMICAL USED VIOLATE E.P.A. OR BASE ENVIRONMENTAL STANDARDS AND THE APPLICATION OF THESE CHEMICALS WILL BE ADMINISTERED BY STATE LICENSED PERSONNEL APPROVED BY THE O.I.C.~~

PAINTING

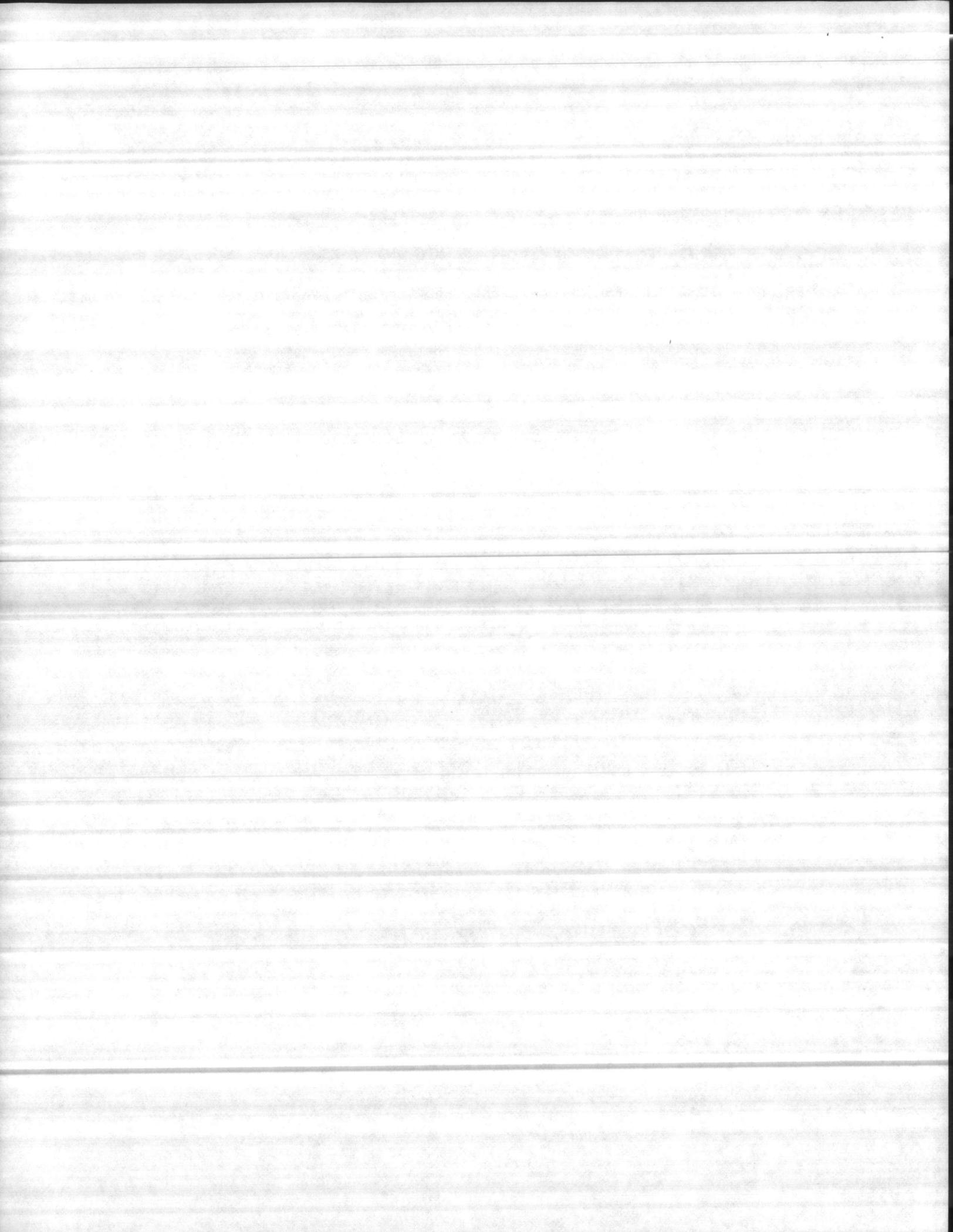
THE CONTRACTOR IS RESPONSIBLE FOR PAINTING THE FOLLOWING EQUIPMENT. THIS EQUIPMENT WILL BE PAINTED YEARLY BETWEEN THE MONTHS OF OCTOBER AND APRIL. NEED TO INCLUDE PAINTING SPEC'S. ?

1. ALL FILTERS INCLUDING HAND RAILS THERETO (INSIDE FILTER PIPING EXCLUDED)
2. ALL HIGH LIFT PUPPS AND ASSORTED PIPING AND VALVES, PUMP BASES AND MOTORS THERETO.
3. ALL RAW WATER BOOSTER PUMPS (INCLUDING LOW LIFT PUMPS) AND ASSORTED PIPING, VALVES, MOTORS AND BASES.
4. ALL WASH WATER PUMPS, INCLUDING PIPING, VALVES MOTORS AND BASES.
5. ALL PIPE GALLERY'S INCLUDING PIPING, VALVES AND ASSORTED EQUIPMENT.
6. ALL LIME MIXING EQUIPMENT, INCLUDING TANKS, AND PIPING THERETO INCLUDING VALVES, MOTORS (STORAGE SILO'S EXCLUDED)



PAINTING(CON'T)

7. ALL LIME PUMPING EQUIPMENT AND ASSORTED PIPING AND VALVES, INCLUDING PUMPS AND MOTORS AND PUMP BASES.
8. ALL FILTER PUMPS, AND ASSORTED PIPING, VALVES AND BASES.
9. ALL PRESSURE TYPE FILTERS AND SOFTENERS, ASSOCIATED PIPING, VALVES, CONTROLS.
10. ALL PIPING TO AND FROM FILTERS AND SOFTENERS INCLUDING VALVES.
11. ALL SAND EDUCTORS INCLUDING PIPING AND VALVES.
12. ALL HANDRAILS INSIDE AND OUTSIDE ALL BUILDINGS.
13. ALL BACKWASH TANKS AND LAGOON PUMPS INCLUDING VALVES AND PIPING AND ASSORTED EQUIPMENT.



## SWIMMING POOL OPERATION

ALL SWIMMING POOLS WILL BE OPERATED BY THE CONTRACTOR AND CHECKED TWO TIMES EACH SHIFT, 2 SHIFTS PER 24 HOURS. POOLS WILL BE CHECKED AT THE BEGINNING AND AT THE END OF THE SHIFTS. SWIMMING POOLS WILL BE CHECKED TO MAINTAIN NORMAL OPERATION OF FILTERS, PUMPS, CHLORINATORS, CHEMICAL FEEDERS AND AUTOMATIC OPERATING EQUIPMENT (STRANTROL): THE CONTRACTOR WILL RUN AND RECORD TEST TO DETERMINE CHLORINE RESIDUAL, p.H. ~~AND TEMPERATURE~~ TO DETERMINE (STRANTROL) ACCURACY. THE RESULTS OF THESE TESTS WILL BE RECORDED ON APPROPRIATE LOGS. THIS IS A MINIMUM STANDARD AND MORE FREQUENT CHECKING OF SWIMMING POOLS WILL BE ACCOMPLISHED ~~AT THE CONTRACTORS EXPENSE~~ IF CONDITIONS WARRANT.

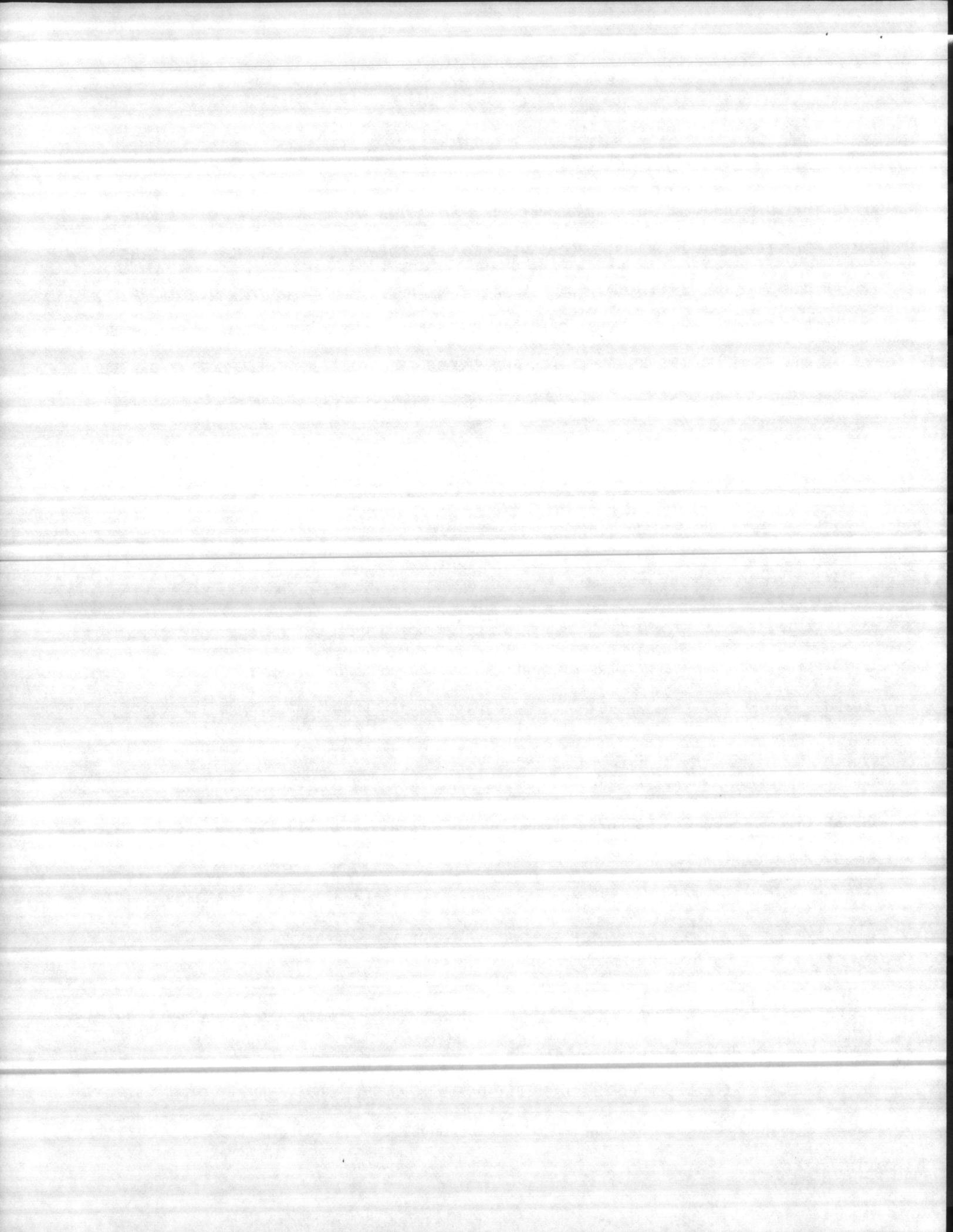
## FILTER BACKWASH

THE CONTRACTOR WILL BACKWASH THE FILTERS IN THE SWIMMING POOLS ON THE FOLLOWING INTERVALS: B-236, Bldg. M-139 AT 400 HOURS OF OPERATION. 500 HOURS OF OPERATION FOR BLDG. 540, 250 HOURS AT BLDG. PP-2615, 48 HOURS OF OPERATION FOR BLDGS AS-709 AND AS-204; 150 HOURS OF OPERATION AT BLDG. TT-20. THE CONTRACTOR WILL NOTIFY THE COMPUTER OPERATOR <sup>BACKWASHING</sup> BEFORE OPERATING AND AFTER POOL IS BACK IN SERVICE. THE CONTRACTOR WILL REMOVE, CLEAN, AND RE-INSTALL STRAINER BASKETS DURING EACH BACKWASH. HE WILL ALSO ADD 4 LBS. OF ALUM ~~ADDED~~ AFTER EACH BACKWASH.

THIS IS A MINIMUM STANDARD AND MORE FREQUENT BACKWASHING OF FILTERS (SWIMMING POOL) WILL BE ACCOMPLISHED ~~AT THE CONTRACTOR EXPENSE~~ IF CONDITIONS WARRANT.

THE CONTRACTOR WILL ALSO ADD MAKE-UP WATER AS REQUIRED TO MAINTAIN NORMAL POOL LEVELS WHICH ARE 2 INCHES BELOW OVERFLOW TROUGH. <sup>EXCEPT DURING SWIM MEETS WHEN POOL WILL BE FILLED TO TOP OF OVERFLOW TROUGHS. THE CONTRACTOR WILL BE CONTACTED BY OIC SPECIAL SERVICES FOR TIME POOL WILL BE FILLED, FILTER PUMP SECURED, ETC.</sup> THE CONTRACTOR WILL CHECK CHEMICAL SUPPLY DAILY TO INSURE SUFFICIENT QUANTITY TO

PRECLUDE RUNNING OUT: THIS INCLUDES CHLORINE, CAUSTIC SODA, COPPER SULFATE, AND MURATIC ACID.

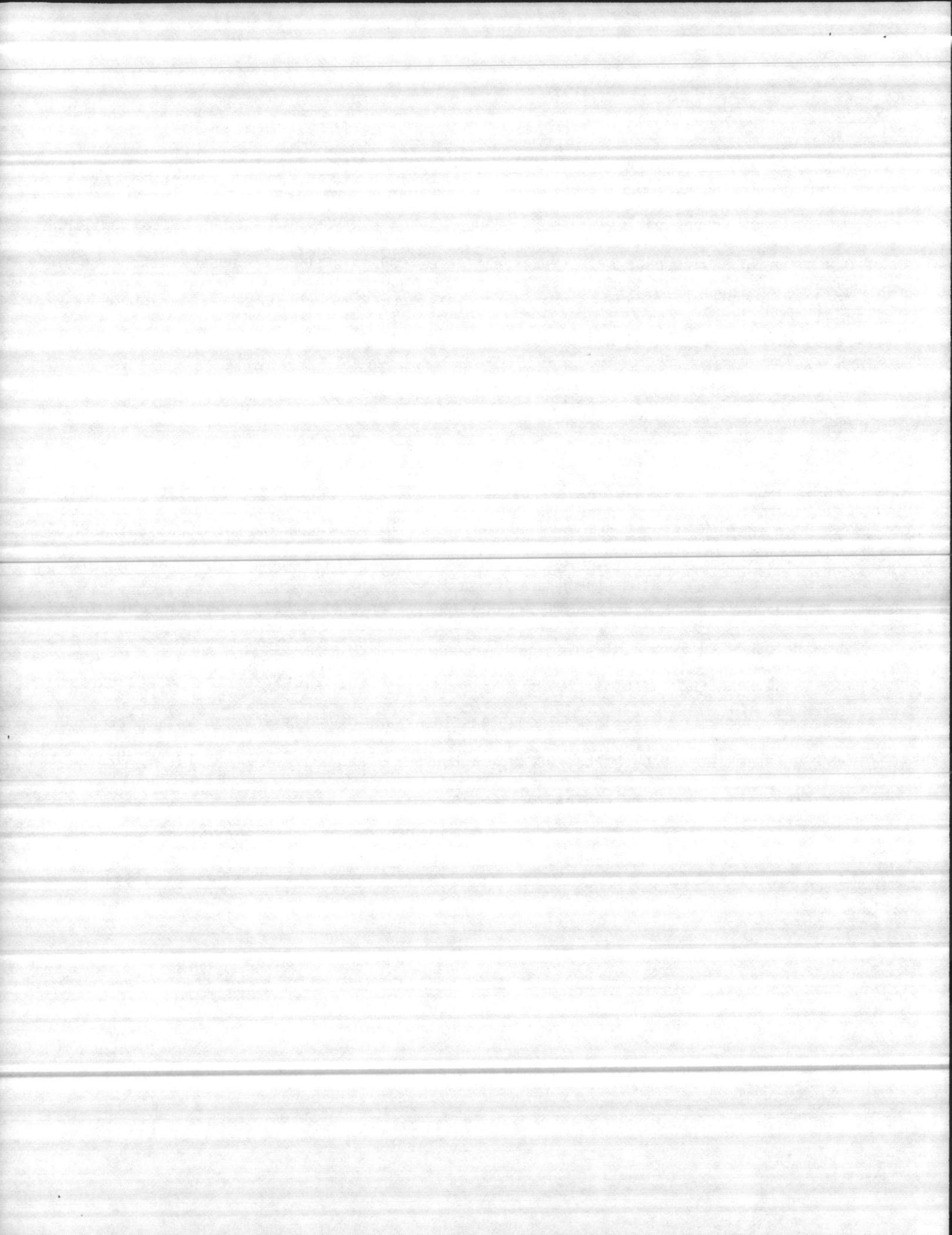


SWIMMING POOLS OPERATION (CON'T)

THE CONTRACTOR WILL ADD COPPER SULPHATE ONE TIME EACH MONTH ON THE FIRST, AFTER POOLS HAVE BEEN SECURED FOR THE DAY. POOLS SHOULD HAVE A MINIMUM OF 10 HOURS DETENTION TIME BEFORE SWIMMING ~~CAN BE DONE~~ AFTER THE ADDITION OF COPPER SULPHATE. DOSAGE WILL NOT EXCEED THE FOLLOWING: 4 LBS. EACH AT BLDGS 236, 540, M-139: 2 LBS. EACH AT BLDGS. PP-2615, AS-204, TT-20; 1½ LBS EACH AT BLDG. AS-709.

FILTER ROOM CLEANING

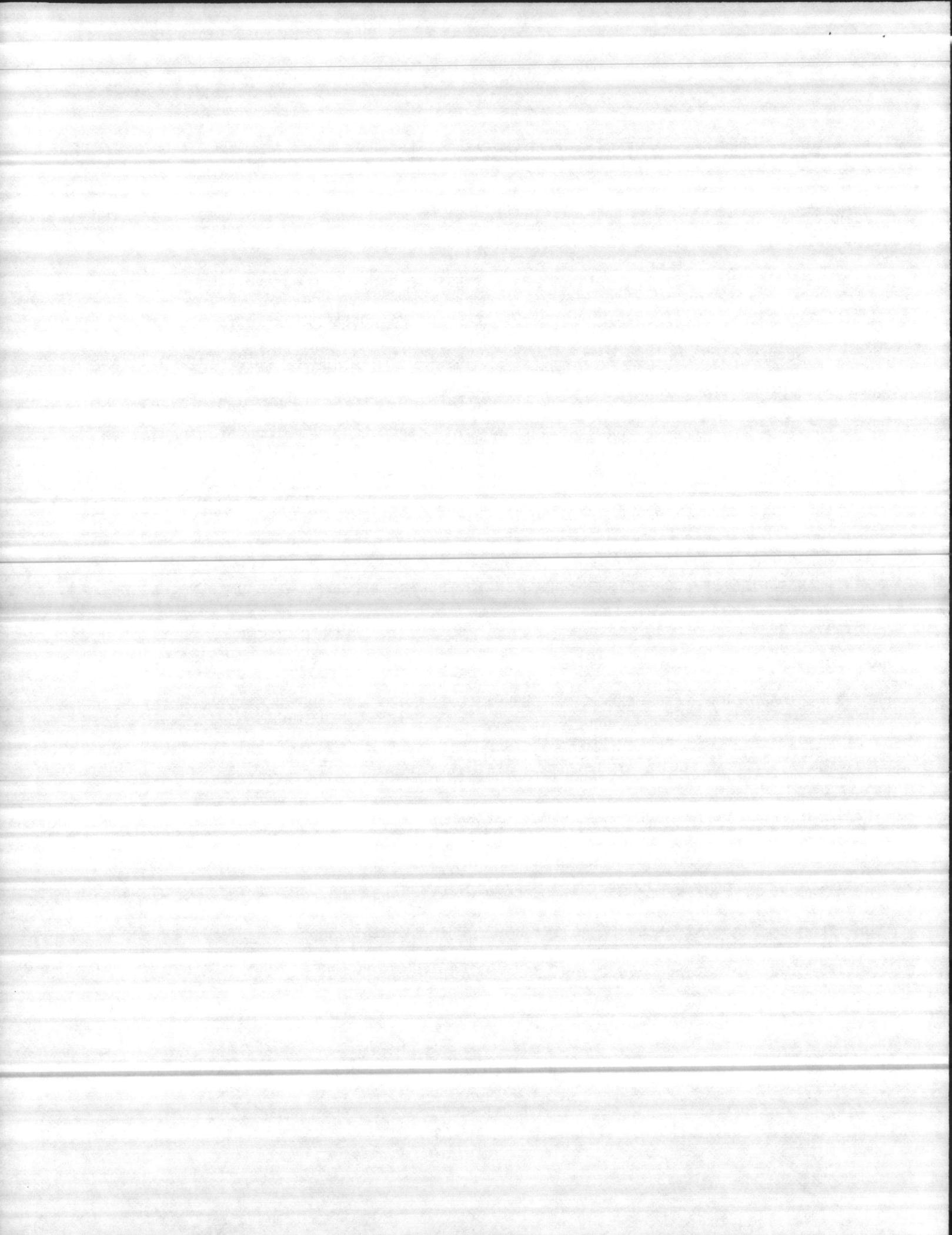
THE CONTRACTOR WILL MAINTAIN THESE FACILITIES, EQUIPMENT, BUILDINGS AND GROUNDS CLEAN AND FREE OF CLUTTER, DEBRIS OR OTHER UNSIGHTLY MATTER. GROUNDS ONLY INCLUDE ENTRANCE TO AND AROUND FILTER ROOMS. IN ADDITION THE CONTRACTOR WILL SWEEP ALL FLOORS TO SWIMMING POOL FILTER ROOMS TWICE WEEKLY REMOVING COB WEBS, SCUM, DIRT, GRIME, GREASE, AND OTHER FOREIGN MATTER. THIS IS A MINIMUM STANDARD AND CLEANING REQUIREMENTS WILL BE ACCOMPLISHED MORE FREQUENTLY IF CONDITIONS WARRANT, ~~AT THE CONTRACTORS EXPENSE~~. UNDER NO CIRCUMSTANCES WILL ALGAE, DIRT, SCUM, DEBRIS, SAND, OR OTHER FOREIGN MATTER BE ALLOWED TO ACCUMULATE OR REMAIN ON PIPES, DECKS, OR EQUIPMENT AND WILL BE PROMPTLY REMOVED AND SUBJECT AREA CLEANED BY THE CONTRACTOR.



OPERATION/MAINTENANCE OF WELLS, PUMPS AND ASSOCIATED EQUIPMENT

ALL WELLS WILL BE CHECKED DAILY TO INSURE NORMAL OPERATION, MAINTAIN OIL SUPPLY IN RESERVOIRS AND CORRECT OIL FEED RATE BY THE CONTRACTOR. THE CONTRACTOR WILL ALSO CHECK WELLS FOR CORRECT OPERATION OF BACK PRESSURE VALVES, TAKE AND RECORD STATIC WATER LEVELS MONTHLY (INSURE PUMP IS OFF AT LEAST 24 HOURS PRIOR TO TEST), TAKE PUMPING LEVELS ONCE MONTHLY WITH PUMP IN OPERATION FOR 24 HOURS PRIOR TO TEST. ALL OPERATIONAL FUNCTIONS AND TESTS WILL BE RECORDED ON APPROPRIATE LOG SHEETS. A FOUR HOUR PUMPING TEST WILL BE RUN SEMI-ANNUALLY TO DETERMINE PRESENT PUMPING CAPACITY IN GALLONS PER MINUTE. TEST RESULTS WILL BE USED TO DETERMINE WELL PRODUCTION. IF THE TEST INDICATES PRODUCTION IS DOWN TWENTY-FIVE PER CENT OR MORE THE PUMP WILL BE PULLED FOR REPAIR OR REPLACEMENT, WHICHEVER IS MORE ECONOMICAL. WHILE THE PUMP IS OUT. WELL MAINTENANCE WILL BE ACCOMPLISHED WHICH INCLUDES WIRE BRUSHING WELL SCREENS, ACID CLEANING, PHOSPHATE TREATMENT, WATER AND AIR JETTING, SURGING AND CHLORINATION TO REMOVE ALL FOREIGN MATTER SUCH AS SAND, SILT, RUST ETC. THAT CAUSED DECREASED WELL PRODUCTION. AFTER WELL AND PUMP MAINTENANCE HAS BEEN ACCOMPLISHED AND PUMP RE-INSTALLED, PUMPING TEST WILL BE ACCOMPLISHED TO DETERMINE NEW CAPACITY. PUMPING LEVELS IN ALL WELLS WILL BE MAINTAINED AT 10 FEET ABOVE TOP SCREEN OR HIGHER, ALL MAINTENANCE, REPAIRS, TREATMENT, WILL BE RECORDED FOR FUTURE REFERENCE.

THE ATTACHED LIST OF WELLS WILL BE CHECKED DAILY. ALSO RECORDED AT THE WELLS PRESENTLY PUMPING MORE THAN 25% BELOW CAPACITY: SOME OF THE MARINE CORPS AIR STATION PUMPS WILL REQUIRE HIGHER HEAD, SOME WE DO NOT HAVE ORIGINAL INFORMATION



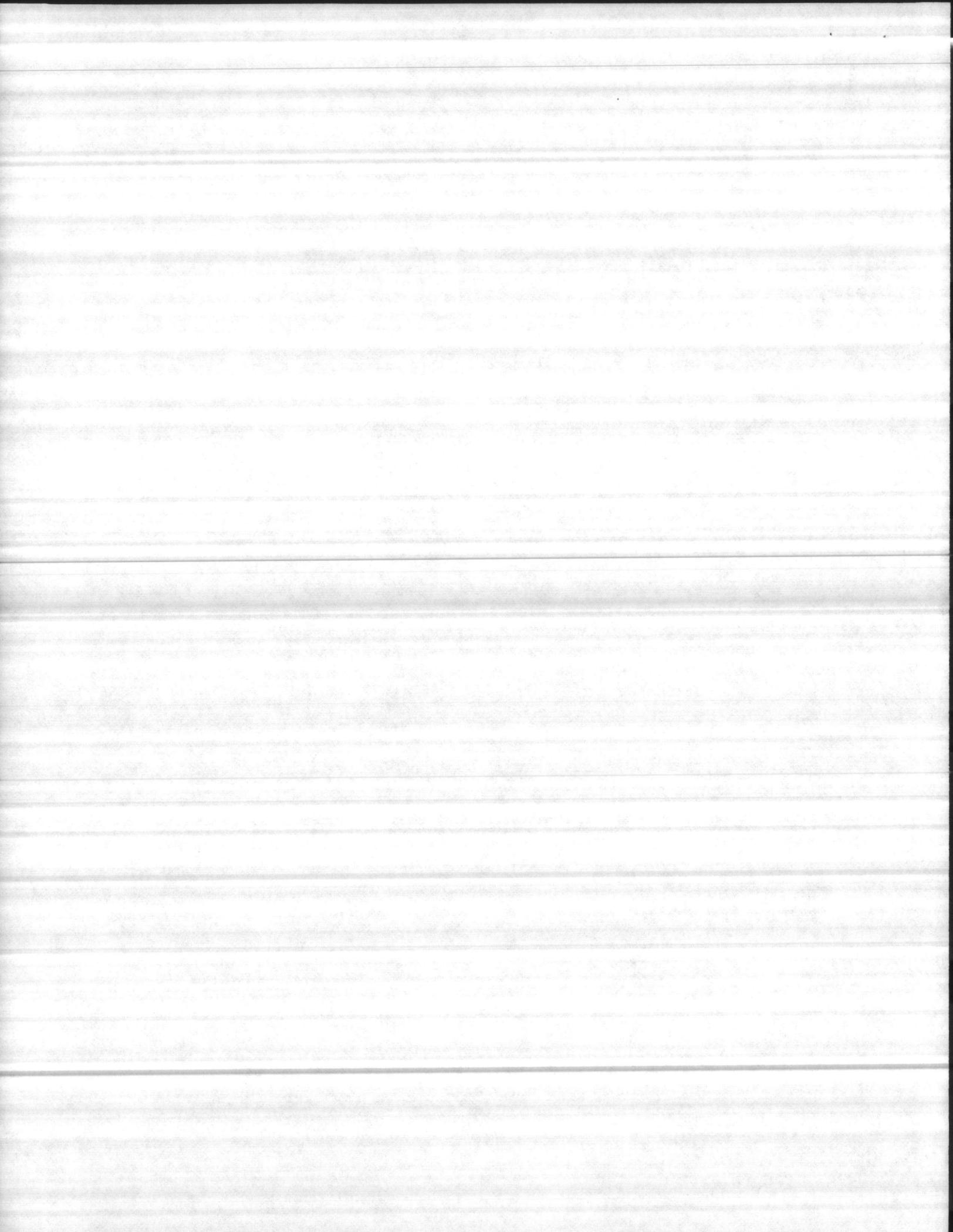
HADNOT POINT - H. P. 20

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610 Undergoing extensive repairs, new capacity not available  
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632 Not producing 25% of original  
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653  
654 Not producing 25% of original  
655  
656 Vom Orde Fish Pond  
LCH-4007 Not producing 25% of original

601  
611  
612  
614 Under contract to replace - No. Bldg. # (no info)  
621  
626  
LCH-4006

HOLCOMB BLVD - HP670

643  
644 Not producing 25% of original  
645 " " " "  
646  
645 Not producing 25% of original  
648  
649  
650



TARAWA TERRACE

TT-25  
TT-26 Not producing 25% of original  
TT-30  
TT-31  
TT-52 Not producing 25% of original  
TT-67  
New Well no bldg. no.

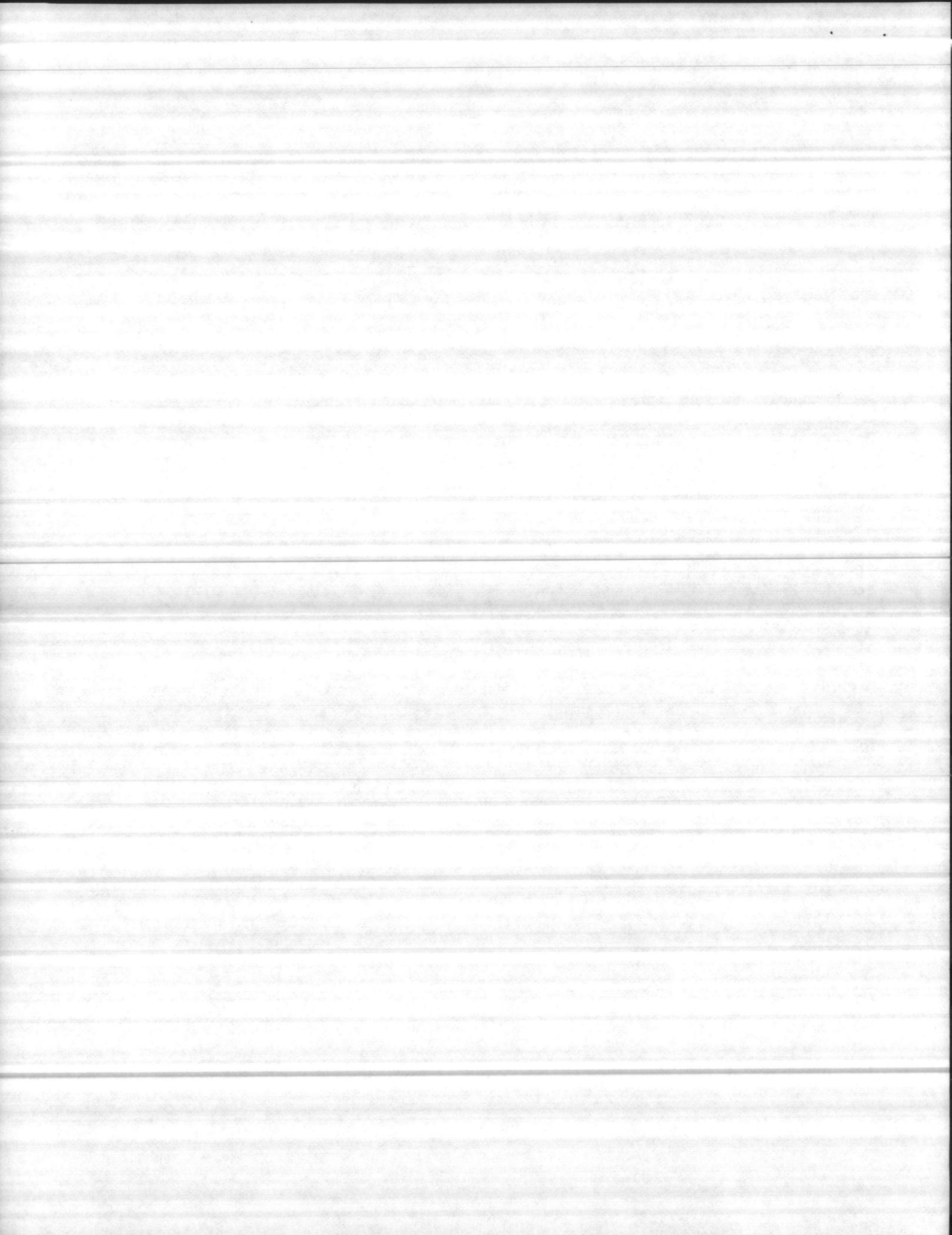
MONTFORD POINT- M-178

M-142  
M-197  
M-267  
M-628 Under contract for extensive repair, new capacity 60 GPM  
M-629  
M-630

MARINE CORPS AIR STATION - MCAS-110

TC-100  
TC-190  
TC-191  
TC-201  
TC-325 (No info)  
TC-502  
TC-504  
TC-600  
TC-604 Not producing 25% of original  
TC-700  
TC-901 Abandoned  
TC-1000  
TC-1001  
TC-1251  
TC-1253  
TC-1254  
TC-1255  
TC-1256

AS-106  
AS-131  
AS-203  
AS-4140 (No info)  
AS-4150 (No info)  
AS-5001  
AS-5009 (No info)



RIFLE RANGE RR-85

RR-45

RR-47

RR-97

New Well No number (No info)

COURTHOUSE BAY BB-190

BB-44

BB-97

BB-220 Not producing 25% of original

BB-221

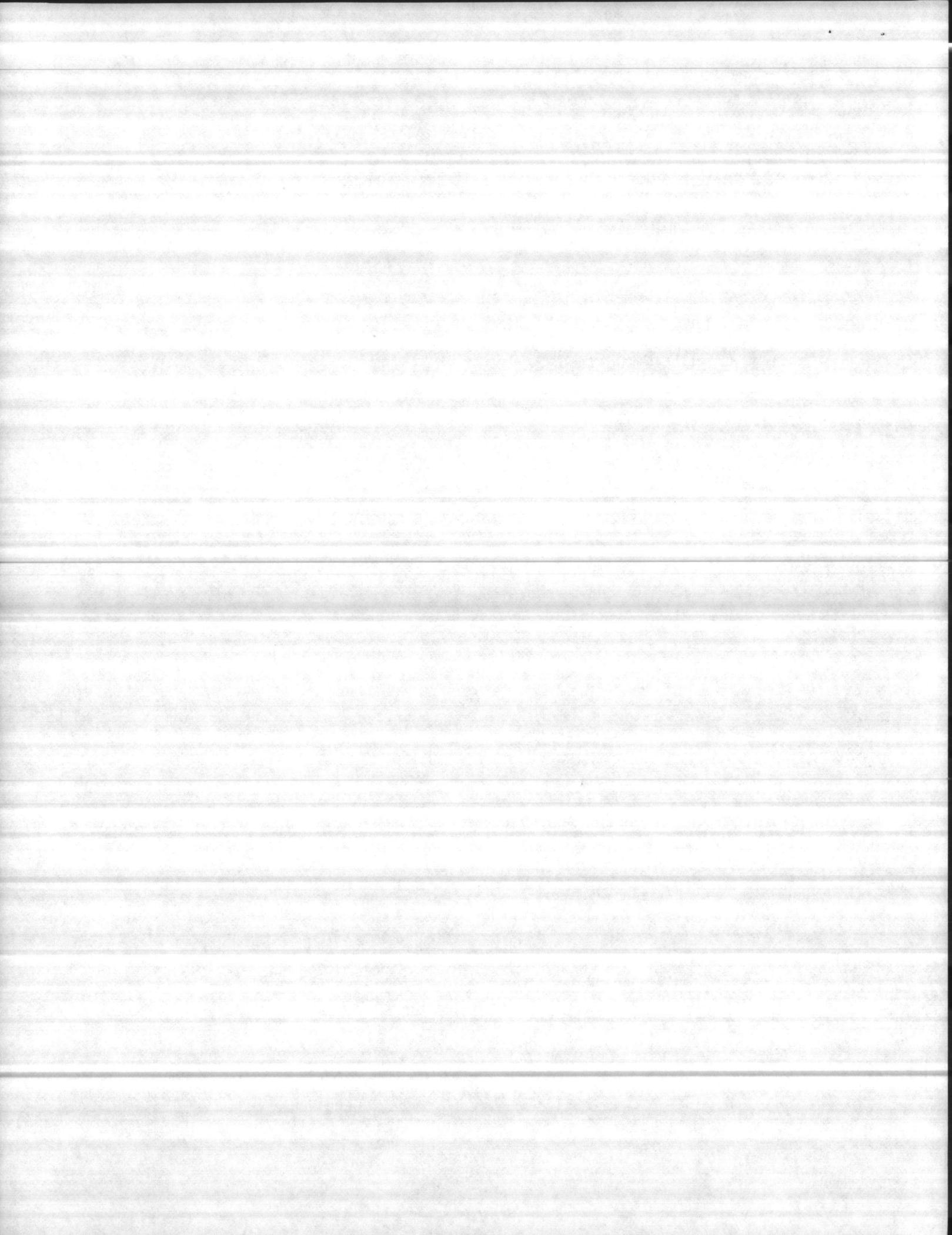
A-5 Not producing 25% of original

New well No Bldg. Number (No info)

ONSLow BEACH - BA-138

BA-164 Not producing 25% of original

BA-190



### AUXILIARY EQUIPMENT

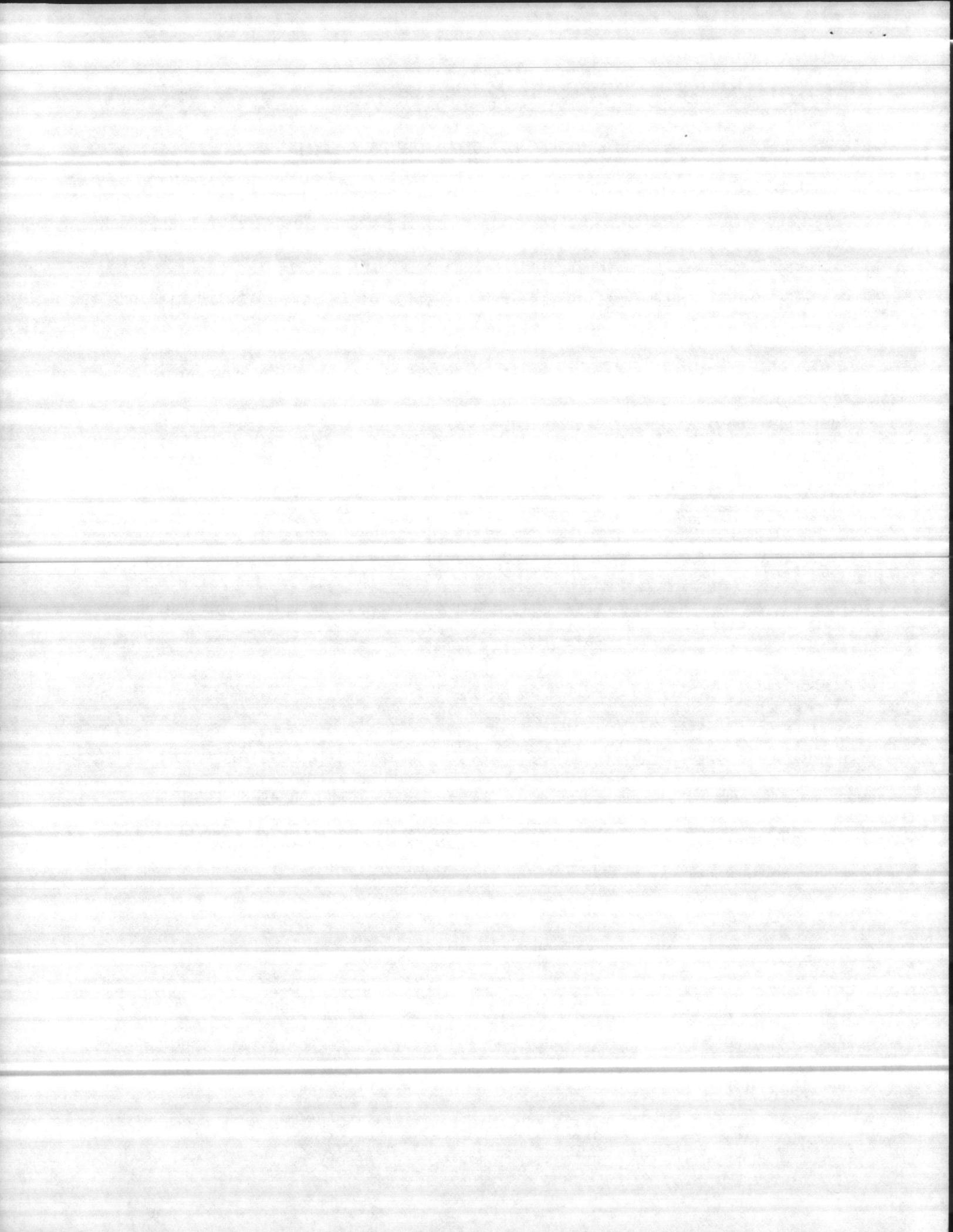
THE CONTRACTOR WILL TEST RUN ALL WELL AUXILIARY EQUIPMENT (INCLUDING AUXILIARY MOTORS AND GENERATORS) WEEKLY. THESE WILL BE TEST RUN TO INSURE PROPER OPERATION. THEY WILL BE TEST RUN FOR A MINIMUM OF 15 MINUTES AND THE RESULTS OF TEST WILL BE RECORDED ON APPROPRIATE LOGS. PRIOR TO RUNNING THE CONTRACTOR WILL CHECK EQUIPMENT FOR PROPER OIL LEVELS, WATER LEVELS, ETC. DURING THE OPERATION OF AUXILIARY EQUIPMENT CLOSE OBSERVATION TO OPERATING TEMPERATURES, EXCESSIVE NOISE OR VIBRATION WILL BE OBSERVED AND CORRECTIVE ACTION TAKEN BY THE CONTRACTOR TO PROTECT SUBJECT EQUIPMENT TO INSURE IT IS IN PROPER OPERATING CONDITION. THIS IS A MINIMUM STANDARD AND MORE FREQUENT OPERATION OF SAID EQUIPMENT WILL BE ACCOMPLISHED BY THE CONTRACTOR AT HIS EXPENSE IF CONDITIONS WARRANT.

### WELL CLEANING

THE CONTRACTOR WILL MAINTAIN THESE FACILITIES, EQUIPMENT, BUILDINGS AND GROUNDS CLEAN AND FREE OF CLUTTER, DEBRIS OR OTHER UNSIGHTLY MATTER. IN ADDITION THE CONTRACTOR WILL SEEP ALL FLOORS TO WELL HOUSES TWICE WEEKLY REMOVING COB WEBS, SCUM, DIRT, GRIME, GREASE, AND OTHER FOREIGN MATTER. THIS IS A MINIMUM STANDARD AND CLEANING REQUIREMENT WILL BE ACCOMPLISHED MORE FREQUENTLY <sup>AS</sup> ~~IF~~ CONDITIONS WARRANT ~~AT THE CONTRACTORS EXPENSE~~. UNDER NO CIRCUMSTANCES WILL ALGAE, DIRT, SCUM, DEBRIS, SAND OR OTHER FOREIGN MATTER BE ALLOWED TO ACCUMULATE ON OR REMAIN ON PIPES, DECKS, OR EQUIPMENT AND WILL BE PROMPTLY REMOVED AND SUBJECT AREA CLEANED BY THE CONTRACTOR.

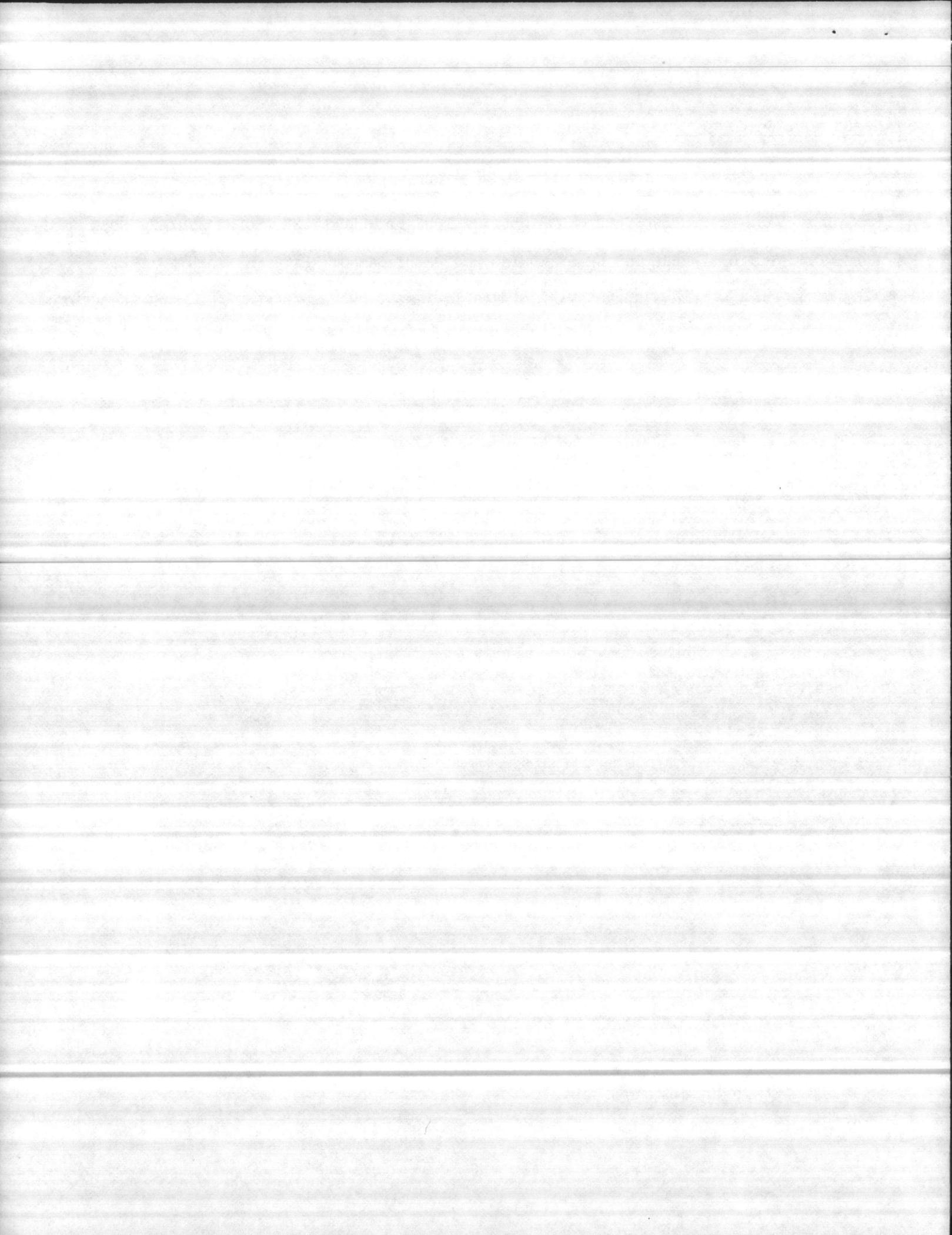
### GRASS MOWING (WELLS AND BOOSTER PUMPS, PUMPING STATIONS, BACKWASH PITS)

DURING THE GRASS MOWING SEASON THE CONTRACTOR WILL MOW ALL GRASS INSIDE THE FENCE WHICH ENCOMPASSES THE WATER TREATMENT WELLS. HE WILL ASLO MOW A TWO FOOT WIDE AREA AROUND THE ENTIRE OUTSIDE PERIMETER OF THE FENCE WEEKLY. THOSE WELLS WHICH ARE NOT ENCOMPASSED BY A FENCE HE WILL MOW A 10 FOOT AREA AROUND THE ENTIRE PERIMETER OF THE WELL HOUSES WEEKLY. THE CONTRACTOR WILL ALSO REMOVE DURING THE MOWING OPERATION



GRASS MOWING (CON'T)

GRASS AND ANY OTHER VEGETATION WHICH MAY GROW UP AROUND RESERVOIRS, BLDGS., BUSHES, MANHOLES, VAULT PITS, FENCES OR OTHER OBSTRUCTIONS BY WEEDEATING AROUND AND/OR UNDER THESE OBSTRUCTIONS WHERE THE GRASS MOWING EQUIPMENT CANNOT REACH MAINTAINING THESE FACILITIES IN A WELL MANICURED STATE. THIS IS A MINIMUM REQUIREMENT AND MORE FREQUENT MOWING AND/OR WEEDEATING WILL BE REQUIRED BY THE CONTRACTOR AT HIS EXPENSE IF CONDITIONS WARRANT.



BOOSTER PUMPS, PUMPING STATIONS AND BACKWASH PITS

HP-38 Emergency pumping station  
HP-742 Booster pump  
S-256 Backwash holding pit  
S-563 Backwash holding pit  
  
HP-670 Backwash holding pond  
TT-38 Backwash holding pit  
DD-39 Booster Pump  
TC-501 Pumping plant  
SAS-713 Backwash pond  
2002 MOQ station  
1252 Raw water pumping station  
SRR-102 Backwash holding pit  
BB-188 Backwash holding pit  
BA-138 Backwash holding pond  
SH-8 Chlorination and Pumping Station  
FC-19 Chlorination and Pumping Station  
B-656 Chlorination and Pumping Station  
BB-97 Chlorination and Pumping Station

THE ABOVE EQUIPMENT ARE AUXILIARYS ATTACHED TO WATER TREATMENT FACILITIES.

ALL BACKWASH HOLDING PONDS AND TANKS WILL BE CHECKED DAILY FOR PROPER OPERATION.

THE CONTRACTOR WILL CHECK OPERATING TEMPERATURES, PACKING GLANDS ON PUMPS, BASIN LEVELS, EXCESS NOISE ON EQUIPMENT, PRESSURE, OIL LEVELS IN AERATORS AND COMPRESSORS, ETC.

HE WILL LUBRICATE EQUIPMENT EVERY THREE MONTHS 12 MONTHS PER YEAR. MAINTAINING THESE FACILITIES WILL BE THE SAME AS REQUIRED IN WELL CLEANING AND WELL GRASS MOWING.

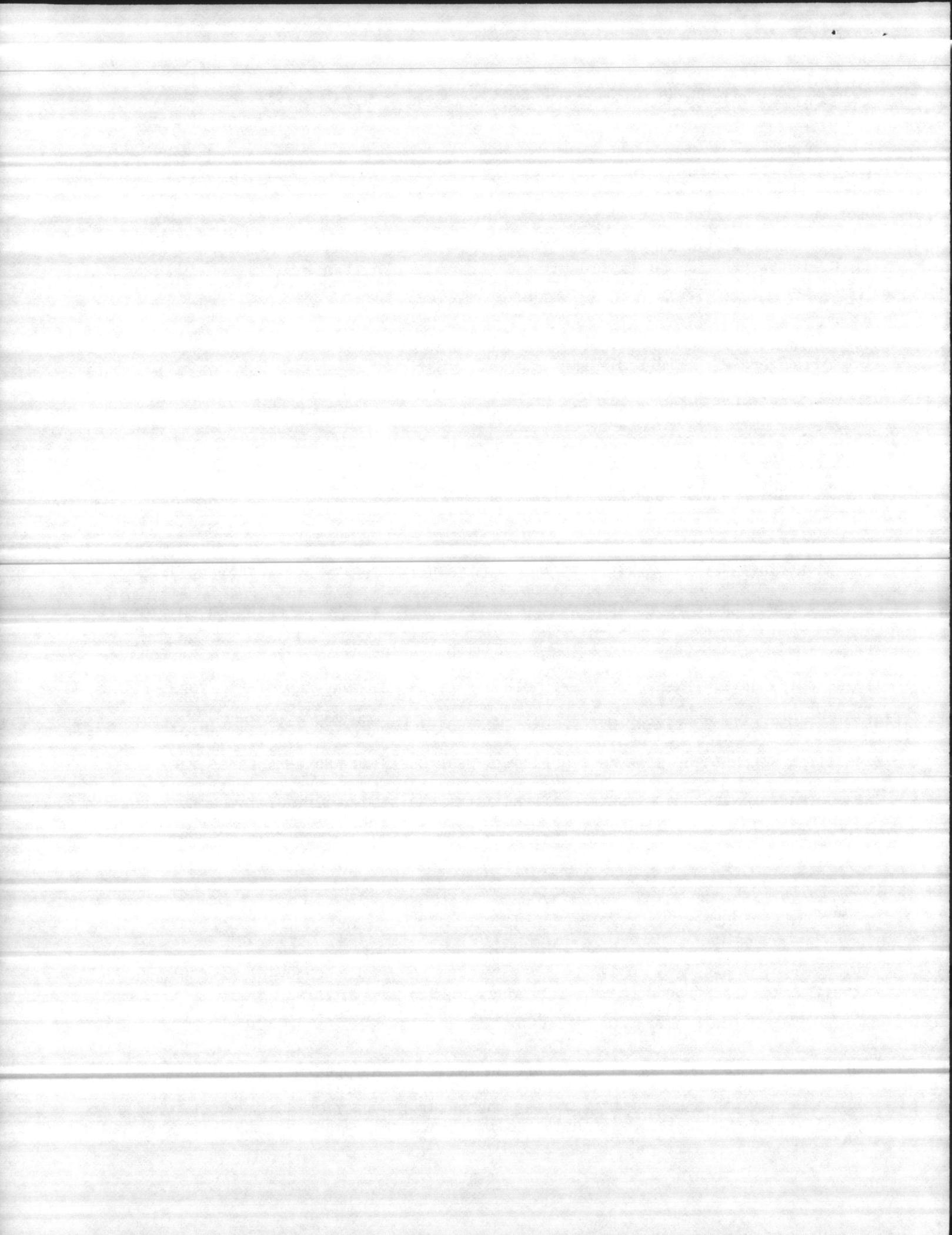
THE CONTRACTOR WILL CHECK THE FACILITIES AS LISTED BELOW. IF NOT INCLUDED BELOW

THE CONTRACTOR WILL CHECK FACILITIES DAILY.

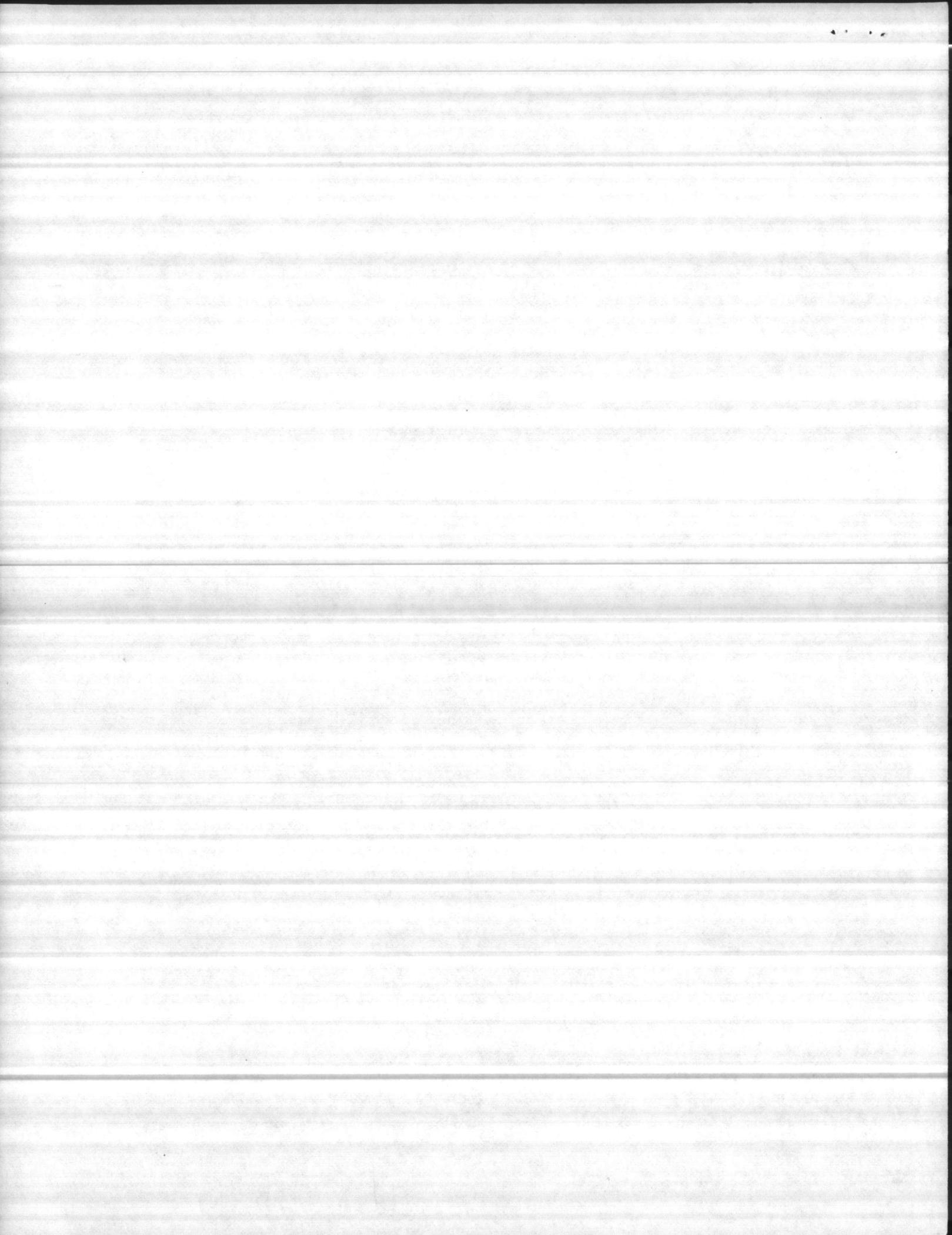
742 - WILL BE CHECKED <sup>TWICE</sup> ~~ON MONDAYS AND THURSDAYS~~ WEEKLY

FC-19 AND SH-8 - THE CONTRACTOR WILL CHECK THESE FACILITIES <sup>TWICE</sup> ~~ON TUESDAY AND THURSDAY~~ WEEKLY. WATER WILL BE CHECKED FOR PROPER CHLORINE RESIDUAL WHICH SHOULD BE MAINTAINED AT 1.0 P.P.M. FREE AVAILABLE. HE WILL INSURE EQUIPMENT IS FUNCTIONING CORRECTLY AND AN AMPLE SUPPLY OF CHLORINE IS AVAILABLE.

BLDG. 656 - THIS FACILITY WILL BE CHECKED TWICE WEEKLY. WATER WILL BE CHECKED FOR PROPER CHLORINE RESIDUAL WHICH WILL BE MAINTAINED AT 1.0 P.P.M. FREE AVAILABLE. HE WILL INSURE EQUIPMENT IS FUNCTIONING CORRECTLY AND AN AMPLE SUPPLY OF CHLORINE IS AVAILABLE.



BLDG. BB-97 - THIS FACILITY WILL BE CHECKED DAILY. WATER WILL BE CHECKED FOR PROPER  
CHLORINE RESIDUAL WHICH WILL BE MAINTAINED AT 1.0 P.P.M. FREE AVAILABLE.  
INSURE PROPER CHLORINE SUPPLY AVAILABLE AND CHLORINE FEEDING EQUIPMENT  
IS FUNCTIONING CORRECTLY.



*Price / Frayell*

**Memorandum**

11330  
NREAD

DATE: 6 Oct 1986

FROM: Director, Natural Resources and Environmental Affairs Division,  
Marine Corps Base, Camp Lejeune  
TO: Assistant Chief of Staff, Facilities, Marine Corps Base, Camp Lejeune

SUBJ: WATER QUALITY TESTING AT COURTHOUSE BAY AND THE RIFLE RANGE

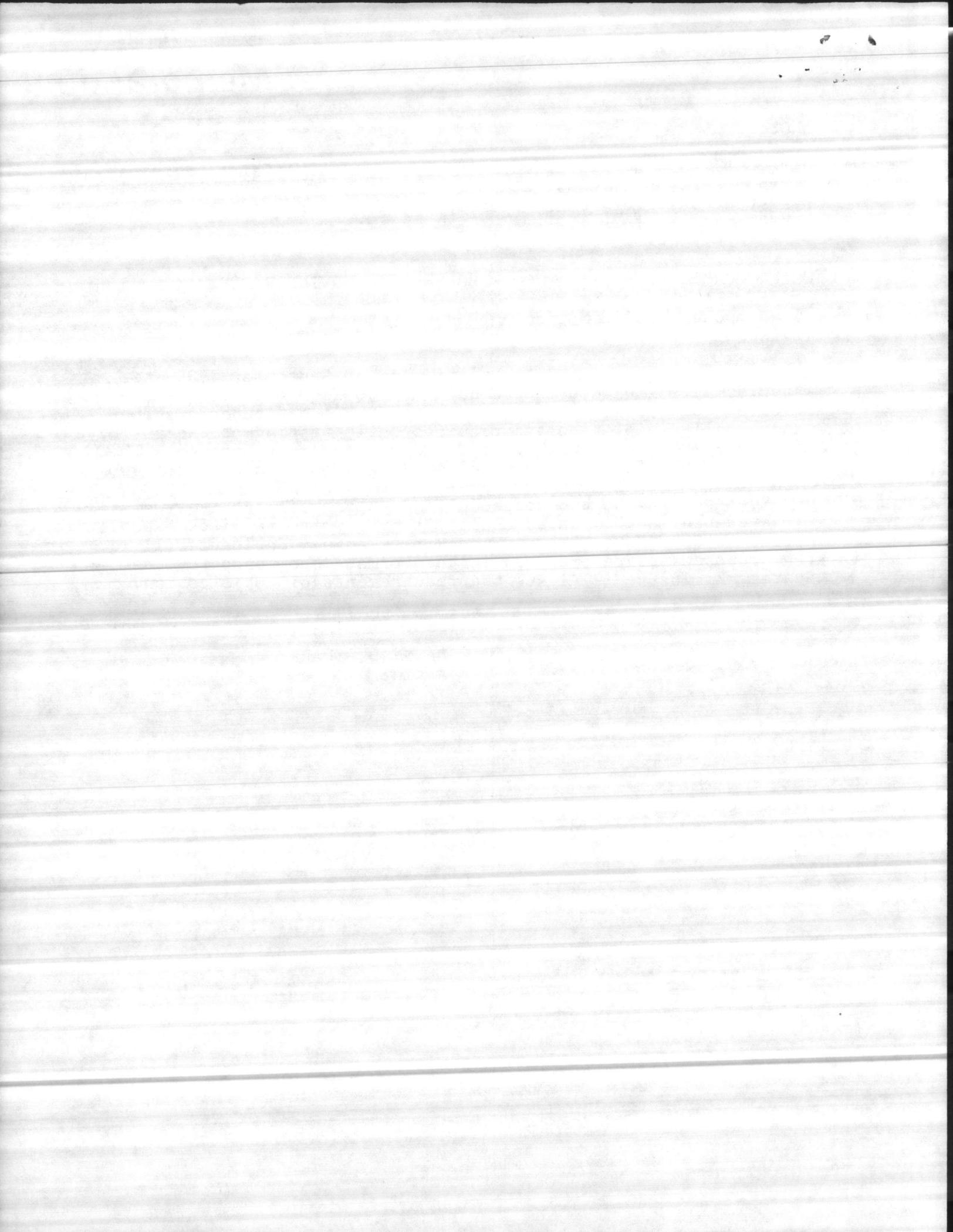
Incl: (1) Proposed Public Notice  
(2) Requirements of Notification

1. During the routine water testing on 30 September 1986, two water samples from Courthouse Bay and two from the Rifle Range revealed some coliform growth. The growth constitutes a state water quality violation and requires daily testing at the positive sites until two consecutive days yield no coliform growth. The results of the first two days of testing showed no coliform growth.

2. Even though the two consecutive days proved negative, we still violated the monthly water quality limits which requires a public notice to Courthouse Bay and the Rifle Range. Enclosure (1) is the proposed notice prepared in the format recommended by the State. Enclosure (2) lists the requirements of notification.

DANNY D. SHARPE  
Acting

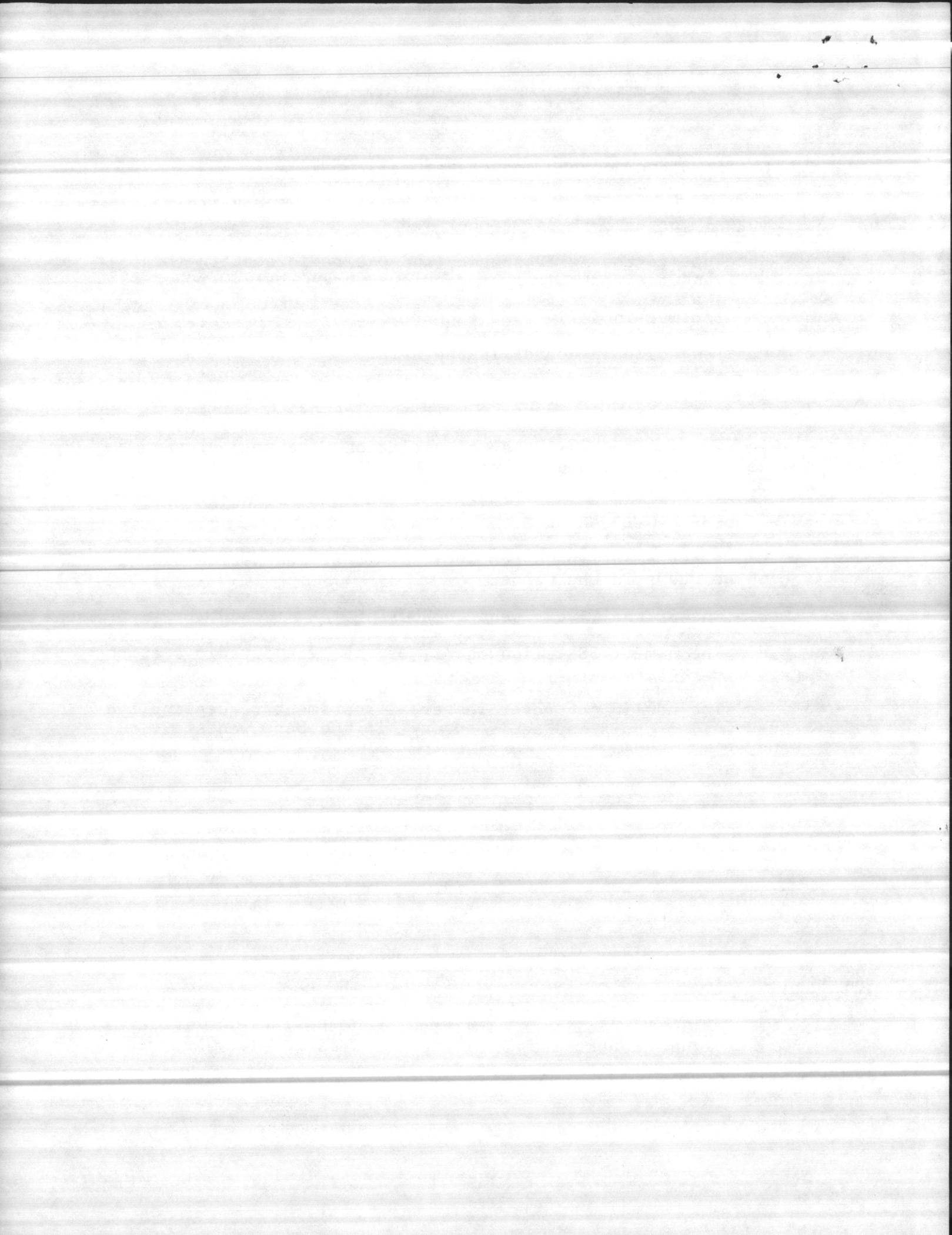
Copy to:  
BMO  
PMU



REQUIREMENTS OF NOTIFICATION (SEE NOTE 1)

1. Obtain State approval on the actual notice.
2. Place notice in Globe for three consecutive weeks (since it is a weekly paper), by 14 October 1986.
3. Send notice to one TV station and one radio station (Base cable TV and radio stations are satisfactory), by 7 October 1986.
4. Send notice in a flyer to each residence in the system.
5. Post on bulletin boards in the area.
6. State will send a letter of violation requiring the above (notification does not have to wait for letter).
7. In response to the letter of violation, the following must be provided to the State:
  - a. A clipping of the first newspaper notice including the name of paper and date.
  - b. A statement in the cover letter that the notice will run for three weeks in the Globe.
  - c. One of the flyers sent to Housing.
  - d. The name (FSS call numbers) of the TV and radio stations the notice was sent to.
  - e. Include in the cover letter, a statement requesting by return mail if this was satisfactory, if the base wants a response.

NOTE: 1- North Carolina Administrative Code, Title 10, Chapter 10, Sub-Chapter 10D, Available at Water Quality Control Laboratory, Building 65.



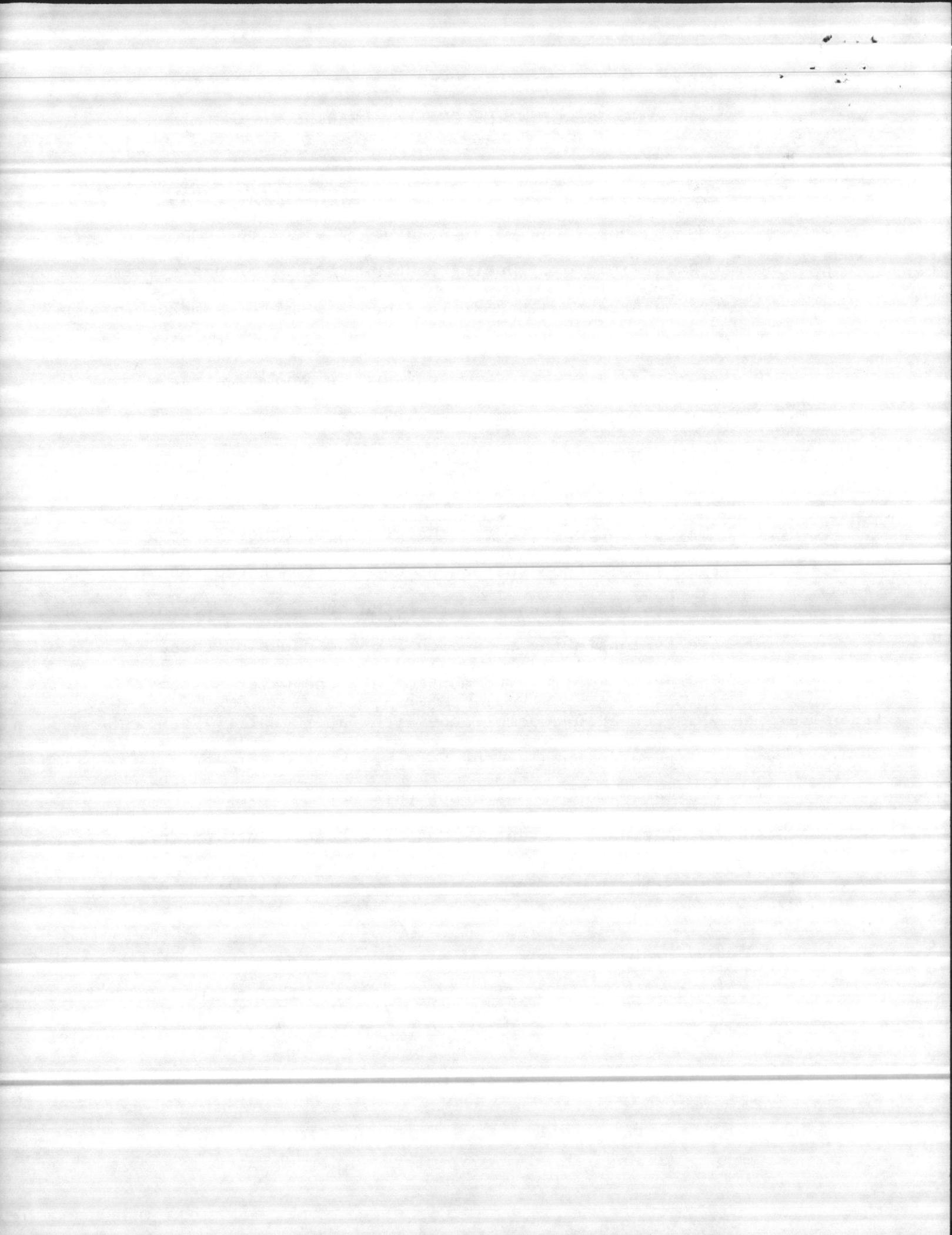
PROPOSED

NOTICE OF WATER QUALITY READING

Marine Corps Base, Camp Lejeune, operates eight separate water systems to supply the water needs of the entire Camp Lejeune-New River complex. During routine testing of the systems serving Courthouse Bay and the Rifle Range, two water samples in each system showed a coliform bacteria concentration above the allowable limits for the systems. Subsequent water samples within these systems indicated that no coliform bacteria were present. Coliform bacteria is not generally considered to be a disease producing organism. Its presence merely suggests that conditions may be appropriate for the growth of other disease carrying organisms. Since subsequent testing indicated that no coliform bacteria was present, there is no cause for concern.

The base is continuing to search for the cause of these abnormal readings as well as to monitor all the water systems aboard the base to ensure compliance with water quality standards and reporting requirements of the Safe Drinking Water Act.

If you have any questions about this notice, please contact the Head, Occupational Preventive Medicine Department, extension 451-5707.



653  
103

6288  
NREAD  
28 Oct 86

Mr. Paul Wilms, Director  
Division of Environmental Management  
NC Department of Natural Resources  
Land Community Development  
Post Office Box 27687  
Raleigh, North Carolina 27611

Dear Sir:

In accordance with requirements of the National Pollutant Discharge Elimination System (NPDES) Permit Number NC0003239, two copies of Discharge Monitoring Reports (DMRs) for the month of September 1986 are submitted.

Questions regarding this report should be forwarded to Ms. Elizabeth Betz, Supervisory Chemist, Natural Resources and Environmental Affairs Division, Assistant Chief of Staff, Facilities at (919) 451-5977.

Sincerely,

J. I. WOOTEN  
Director, Natural Resources Division  
Assistant Chief of Staff, Facilities  
By direction of the Commanding General

Encls:  
(1) DEM Forms MR-1, MR-2 & MR-3 (2 copies)

Copy to:  
EPA Region IV  
CMDR LANTNAVPACENGCOM  
NEESA

BCC  
GCL NREAD  
→ BMO (Util)

1980

... for the month of September, 1980

... be referred to as ...

...

... Resources Division  
... of ...

... (copy)

(11)

# EFFLUENT

NPDES PERMIT NO: NC0003239 DISCHARGE NO: 001 MONTH: September YEAR: 1986

FACILITY NAME: Camp Geiger STP CLASS: III COUNTY: Onslow

OPERATOR IN RESPONSIBLE CHARGE (ORC): Mack D. Davis GRADE: IV

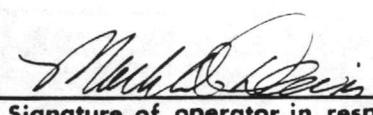
CERTIFIED LABORATORY: Water Quality Control Laboratory

PERSON(S) COLLECTING SAMPLES: STP Operators

CHECK BLOCK IF ORC HAS CHANGED

Mail original and one copy to:  
 ATT: Central Files  
 Division of Environmental Management  
 NC Department of NRCD  
 PO Box 27687  
 Raleigh, North Carolina 27611

I CERTIFY THAT THIS REPORT  
 IS ACCURATE AND COMPLETE TO  
 THE BEST OF MY KNOWLEDGE.

X 

Signature of operator in responsible charge

DATE	TIME 2400 CLOCK	COMPOSITE TIME	50050	00010	00409	00545	50060	00310	00340	00610	00500	00530	31616	00300	ENTER PARAMETER CODE ABOVE NAME AND UNITS BELOW			
			FLOW	TEMPERATURE	PH	SETTLABLE MATTER	RESIDUAL CHLORINE	BOD5 20°C	COD	AMMONIA NITROGEN	TOTAL RESIDUE	TOTAL SUSPENDED RESIDUE	FECAL COLIFORM Geometric Mean	DISSOLVED OXYGEN				
			EFF <input type="checkbox"/>	INF <input type="checkbox"/>											CELSIUS	MG/L	MG/L	MG/L
			DAILY RATE	°C	UNIT	ML/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	/100 ML	MG/L			
1	00	24	1.0641		6.6		4.0	4				2	4					
2	00	24	1.1231		6.6		4.0	6				3	0					
3	00	24	1.3104		6.6		4.0	4				6	0					
4	00	24	1.3384		6.6		4.0	6				9	0					
5	00	24	1.1158		6.6		4.0	10				4	0					
6			1.2597		6.6		4.0											
7			1.2638		6.8		4.0											
8	00	24	1.1186		6.8		4.0	4				2	0					
9	00	24	1.3640		6.8		4.0	6				4						
10	00	24	1.2562		6.9		2.0	7				3						
11	00	24	1.0866		6.8		4.0	4				1	6					
12	00	24	1.1708		6.8		3.0	7				2						
13	00	24	1.2393		6.6		3.0											
14	00	24	1.0977		6.6		4.0											
15	00	24	1.0835		6.2		4.0	3				1						
16	00	24	1.2207		6.8		4.0	7				4	0					
17	00	24	1.0136		6.8		4.0	5				2						
18	00	24	1.0657		6.8		4.0	5				3	0					
19	00	24	1.2113		6.8		4.0	7				6						
20	00	24	1.1255		6.8		4.0											
21	00	24	1.1492		6.8		4.0											
22	00	24	1.1411		6.8		4.0	8				6						
23	00	24	1.1629		6.8		4.0	6				2	0					
24	00	24	1.0794		6.4		4.0	7				5						
25	00	24	1.1445		6.8		4.0	6				5	0					
26	00	24	1.1770		6.6		4.0	9				4						
27	00	24	1.1210		7.0		4.0											
28	00	24	1.0562		7.0		4.0											
29	00	24	1.1814		7.0		4.0	7				10						
30	00	24	1.2181		7.0		4.0					3	0					
31																		
<b>Average</b>			1.1653				116.6	6				4	1.30					
<b>Max.</b>			1.3640		7.0		4.0	10				10	6					
<b>Min.</b>			1.0130		6.2		2.0	3				1	0					
<b>Comp.(C)/ Grab(G)</b>					G		G	C				C	G					
<b>Monthly Limit</b>					6-9			30				30	200					

Facility Status: ( Please check one of the following)

All monthly averages and / or other limitation do meet permit monitoring requirements  X

( Compliant)

All monthly averages and / or other limitation do not meet permit monitoring requirements

( Noncompliant)

If the facility is noncompliant, please comment on corrective actions  
being taken in respect to equipment, operation, maintenance, etc. and  
a time table for improvements to be made.

( Attach additional sheets if necessary)

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I certify that this Report is accurate  
and complete to the best of my knowledge:

*Jehan J. Wooten*  
-----  
Signature of Permittee

PARAMETER CODES

00010	Temperature	00556	Oil and Grease	00950	Dissolved Fluoride	01077	Silver	39516	PCBS
00065	Stream Stage	00600	Total Nitrogen	01002	Total Arsenic	01087	Total Vanadium	39941	Roundup
00076	Turbidity	00610	Ammonia Nitrogen	01027	Cadmium	01092	Zinc	50047	Max. flow during 24-hr. period
00300	Dissolved Oxygen	00625	Total Kjeldahl Nitrogen	01032	Hexavalent Chromium ppm	01105	Total Aluminum	50048	Min. flow during 24-hr. period
00310	BOD <sub>5</sub>	00665	Total Phosphorous	01034	Chromium	01147	Total Selenium	50050	Flow
00340	COD	00720	Cyanide	01037	Total Cobalt	31504	Total Coliform	50060	Total Residual Chlorine
00400	pH	00745	Total Sulfide	01042	Copper	31614	Fecal Coliform, MPN, Tube	71880	Formaldehyde
00500	Total Solids	00927	Total Magnesium	01045	Total Iron	31616	Fecal Coliform	71900	Mercury
00530	TSS	00929	Total Sodium	01051	Lead	32730	Total Phenolics	81318	Ferrocyanides
00545	Settleable Solids	00940	Total Chloride	01067	Nickel	38260	MBAS	85652	Time

The monthly average for fecal coliform is to be reported as a geometric MEAN.

If using alternate units for reporting data, please designate.

# EFFLUENT

NPDES PERMIT NO: NCO003239 DISCHARGE NO: 002 MONTH: September YEAR: 1986

FACILITY NAME: Tarawa Terrace STP CLASS: III COUNTY: Onslow

OPERATOR IN RESPONSIBLE CHARGE (ORC): Mack D. Davis GRADE: IV

CERTIFIED LABORATORY: Water Quality Control Laboratory

PERSON(S) COLLECTING SAMPLES: STP Operators

CHECK BLOCK IF ORC HAS CHANGED

Mail original and one copy to:  
 ATT: Central Files  
 Division of Environmental Management  
 NC Department of NRCD  
 PO Box 27687  
 Raleigh, North Carolina 27611

I CERTIFY THAT THIS REPORT  
 IS ACCURATE AND COMPLETE TO  
 THE BEST OF MY KNOWLEDGE.

X Mack D. Davis  
 Signature of operator in responsible charge

DATE	TIME 2400 CLOCK	COMPOSITE TIME	50050	00010	00400	00545	50060	00310	00340	00610	00500	00530	31616	00300	ENTER PARAMETER CODE ABOVE NAME AND UNITS BELOW				
			FLOW	TEMPERATURE CELSIUS	PH	SETTLABLE MATTER	RESIDUAL CHLORINE	BOD5 20°C	COD	AMMONIA NITROGEN	TOTAL RESIDUE	TOTAL SUSPENDED RESIDUE	FECAL COLIFORM Geometric Mean	DISSOLVED OXYGEN					
			EFF <input checked="" type="checkbox"/>												DAILY RATE				
			INF <input type="checkbox"/>												MGD	C°	UNIT	ML/L	MG/L
1	00	24	1.0705		6.5		4.0	13				8	4						
2	00	24	1.0834		6.9		4.0	15				6	0						
3	00	24	.9550		6.6		4.0	13				8	2						
4	00	24	.9614		6.1		3.0	15				10	0						
5	00	24	.9226		6.2		4.0	17				6	24						
6	00	24	1.0165		6.2		4.0												
7	00	24	1.0340		6.8		4.0												
8	00	24	.9434		6.4		4.5	18				4	30						
9	00	24	.9390		6.4		4.0	15				8							
10	00	24	.9694		6.6		4.0	15				8							
11	00	24	1.0005		7.0		4.0	14				1	0						
12	00	24	1.0342		6.9		4.0	16				6							
13	00	24	.9717		6.6		4.0												
14	00	24	.9223		6.5		5.0												
15	00	24	.9539		6.5		4.0	12				6							
16	00	24	.9181		6.4		4.0	17				11	4						
17	00	24	.8538		6.6		4.0	14				9							
18	00	24	.8545		6.6		4.0	13				8	0						
19	00	24	.88902		6.5		4.0	16				11							
20	00	24	1.0136		6.6		4.0												
21	00	24	1.0475		6.5		4.0												
22	00	24	.9369		6.6		4.0	13				8							
23	00	24	1.0043		6.4		4.0	13				2	2						
24	00	24	1.0291		6.5		4.0	11				8							
25	00	24	.9850		6.5		4.0	12				8	0						
26	00	24	1.0229		6.4		4.0	15				6							
27	00	24	.9966		6.4		4.5												
28	00	24	.9807		6.4		4.0												
29	00	24	1.0256		6.4		4.0	14				10							
30	00	24	.9390		6.4		4.0					9	0						
31																			
<b>Average</b>			.97582				4.0	14				7	2.45						
<b>Max.</b>			1.0705		7.0		5.0	18				11	30						
<b>Min.</b>			.8538		6.1		3.0	11				1	0						
<b>Comp.(C)/ Grab(G)</b>					G		G	C				C	G						
<b>Monthly Limit</b>					6-9			30				30	200						

Facility Status: ( Please check one of the following)

All monthly averages and / or other limitation do meet permit monitoring requirements  ( Compliant)

All monthly averages and / or other limitation do not meet permit monitoring requirements  ( Noncompliant)

If the facility is noncompliant, please comment on corrective actions being taken in respect to equipment, operation, maintenance, etc. and a time table for improvements to be made.

( Attach additional sheets if necessary)

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I certify that this Report is accurate and complete to the best of my knowledge:

*Jehan J. Wooten*  
 Signature of Permittee

PARAMETER CODES

00010 Temperature	00556 Oil and Grease	00950 Dissolved Fluoride	01077 Silver	39516 PCBS
00065 Stream Stage	00600 Total Nitrogen	01002 Total Arsenic	01087 Total Vanadium	39941 Roundup
00076 Turbidity	00610 Ammonia Nitrogen	01027 Cadmium	01092 Zinc	50047 Max. flow during 24-hr. period
00300 Dissolved Oxygen	00625 Total Kjeldahl Nitrogen	01032 Hexavalent Chromium	01105 Total Aluminum	50048 Min. flow during 24-hr. period
00310 BOD <sub>5</sub>	00665 Total Phosphorous	01034 Chromium	01147 Total Selenium	50050 Flow
00340 COD	00720 Cyanide	01037 Total Cobalt	31504 Total Coliform	50060 Total Residual Chlorine
00400 pH	00745 Total Sulfide	01042 Copper	31614 Fecal Coliform, MPN, Tube	71880 Formaldehyde
00500 Total Solids	00927 Total Magnesium	01045 Total Iron	31616 Fecal Coliform	71900 Mercury
00530 TSS	00929 Total Sodium	01051 Lead	32730 Total Phenolics	81318 Ferrocyanides
00545 Settleable Solids	00940 Total Chloride	01067 Nickel	38260 MBAS	85652 Time

The monthly average for fecal coliform is to be reported as a geometric MEAN.

If using alternate units for reporting data, please designate.



Facility Status: ( Please check one of the following)

All monthly averages and / or other limitation do meet permit monitoring requirements  ( Compliant)

All monthly averages and / or other limitation do not meet permit monitoring requirements  ( Noncompliant)

If the facility is noncompliant, please comment on corrective actions being taken in respect to equipment, operation, maintenance, etc. and a time table for improvements to be made.

( Attach additional sheets if necessary)

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I certify that this Report is accurate and complete to the best of my knowledge:

*Jehan J. Wooters*  
 Signature of Permittee

PARAMETER CODES

00010 Temperature	00556 Oil and Grease	00950 Dissolved Fluoride	01077 Silver	39516 PCBS
00065 Stream Stage	00600 Total Nitrogen	01002 Total Arsenic	01087 Total Vanadium	39941 Roundup
00076 Turbidity	00610 Ammonia Nitrogen	01027 Cadmium	01092 Zinc	50047 Max. flow during 24-hr. period
00300 Dissolved Oxygen	00625 Total Kjeldahl Nitrogen	01032 Hexavalent Chromium	01105 Total Aluminum	50048 Min. flow during 24-hr. period
00310 BOD <sub>5</sub>	00665 Total Phosphorous	01034 Chromium	01147 Total Selenium	50050 Flow
00340 COD	00720 Cyanide	01037 Total Cobalt	31504 Total Coliform	50060 Total Residual Chlorine
00400 pH	00745 Total Sulfide	01042 Copper	31614 Fecal Coliform, MPN, Tube	71880 Formaldehyde
00500 Total Solids	00927 Total Magnesium	01045 Total Iron	31616 Fecal Coliform	71900 Mercury
00530 TSS	00929 Total Sodium	01051 Lead	32730 Total Phenolics	81318 Ferrocyanides
00545 Settleable Solids	00940 Total Chloride	01067 Nickel	38260 MBAS	85652 Time

The monthly average for fecal coliform is to be reported as a geometric MEAN.

If using alternate units for reporting data, please designate.

# EFFLUENT

NPDES PERMIT NO: NC0003239 DISCHARGE NO: 004 MONTH: September YEAR: 1986  
 FACILITY NAME: Hadnot Point STP CLASS: IV COUNTY: Onslow  
 OPERATOR IN RESPONSIBLE CHARGE (ORC): Mack D. Davis GRADE: IV  
 CERTIFIED LABORATORY: Water Quality Control Laboratory

PERSON(S) COLLECTING SAMPLES: STP Operators

CHECK BLOCK IF ORC HAS CHANGED

Mail original and one copy to:  
 ATT: Central Files  
 Division of Environmental Management  
 NC Department of NRCD  
 PO Box 27687  
 Raleigh, North Carolina 27611

I CERTIFY THAT THIS REPORT  
 IS ACCURATE AND COMPLETE TO  
 THE BEST OF MY KNOWLEDGE.

X

*Mack D. Davis*

Signature of operator in responsible charge

DATE	TIME 2400 CLOCK	COMPOSITE TIME	50050	00010	00409	00545	50060	00310	00340	00610	00500	00530	31616	00300	31604	ENTER PARAMETER CODE ABOVE NAME AND UNITS BELOW		
			FLOW EFF <input checked="" type="checkbox"/>	INF <input type="checkbox"/>	DAILY RATE	TEMPERATURE CELSIUS	pH	SETTLABLE MATTER	RESIDUAL CHLORINE	BOD5 20°C	COD	AMMONIA NITROGEN	TOTAL RESIDUE	TOTAL SUSPENDED RESIDUE	FECAL COLIFORM	DISSOLVED OXYGEN	TOTAL COLIFORM	
			HRS MGD	C°	UNIT	ML/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	/100 ML	MG/L	/100 ML			
1	00	24	3.885		6.8		4.0	10				10			0			
2	00	24	4.191		7.2		2.5	10				4			100			
3	00	24	3.977		6.9		4.0	8				7			0			
4	00	24	3.774		6.8		4.0	11				7			0			
5	00	24	4.181		6.8		4.0	15				4			0			
6	00	24	3.846		6.8		4.0											
7	00	24	3.822		6.8		4.0											
8	00	24	4.244		6.8		4.0	18				8			4			
9	00	24	4.283		6.7		4.0	13				6			0			
10	00	24	4.122		6.8		4.0	13				6						
11	00	24	4.035		6.9		3.5	12				2			2			
12	00	24	4.487		6.8		4.0	16				6						
13	00	24	3.693		6.8		4.0											
14	00	24	3.613		6.7		4.0											
15	00	24	4.005		6.6		4.0	11				7			16			
16	00	24	3.743		6.8		4.0	13				6			2			
17	00	24	3.952		6.7		4.0	13				7						
18	00	24	3.832		6.8		4.0	14				6			2			
19	00	24	3.986		6.9		4.0	19				10						
20	00	24	3.804		6.8		4.0											
21	00	24	3.983		6.8		4.0											
22	00	24	4.153		6.6		4.0	14				8			2			
23	00	24	4.006		6.7		4.0	15				3			3000			
24	00	24	4.103		6.8		5.0	11				7			2			
25	00	24	4.203		6.7		4.0	11				9			0			
26	00	24	4.009		6.8		4.0	16				5						
27	00	24	3.657		6.6		4.0											
28	00	24	3.600		6.8		4.0											
29	00	24	3.683		6.8		4.0	12				7			0			
30	00	24	3.970		6.7		4.0					6			0			
31																		
<b>Average</b>			3.9614				4.0	13				6			3.20			
<b>Max.</b>			4.487		7.2		5.0	19				10			3000			
<b>Min.</b>			3.613		6.6		2.5	3.0				10			0			
<b>Comp.(C)/Grab(G)</b>					G		G	C				C			G			
<b>Monthly Limit</b>					6-9			30				30			70			

Facility Status: ( Please check one of the following)

All monthly averages and / or other limitation do meet permit monitoring requirements  X

( Compliant)

All monthly averages and / or other limitation do not meet permit monitoring requirements

( Noncompliant)

If the facility is noncompliant, please comment on corrective actions being taken in respect to equipment, operation, maintenance, etc. and a time table for improvements to be made.

( Attach additional sheets if necessary)

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I certify that this Report is accurate and complete to the best of my knowledge:

*Jehan I. Wooten*  
 Signature of Permittee

PARAMETER CODES

00010	Temperature	00556	Oil and Grease	00950	Dissolved Fluoride	01077	Silver	39516	PCBS
00065	Stream Stage	00600	Total Nitrogen	01002	Total Arsenic	01087	Total Vanadium	39941	Roundup
00076	Turbidity	00610	Ammonia Nitrogen	01027	Cadmium	01092	Zinc	50047	Max. flow during 24-hr. period
00300	Dissolved Oxygen	00625	Total Kjeldahl Nitrogen	01032	Hexavalent Chromium	01105	Total Aluminum	50048	Min. flow during 24-hr. period
00310	BOD <sub>5</sub>	00665	Total Phosphorous	01034	Chromium	01147	Total Selenium	50050	Flow
00340	COD	00720	Cyanide	01037	Total Cobalt	31504	Total Coliform	50060	Total Residual Chlorine
00400	pH	00745	Total Sulfide	01042	Copper	31614	Fecal Coliform, MPN, Tube	71880	Formaldehyde
00500	Total Solids	00927	Total Magnesium	01045	Total Iron	31616	Fecal Coliform	71900	Mercury
00530	TSS	00929	Total Sodium	01051	Lead	32730	Total Phenolics	81318	Ferrocyanides
00545	Settleable Solids	00940	Total Chloride	01067	Nickel	38260	MBAS	85652	Time

The monthly average for fecal coliform is to be reported as a geometric MEAN.

If using alternate units for reporting data, please designate.

# EFFLUENT

NPDES PERMIT NO: NC0003239 DISCHARGE NO: 005 MONTH: September YEAR: 1986

FACILITY NAME: Rifle Range STP CLASS: II COUNTY: Onslow

OPERATOR IN RESPONSIBLE CHARGE (ORC): Mack D. Davis GRADE: IV

CERTIFIED LABORATORY: Water Quality Control Laboratory

PERSON(S) COLLECTING SAMPLES: STP Operators

CHECK BLOCK IF ORC HAS CHANGED

Mail original and one copy to:  
 ATT: Central Files  
 Division of Environmental Management  
 NC Department of NRCD  
 PO Box 27687  
 Raleigh, North Carolina 27611

I CERTIFY THAT THIS REPORT  
 IS ACCURATE AND COMPLETE TO  
 THE BEST OF MY KNOWLEDGE.

X Mack D. Davis  
 Signature of operator in responsible charge

DATE	TIME 2400 CLOCK	COMPOSITE TIME	50050	00010	00403	00545	50060	00310	00340	00610	00500	00530	31616	00300	31524		
			FLOW EFF <input checked="" type="checkbox"/>	TEMPERATURE CELSIUS	pH	SETTLABLE MATTER	RESIDUAL CHLORINE	BOD5 20°C	COD	AMMONIA NITROGEN	TOTAL RESIDUE	TOTAL SUSPENDED RESIDUE	FECAL COLIFORM Geometric Mean	DISSOLVED OXYGEN	ENTER PARAMETER CODE ABOVE NAME AND UNITS BELOW		
			DAILY RATE												Total Coliform #/100ml		
		HRS	MGD	C°	UNIT	ML/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	/100 ML	MG/L	/100ml		
1			.18412		6.8		2.5										
2	08	8	.29665		7.2		8.0	4					1		SE		
3	08	8	.18821		7.0		5.0										
4	08	8	.23306		7.0		8.0	3					2		0		
5	08	8	.19127		6.9		8.0										
6	08	8	.20033		6.9		8.0										
7	08	8	.17890		6.7		8.0										
8	08	8	.19143		6.8		8.0										
9	08	8	.20808		6.6		5.0	5					1		0		
10	08	8	.19847		6.8		8.0										
11	08	8	.20999		7.0		6.0	3					2				
12	08	8	.22879		6.8		5.0										
13	08	8	.19393		6.8		8.0										
14	08	8	.19200		6.7		7.0										
15	08	8	.17850		6.9		8.0										
16	08	8	.18029		6.6		6.0	5					2		0		
17	08	8	.20900		6.8		6.0										
18	08	8	.20876		6.8		6.0	6					8				
19	08	8	.18619		7.0		8.0										
20	08	8	.18452		6.8		8.0										
21	08	8	.19676		6.6		5.0										
22	08	8	.18656		6.6		8.0										
23	08	8	.19044		6.8		4.0	5					1		0		
24	08	8	.19615		6.7		8.0										
25	08	8	.17722		7.2		2.0	4					5				
26	08	8	.18962		7.0		5.0										
27	08	8	.18721		6.8		3.0										
28	08	8	.18945		6.8		6.0										
29	08	8	.18157		7.0		8.0										
30	08	8	.17623		6.8		5.0	LE					1		0		
31																	
<b>Average</b>			5.9137				191.5	4					3		0		
<b>Max.</b>			29665		7.2		9.0	6					8		0		
<b>Min.</b>			17623		6.6		2.0	3					1		0		
<b>Comp.(C)/Grab(G)</b>					G		G	C					C		G		
<b>Monthly Limit</b>					6-9			30					30		70		

Facility Status: ( Please check one of the following)

All monthly averages and / or other limitation do meet permit monitoring requirements  ( Compliant)

All monthly averages and / or other limitation do not meet permit monitoring requirements  ( Noncompliant)

If the facility is noncompliant, please comment on corrective actions being taken in respect to equipment, operation, maintenance, etc. and a time table for improvements to be made.

( Attach additional sheets if necessary)

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I certify that this Report is accurate and complete to the best of my knowledge:

*Jehan J. Wooten*  
 Signature of Permittee

PARAMETER CODES

00010	Temperature	00556	Oil and Grease	00950	Dissolved Fluoride	01077	Silver	39516	PCBS
00065	Stream Stage	00600	Total Nitrogen	01002	Total Arsenic	01087	Total Vanadium	39941	Roundup
00076	Turbidity	00610	Ammonia Nitrogen	01027	Cadmium	01092	Zinc	50047	Max. flow during 24-hr. period
00300	Dissolved Oxygen	00625	Total Kjeldahl Nitrogen	01032	Hexavalent Chromium	01105	Total Aluminum	50048	Min. flow during 24-hr. period
00310	BOD <sub>5</sub>	00665	Total Phosphorous	01034	Chromium	01147	Total Selenium	50050	Flow
00340	COD	00720	Cyanide	01037	Total Cobalt	31504	Total Coliform	50060	Total Residual Chlorine
00400	pH	00745	Total Sulfide	01042	Copper	31614	Fecal Coliform, MPN, Tube	71880	Formaldehyde
00500	Total Solids	00927	Total Magnesium	01045	Total Iron	31616	Fecal Coliform	71900	Mercury
00530	TSS	00929	Total Sodium	01051	Lead	32730	Total Phenolics	81318	Ferrocyanides
00545	Settleable Solids	00940	Total Chloride	01067	Nickel	38260	MBAS	85652	Time

The monthly average for fecal coliform is to be reported as a geometric MEAN.

If using alternate units for reporting data, please designate.

# EFFLUENT

NPDES PERMIT NO: NCO003239 DISCHARGE NO: 006 MONTH: September YEAR: 1986  
 FACILITY NAME: Courthouse Bay STP CLASS: II COUNTY: Onslow  
 OPERATOR IN RESPONSIBLE CHARGE (ORC): Mack D. Davis GRADE: IV  
 CERTIFIED LABORATORY: Water Quality Control Laboratory

PERSON(S) COLLECTING SAMPLES: STP Operators

CHECK BLOCK IF ORC HAS CHANGED

Mail original and one copy to:  
 ATT: Central Files  
 Division of Environmental Management  
 N C Department of NRCD  
 PO Box 27687  
 Raleigh, North Carolina 27611

I CERTIFY THAT THIS REPORT  
 IS ACCURATE AND COMPLETE TO  
 THE BEST OF MY KNOWLEDGE.

X Mack D. Davis

Signature of operator in responsible charge

DATE	TIME 2400 CLOCK	COMPOSITE TIME	50050	00010	00409	00545	50060	00310	00340	00610	00500	00530	31616	00300	31504	ENTER PARAMETER CODE ABOVE NAME AND UNITS BELOW		
			FLOW EFF <input checked="" type="checkbox"/> INF <input type="checkbox"/>	TEMPERATURE CELSIUS	pH	SETTLABLE MATTER	RESIDUAL CHLORINE	BOD5 20°C	COD	AMMONIA NITROGEN	TOTAL RESIDUE	TOTAL SUSPENDED RESIDUE	FECAL COLIFORM Geometric Mean	DISSOLVED OXYGEN	TOTAL COLIFORM MEAN			
HRS	MGD	C°	UNIT	ML/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	/100 ML	MG/L	/100 ML			
1			.506		6.9		5.0											
2	08	8	.525		6.9		5.0	6				2			0			
3	08	8	.557		6.6		4.0											
4	08	8	.547		6.5		4.0	6				4			0			
5	08	8	.530		7.0		4.5											
6	08	8	.444		6.9		2.5											
7	08	8	.451		6.9		3.0											
8	08	8	.529		6.8		5.0											
9	08	8	.539		7.2		3.0	6				3			.8			
10	08	8	.486		7.3		4.0											
11	08	8	.512		6.8		5.0	5				2						
12	08	8	.538		6.9		4.0	5				2						
13	08	8	.4780		6.9		5.0											
14	08	8	.428		7.0		5.0											
15	08	8	.451		6.9		4.0											
16	08	8	.464		7.4		4.0	6				0						
17	08	8	.471		7.0		4.0											
18	08	8	.551		7.0		4.0	5				5						
19	08	8	.481		6.9		4.0											
20	08	8	.457		7.0		4.0											
21	08	8	.520		7.0		4.0											
22	08	8	.437		7.0		4.0											
23	08	8	.444		6.9		4.0	16				1			4			
24	08	8	.470		7.2		4.0											
25	08	8	.491		7.2		4.0	6				5						
26	08	8	.494		7.0		4.0											
27	08	8	.477		7.0		4.0											
28	08	8	.432		6.8		4.0											
29	08	8	.412		6.8		4.0											
30	08	8	.446		6.9		3.0					1			0			
31																		
<b>Average</b>			.4856				4.1	7				3			1.78			
<b>Max.</b>			.506		7.4		5.0	16				5			8			
<b>Min.</b>			.432		6.5		2.5	5				1			0			
<b>Comp.(C)/ Grab(G)</b>					G		G	C				C			G			
<b>Monthly Limit</b>					6-9			30				30			70			

Facility Status: ( Please check one of the following)

All monthly averages and / or other limitation do meet permit monitoring requirements  ( Compliant)

All monthly averages and / or other limitation do not meet permit monitoring requirements  ( Noncompliant)

If the facility is noncompliant, please comment on corrective actions being taken in respect to equipment, operation, maintenance, etc. and a time table for improvements to be made.

( Attach additional sheets if necessary)

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I certify that this Report is accurate and complete to the best of my knowledge:

*Jehan I. Wooten*  
 Signature of Permittee

PARAMETER CODES

00010 Temperature	00556 Oil and Grease	00950 Dissolved Fluoride	01077 Silver	39516 PCBS
00065 Stream Stage	00600 Total Nitrogen	01002 Total Arsenic	01087 Total Vanadium	39941 Roundup
00076 Turbidity	00610 Ammonia Nitrogen	01027 Cadmium	01092 Zinc	50047 Max. flow during 24-hr. period
00300 Dissolved Oxygen	00625 Total Kjeldahl Nitrogen	01032 Hexavalent Chromium	01105 Total Aluminum	50048 Min. flow during 24-hr. period
00310 BOD <sub>5</sub>	00665 Total Phosphorous	01034 Chromium	01147 Total Selenium	50050 Flow
00340 COD	00720 Cyanide	01037 Total Cobalt	31504 Total Coliform	50060 Total Residual Chlorine
00400 pH	00745 Total Sulfide	01042 Copper	31614 Fecal Coliform, MPN, Tube	71880 Formaldehyde
00500 Total Solids	00927 Total Magnesium	01045 Total Iron	31616 Fecal Coliform	71900 Mercury
00530 TSS	00929 Total Sodium	01051 Lead	32730 Total Phenolics	81318 Ferrocyanides
00545 Settleable Solids	00940 Total Chloride	01067 Nickel	38260 MBAS	85652 Time

The monthly average for fecal coliform is to be reported as a geometric MEAN.

If using alternate units for reporting data, please designate.

# EFFLUENT

NPDES PERMIT NO: NC0003239 DISCHARGE NO: 007 MONTH: September YEAR: 1986

FACILITY NAME: Onslow Beach STP CLASS: I COUNTY: Onslow

OPERATOR IN RESPONSIBLE CHARGE (ORC): Mack D. Davis GRADE: IV

CERTIFIED LABORATORY: Water Quality Control Laboratory

PERSON(S) COLLECTING SAMPLES: STP Operators

CHECK BLOCK IF ORC HAS CHANGED

Mail original and one copy to:  
 ATT: Central Files  
 Division of Environmental Management  
 NC Department of NRCDC  
 PO Box 27687  
 Raleigh, North Carolina 27611

I CERTIFY THAT THIS REPORT  
 IS ACCURATE AND COMPLETE TO  
 THE BEST OF MY KNOWLEDGE.

X

*Mack D. Davis*

Signature of operator in responsible charge

DATE	TIME 2400 CLOCK	COMPOSITE TIME	50050	00010	00403	00545	50060	00310	00340	00610	00500	00530	316'6	00300	31504	ENTER PARAMETER CODE ABOVE NAME AND UNITS BELOW		
			FLOW EFF <input type="checkbox"/>	INF <input type="checkbox"/>	DAILY RATE	TEMPERATURE CELSIUS	pH	SETTLABLE MATTER	RESIDUAL CHLORINE	BOD5 20°C	COD	AMMONIA NITROGEN	TOTAL RESIDUE	TOTAL SUSPENDED RESIDUE	FECAL COLIFORM Geometric Mean	DISSOLVED OXYGEN	TOTAL COLIFORM % Geometric Mean	
		HRS	MGD	C°	UNIT	ML/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	/100 ML	MG/L	/100 ML			
1			.18107		6.6		5.0											
2	08 8		.15221		6.4		6.0	6				1			0			
3	08 8		.16336		6.4		4.0											
4	08 8		.16000		6.6		8.0	7				3			0			
5	08 8		.12788		6.7		8.0											
6	08 8		.12879		6.6		6.0											
7	08 8		.13827		6.5		8.0											
8	08 8		.12528		6.6		6.0											
9	08 8		.12126		6.6		6.0	9				1			0			
10	08 8		.13566		6.8		6.0											
11	08 8		.12879		6.4		6.0	8				1						
12	08 8		.15769		6.5		6.0											
13	08 8		.100		6.4		6.0											
14	08 8		.100		6.5		6.0											
15	08 8		.09060		6.4		6.0											
16	08 8		.100		6.8		6.0	11				2			4			
17	08 8		.08405		6.8		8.0											
18	08 8		.09050		6.4		8.0	7				3						
19	08 8		.100		6.6		4.0											
20	08 8		.100		6.4		4.0											
21	08 8		.15600		6.4		4.0											
22	08 8		.13314		6.4		6.0											
23	08 8		.13442		6.6		5.0	7				1			0			
24	08 8		.125		6.5		6.0											
25	08 8		.125		6.4		8.0	8				3						
26	08 8		.125		6.6		6.0											
27	08 8		.140		6.6		8.0											
28	08 8		.150		6.5		6.0											
29	08 8		.16843		6.6		6.0											
30	08 8		.15604		6.6		0.0					2			0			
31																		
<b>Average</b>			12995				5.9	8				2			1.26			
<b>Max.</b>			18107		6.8		8.0	11				3			4			
<b>Min.</b>			08405		6.4		4.0	6				1			0			
<b>Comp.(C)/Grab(G)</b>					G		G	C				C			G			
<b>Monthly Limit</b>					6-9			30				30			70			

Facility Status: ( Please check one of the following)

All monthly averages and / or other limitation do meet permit monitoring requirements  ( Compliant)

All monthly averages and / or other limitation do not meet permit monitoring requirements  ( Noncompliant)

If the facility is noncompliant, please comment on corrective actions being taken in respect to equipment, operation, maintenance, etc. and a time table for improvements to be made.  
( Attach additional sheets if necessary)

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I certify that this Report is accurate and complete to the best of my knowledge:

*Jehan I. Wooten*  
Signature of Permittee

PARAMETER CODES

00010 Temperature	00556 Oil and Grease	00950 Dissolved Fluoride	01077 Silver	39516 PCBS
00065 Stream Stage	00600 Total Nitrogen	01002 Total Arsenic	01087 Total Vanadium	39941 Roundup
00076 Turbidity	00610 Ammonia Nitrogen	01027 Cadmium	01092 Zinc	50047 Max. flow during 24-hr. period
00300 Dissolved Oxygen	00625 Total Kjeldahl Nitrogen	01032 Hexavalent Chromium	01105 Total Aluminum	50048 Min. flow during 24-hr. period
00310 BOD <sub>5</sub>	00665 Total Phosphorous	01034 Chromium	01147 Total Selenium	50050 Flow
00340 COD	00720 Cyanide	01037 Total Cobalt	31504 Total Coliform	50060 Total Residual Chlorine
00400 pH	00745 Total Sulfide	01042 Copper	31614 Fecal Coliform, MPN, Tube	71880 Formaldehyde
00500 Total Solids	00927 Total Magnesium	01045 Total Iron	31616 Fecal Coliform	71900 Mercury
00530 TSS	00929 Total Sodium	01051 Lead	32730 Total Phenolics	81318 Ferrocyaniides
00545 Settleable Solids	00940 Total Chloride	01067 Nickel	38260 MBAS	85652 Time

The monthly average for fecal coliform is to be reported as a geometric MEAN.

If using alternate units for reporting data, please designate.

# Influent

 NPDES NO: NC0003239

 DISCHARGE NO: 001

 MONTH: September

 YEAR: 1986

 FACILITY NAME: Camp Geiger STP

 COUNTY: Onslow

		00400	00010	00545	00310	00610	00500	00530	00340	ENTER PARAMETER CODE ABOVE & NAME AND UNITS BELOW										
Date	Time	PH	Temperature (Celsius)	Settleable Matter	BOD <sub>5</sub> 20 °C	Ammonia Nitrogen	Total Residue	Total Suspended Residue	COD											
	Composite Time									STD UNITS	°C	MI/L	MG/L	MG/L	MG/L	MG/L	MG/L			
1	00	24			92			92												
2	00	24			152			110												
3	00	24			68			64												
4	00	24			128			125												
5	00	24			176			66												
6																				
7																				
8	00	24			152			118												
9	00	24			104			90												
10	00	24			112			78												
11	00	24			120			80												
12	00	24			132			62												
13																				
14																				
15	00	24			132			78												
16	00	24			164			124												
17	00	24			112			88												
18	00	24			132			100												
19	00	24			172			140												
20																				
21																				
22	00	24			112			70												
23	00	24			124			78												
24	00	24			108			70												
25	00	24			128			98												
26	00	24			164			106												
27																				
28																				
29	00	24			120			74												
30	00	24			LE			68												
31																				
AVERAGE					129			90												
MONTHLY MAXIMUM					176			140												
MONTHLY MINIMUM					68			62												
SAMPLE TYPE C or G					C			C												

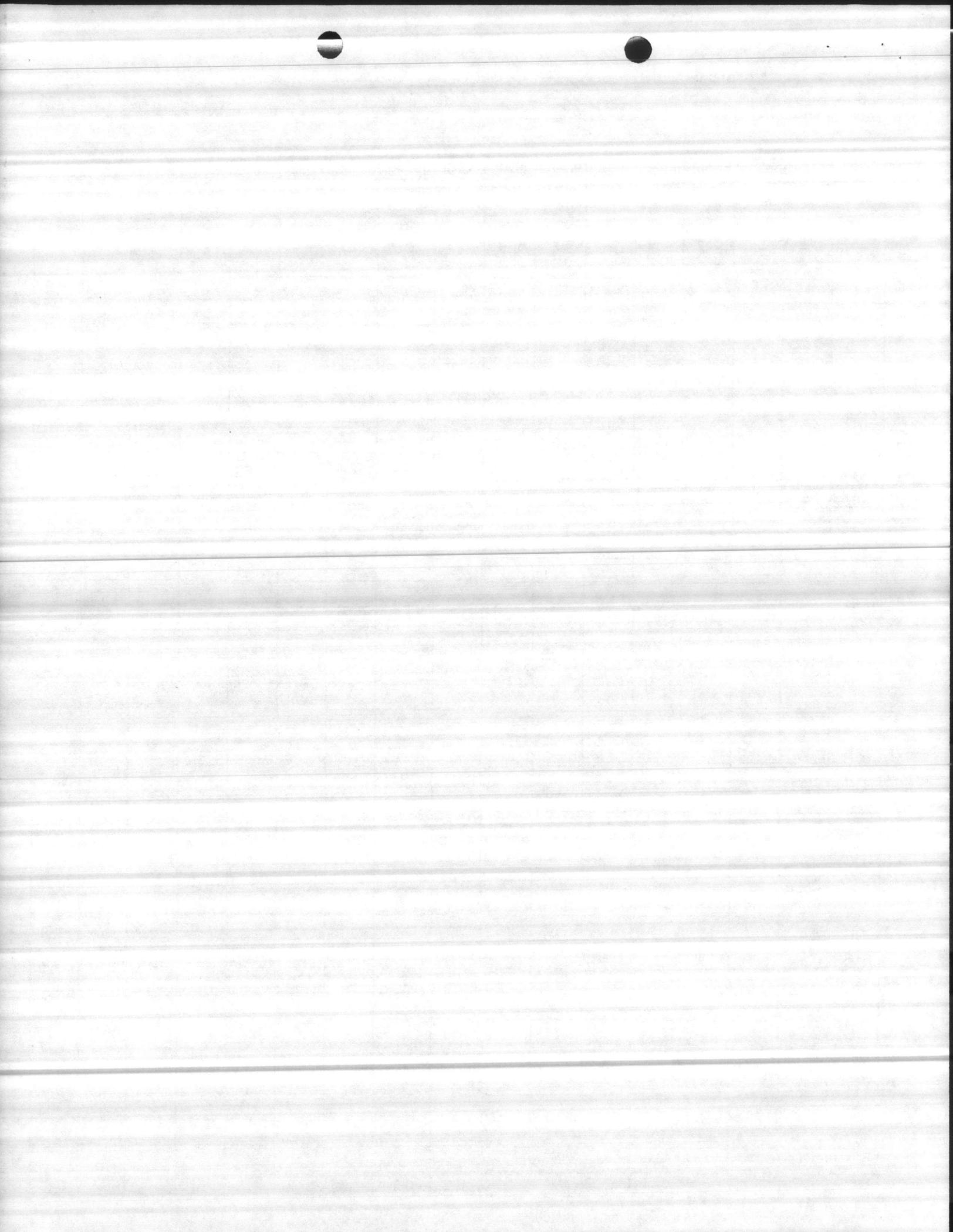


# Influent

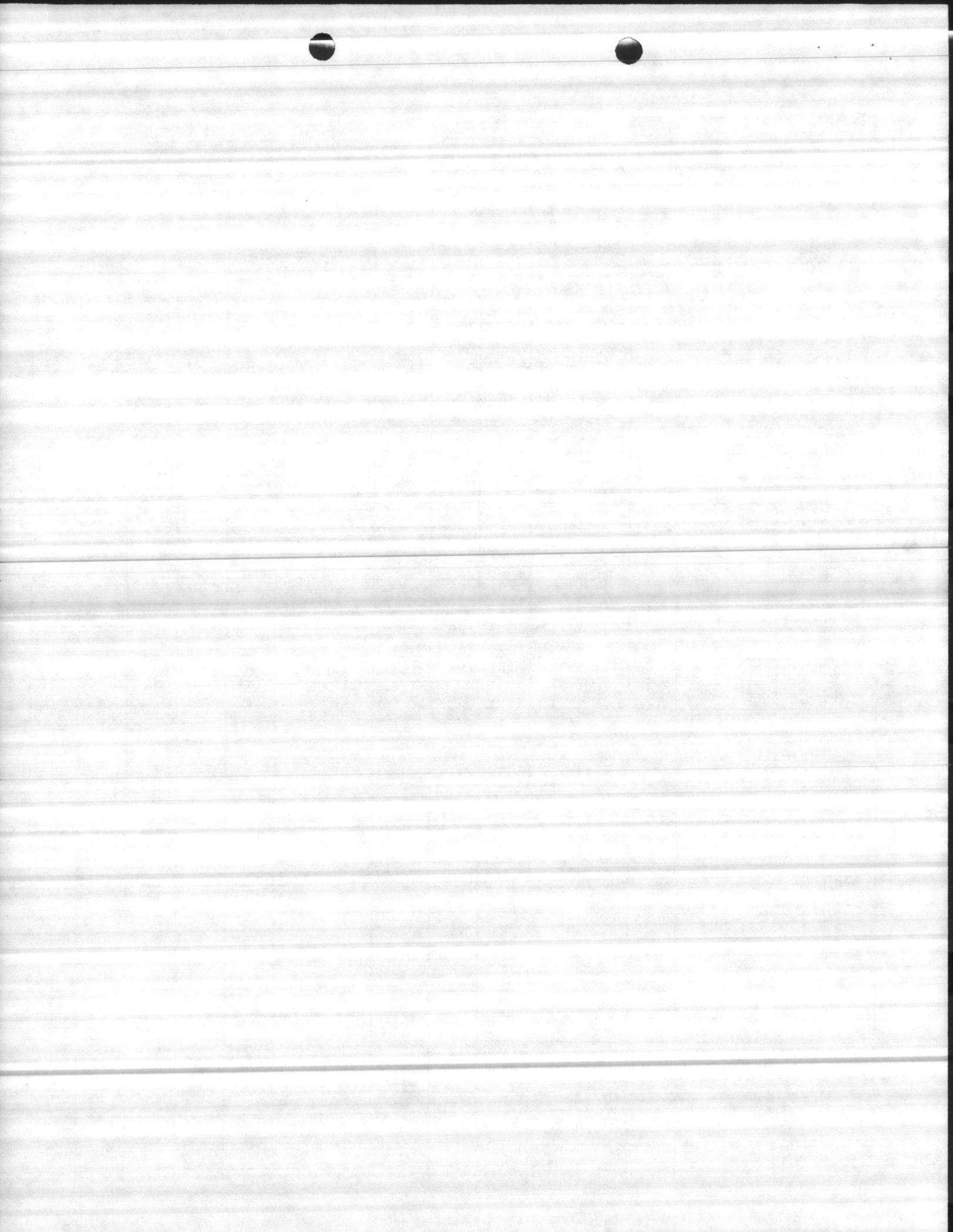
NPDES NO: NC0003239 DISCHARGE NO: 002 MONTH: September YEAR: 1986

FACILITY NAME: Tarawa Terrace STP COUNTY: Onslow

		00400	00010	00545	00310	00610	00500	00530	00340	ENTER PARAMETER CODE ABOVE & NAME AND UNITS BELOW									
Date	Time	Composite Time	PH	Temperature (Celsius)	Settleable Matter	BOD <sub>5</sub> 20 °C	Ammonia Nitrogen	Total Residue	Total Suspended Residue	COD									
	HRS										STD UNITS	°C	MI/L	MG/L	MG/L	MG/L	MG/L	MG/L	
1	00	24				120			160										
2	00	24				132			120										
3	00	24				208			128										
4	00	24				192			102										
5	00	24				168			132										
6																			
7																			
8	00	24				144			225										
9	00	24				124			143										
10	00	24				188			120										
11	00	24				148			42										
12	00	24				168			118										
13																			
14																			
15	00	24				104			160										
16	00	24				124			240										
17	00	24				140			246										
18	00	24				168			96										
19	00	24				188			172										
20																			
21																			
22	00	24				176			168										
23	00	24				112			138										
24	00	24				148			246										
25	00	24				172			122										
26	00	24				144			250										
27																			
28	00	24				128			94										
29	00	24				LE			250										
30																			
31																			
AVERAGE						152			158										
MONTHLY MAXIMUM						208			250										
MONTHLY MINIMUM						104			42										
SAMPLE TYPE C or G						C			C										





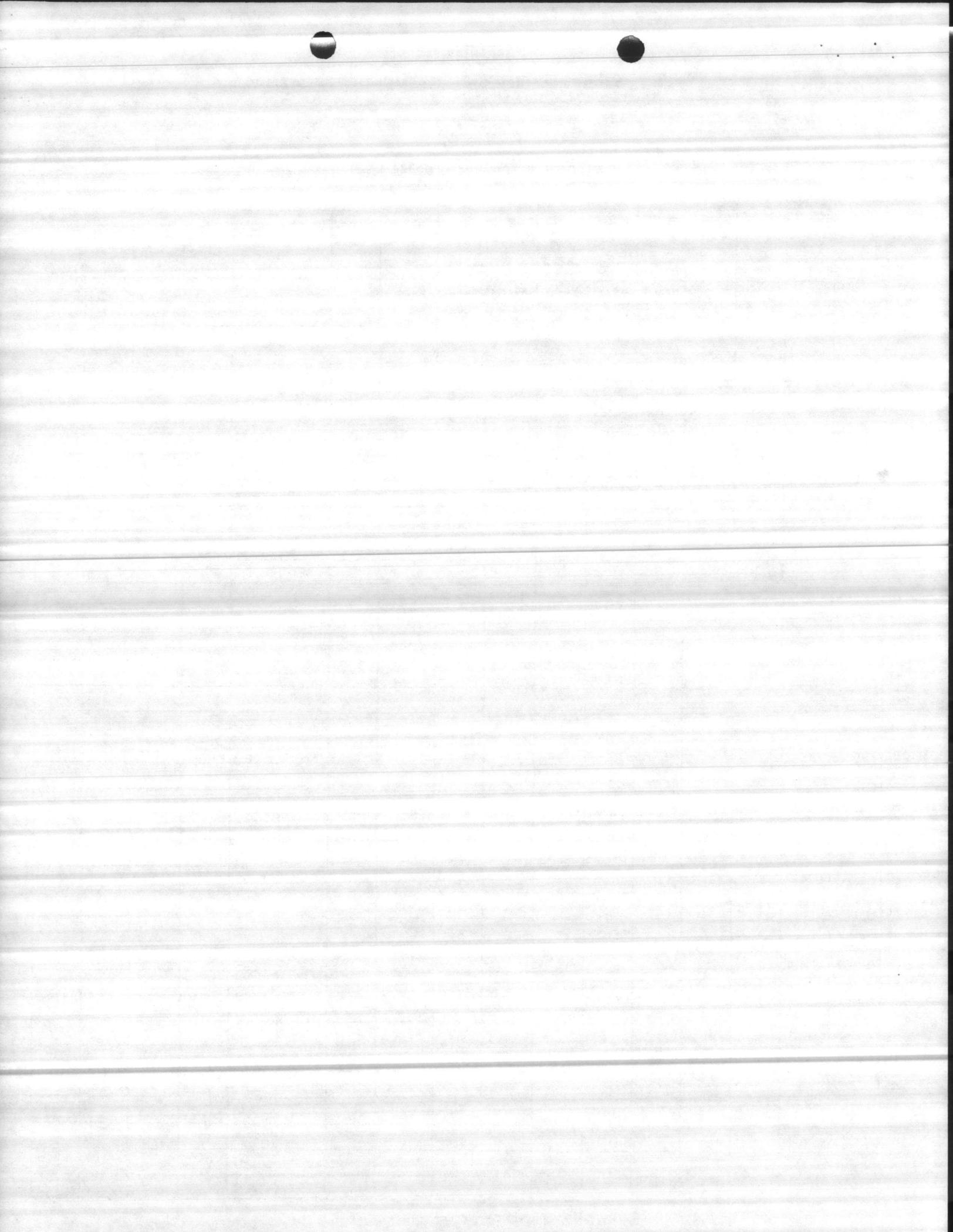


# Influent

NPDES NO: NC0003239 DISCHARGE NO: 004 MONTH: September YEAR: 1986

FACILITY NAME: Hadnot Point STP COUNTY: Onslow

		00400	00010	00545	00310	00610	00500	00530	00340	ENTER PARAMETER CODE ABOVE & NAME AND UNITS BELOW					
Date	Time	Composite Time	PH	Temperature (Celsius)	Settleable Matter	BOD <sub>5</sub> 20 °C	Ammonia Nitrogen	Total Residue	Total Suspended Residue	COD					
		HRS	STD UNITS	°C	MI/L	MG/L	MG/L	MG/L	MG/L	MG/L					
1	00	24				64			46						
2	00	24				104			72						
3	00	24				88			62						
4	00	24				116			88						
5	00	24				128			62						
6															
7															
8	00	24				116			80						
9	00	24				128			84						
10	00	24				100			54						
11	00	24				156			56						
12	00	24				132			112						
13															
14															
15	00	24				112			80						
16	00	24				100			68						
17	00	24				104			46						
18	00	24				116			102						
19	00	24				160			138						
20															
21															
22	00	24				84			68						
23	00	24				124			74						
24	00	24				108			72						
25	00	24				100			84						
26	00	24				120			92						
27															
28															
29	00	24				124			100						
30	00	24				LE			94						
31															
AVERAGE						114			79						
MONTHLY MAXIMUM						160			138						
MONTHLY MINIMUM						64			46						
SAMPLE TYPE C or G						C			C						

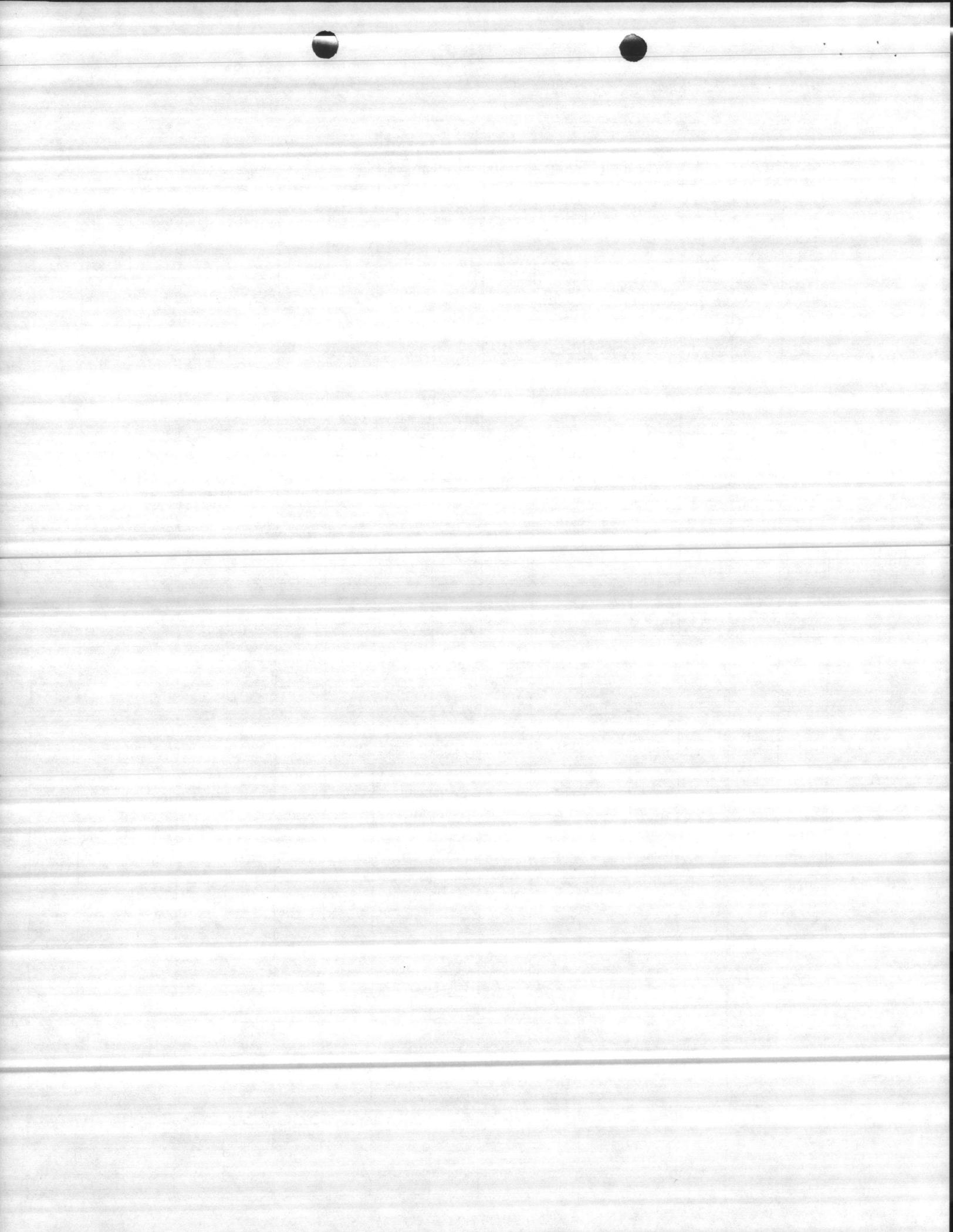


# Influent

NPDES NO: NC0003239 DISCHARGE NO: 005 MONTH: September YEAR: 1986

FACILITY NAME: Rifle Range STP COUNTY: Onslow

		00400	00010	00545	00310	00610	00500	00530	00340	ENTER PARAMETER CODE ABOVE & NAME AND UNITS BELOW									
Date	Time	Composite Time	PH	Temperature (Celsius)	Settleable Matter	BOD <sub>5</sub> 20 °C	Ammonia Nitrogen	Total Residue	Total Suspended Residue	COD									
		HRS	STD UNITS	°C	MI/L	MG/L	MG/L	MG/L	MG/L	MG/L									
1																			
2	08	8				36			118										
3																			
4	08	8				28			44										
5																			
6																			
7																			
8																			
9	08	8				56			54										
10																			
11	08	8				32			54										
12																			
13																			
14																			
15																			
16	08	8				40			28										
17																			
18	08	8				40			198										
19																			
20																			
21																			
22																			
23	08	8				32			15										
24																			
25	08	8				28			122										
26																			
27																			
28																			
29																			
30	08	8				LE			36										
31																			
AVERAGE						37			74										
MONTHLY MAXIMUM						56			198										
MONTHLY MINIMUM						28			15										
SAMPLE TYPE C or G						C			C										

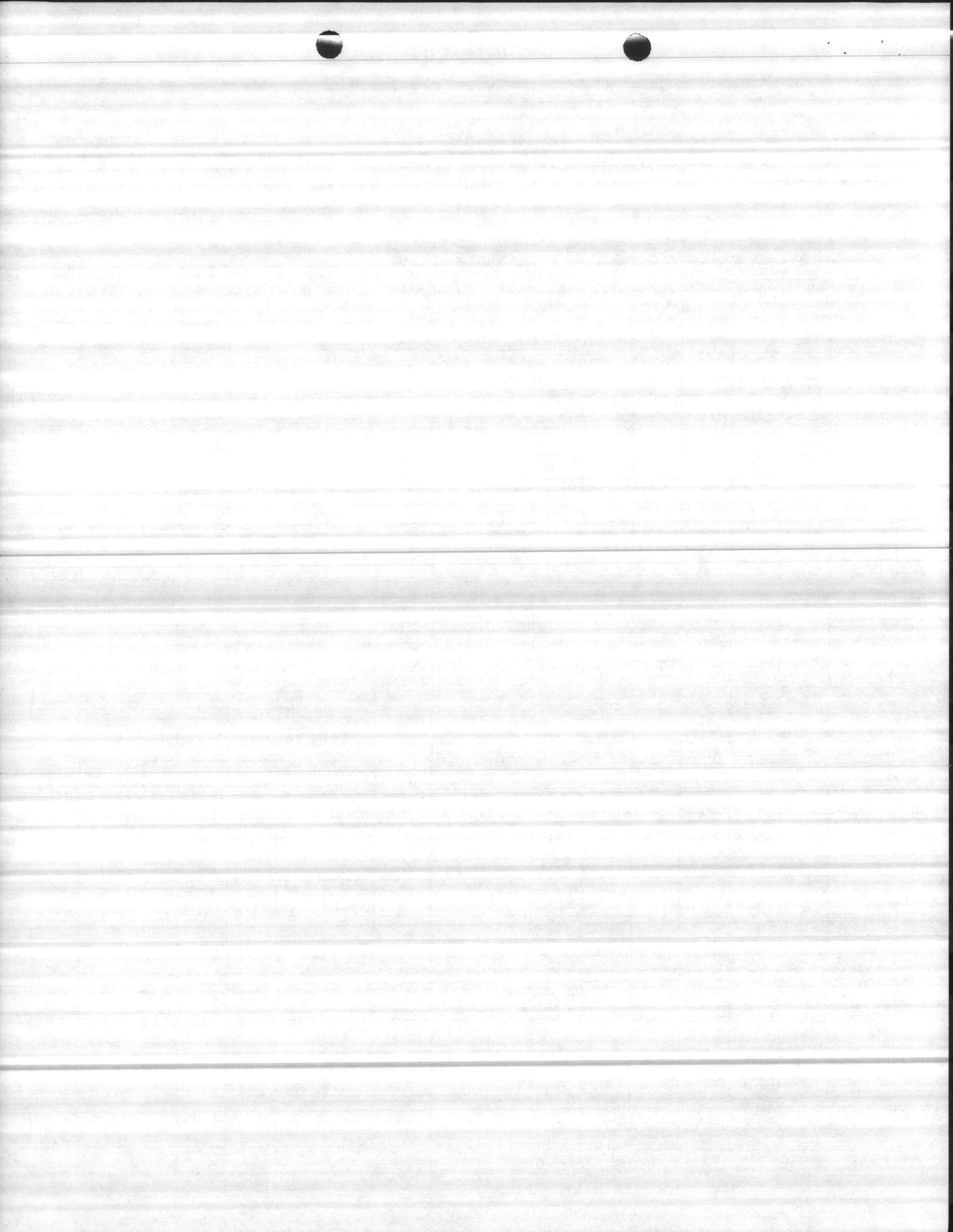


# Influent

NPDES NO: NC0003239 DISCHARGE NO: 006 MONTH: September YEAR: 1986

FACILITY NAME: Courthouse Bay STP COUNTY: Onslow

		00400	00010	00545	00310	00610	00500	00530	00340	ENTER PARAMETER CODE ABOVE & NAME AND UNITS BELOW				
Date	Time	Composite Time	PH	Temperature (Celsius)	Settleable Matter	BOD <sub>5</sub> 20 °C	Ammonia Nitrogen	Total Residue	Total Suspended Residue	COD				
		HRS	STD UNITS	°C	MI/L	MG/L	MG/L	MG/L	MG/L	MG/L				
1														
2	08	8				104		102						
3														
4	08	8				72		96						
5														
6														
7														
8														
9	08	8				28		14						
10														
11	08	8				200		200						
12														
13														
14														
15														
16	08	8				60		44						
17														
18	08	8				124		190						
19														
20														
21														
22														
23	08	8				216		183						
24														
25	08	8				44		36						
26														
27														
28														
29														
30	08	8				LE		92						
31														
AVERAGE						106		106						
MONTHLY MAXIMUM						216		200						
MONTHLY MINIMUM						28		14						
SAMPLE TYPE C or G						C		C						

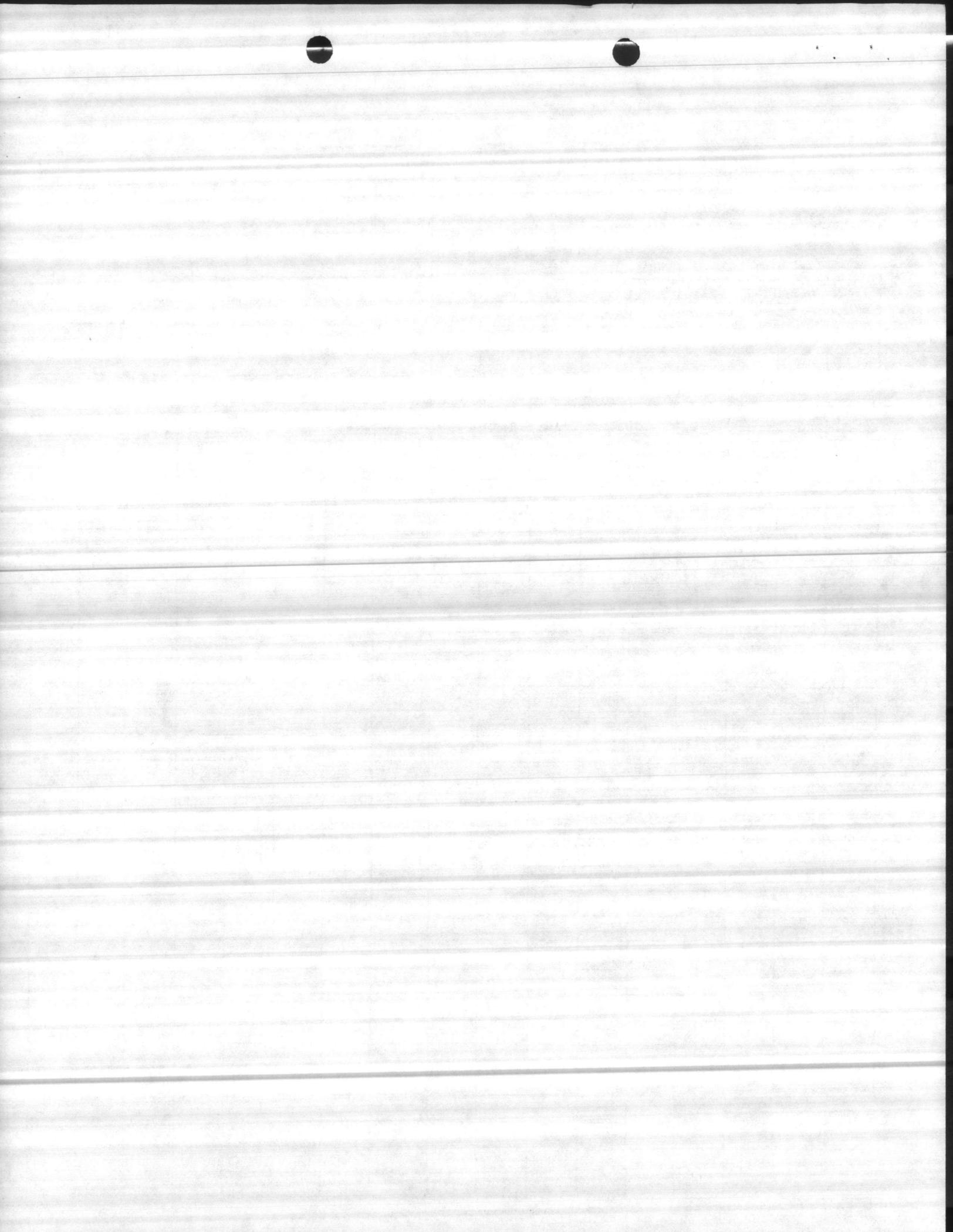


# Influent

NPDES NO: NC000 3239 DISCHARGE NO: 007 MONTH: September YEAR: 1986

FACILITY NAME: Onslow Beach STP COUNTY: Onslow

Date	Time	Composite Time	00400	00010	00545	00310	00610	00500	00530	00340	ENTER PARAMETER CODE ABOVE & NAME AND UNITS BELOW							
			PH	Temperature (Celsius)	Settleable Matter	BOD <sub>5</sub> 20 °C	Ammonia Nitrogen	Total Residue	Total Suspended Residue	COD								
			STD UNITS	°C	MI/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L							
1																		
2	08	8				52			50									
3																		
4	08	8				128			60									
5																		
6																		
7																		
8																		
9	08	8				108			80									
10																		
11	08	8				92			16									
12																		
13																		
14																		
15																		
16	08	8				92			72									
17																		
18	08	8				56			78									
19																		
20																		
21																		
22																		
23	08	8				72			46									
24																		
25	08	8				60			30									
26																		
27																		
28																		
29																		
30	08	8				LE			19									
31																		
AVERAGE						83			50									
MONTHLY MAXIMUM						128			80									
MONTHLY MINIMUM						52			16									
SAMPLE TYPE C or G						C			C									



NPDES NO: NC0003239 DISCHARGE NO: 001 MONTH: September YEAR: 1986  
 FACILITY NAME: Camp Geiger STP COUNTY: Onslow

STREAM: New River

STREAM: New River

LOCATION: RW01 - At Hughes Marina

LOCATION: RW04 - Hospital Point

## Upstream

## Downstream

		00010	00300	00400	00310	00340	31616	Enter Parameter Code above Name and Units Below	
Date	Time 2400 Clock	Temperature (Celsius)	Dissolved Oxygen	PH	BOD <sub>5</sub> 20°C	COD	Fecal Coliform *Geometric Mean	Enter Parameter Code above Name and Units Below	
								OIL	GREASE
	HRS	°C	MG/L	STD UNITS	MG/L	MG/L	100 ml	MG/L	
1									
2									
3									
4									
5									
6									
7									
8	10	25	3.9	7.1	2.7		200	2.4	
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
Average	25	3.9			2.7		200	2.4	
Monthly Maximum	25	3.9	7.1		2.7		200	2.4	
Monthly Minimum	25	3.9	7.1		2.7		200	2.4	

		00010	00300	00400	00310	00340	31616	Enter Parameter Code above Name and Units Below	
Date	Time 2400 Clock	Temperature (Celsius)	Dissolved Oxygen	PH	BOD <sub>5</sub> 20°C	COD	Fecal Coliform *Geometric Mean	Enter Parameter Code above Name and Units Below	
								OIL	GREASE
	HRS	°C	MG/L	STD UNITS	MG/L	MG/L	100 ml	MG/L	
1									
2									
3									
4									
5									
6									
7									
8	10	25	9.0	8.5	4.5		0	4.0	
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
Average	25	9.0			4.5		0	4.0	
Monthly Maximum	25	9.0	8.5		4.5		0	4.0	
Monthly Minimum	25	9.0	8.5		4.5		0	4.0	



NPDES NO: NC0003239

DISCHARGE NO: 002

MONTH: September

YEAR: 1986

FACILITY NAME: Tarawa Terrace STP

COUNTY: Onslow

STREAM: Northeast Creek

STREAM: Northeast Creek

LOCATION: RW02 - Ar Hwy 24 Bridge

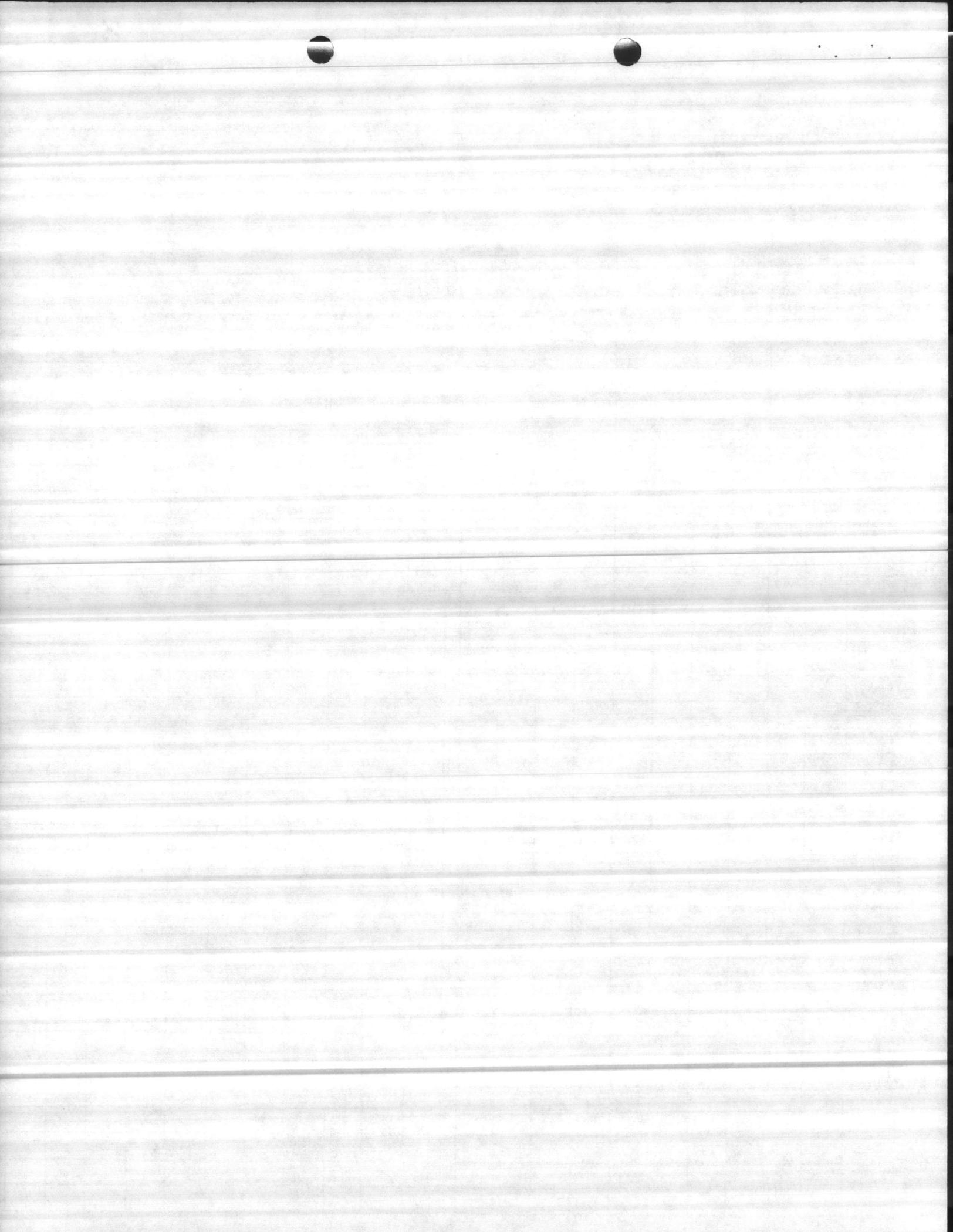
LOCATION: RW03 - Between discharge 002 & 003

## Upstream

## Downstream

Date	000100		003000		004000		003100		003400		31616		Enter Parameter Code above Name and Units Below	
	Time 2400 Clock	Temperature (Celsius)	Dissolved Oxygen	PH	BOD5 20°C	COD	Fecal Coliform *Geometric Mean	Oil	GREASE					
	HRS	°C	MG/L	STD UNITS	MG/L	MG/L	100 ml	MG/L						
1														
2														
3														
4														
5														
6														
7														
8	10	24	0.0	6.9	0.0		400	0.0						
9														
10														
11														
12														
13														
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														
25														
26														
27														
28														
29														
30														
31														
Average	24	0.0		6.9	0.0		400	0.0						
Monthly Maximum	24	0.0		6.9	0.0		400	0.0						
Monthly Minimum	24	0.0		6.9	0.0		400	0.0						

Date	000100		003000		004000		003100		003400		31616		Enter Parameter Code above Name and Units Below	
	Time 2400 Clock	Temperature (Celsius)	Dissolved Oxygen	PH	BOD5 20°C	COD	Fecal Coliform *Geometric Mean	Oil	GREASE					
	HRS	°C	MG/L	STD UNITS	MG/L	MG/L	100 ml	MG/L						
1														
2														
3														
4														
5														
6														
7														
8	10	25	6.8	7.8	3.8		8	2.0						
9														
10														
11														
12														
13														
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														
25														
26														
27														
28														
29														
30														
31														
Average	10	25	6.8	7.8	3.8		8	2.0						
Monthly Maximum	10	25	6.8	7.8	3.8		8	2.0						
Monthly Minimum	10	25	6.8	7.8	3.8		8	2.0						



NPDES NO: NCC003239 DISCHARGE NO: 003 MONTH: September YEAR: 1986

FACILITY NAME: Montfort Point SIP (Camp Johnson) COUNTY: Onslow

STREAM: Northeast Creek STREAM: New River

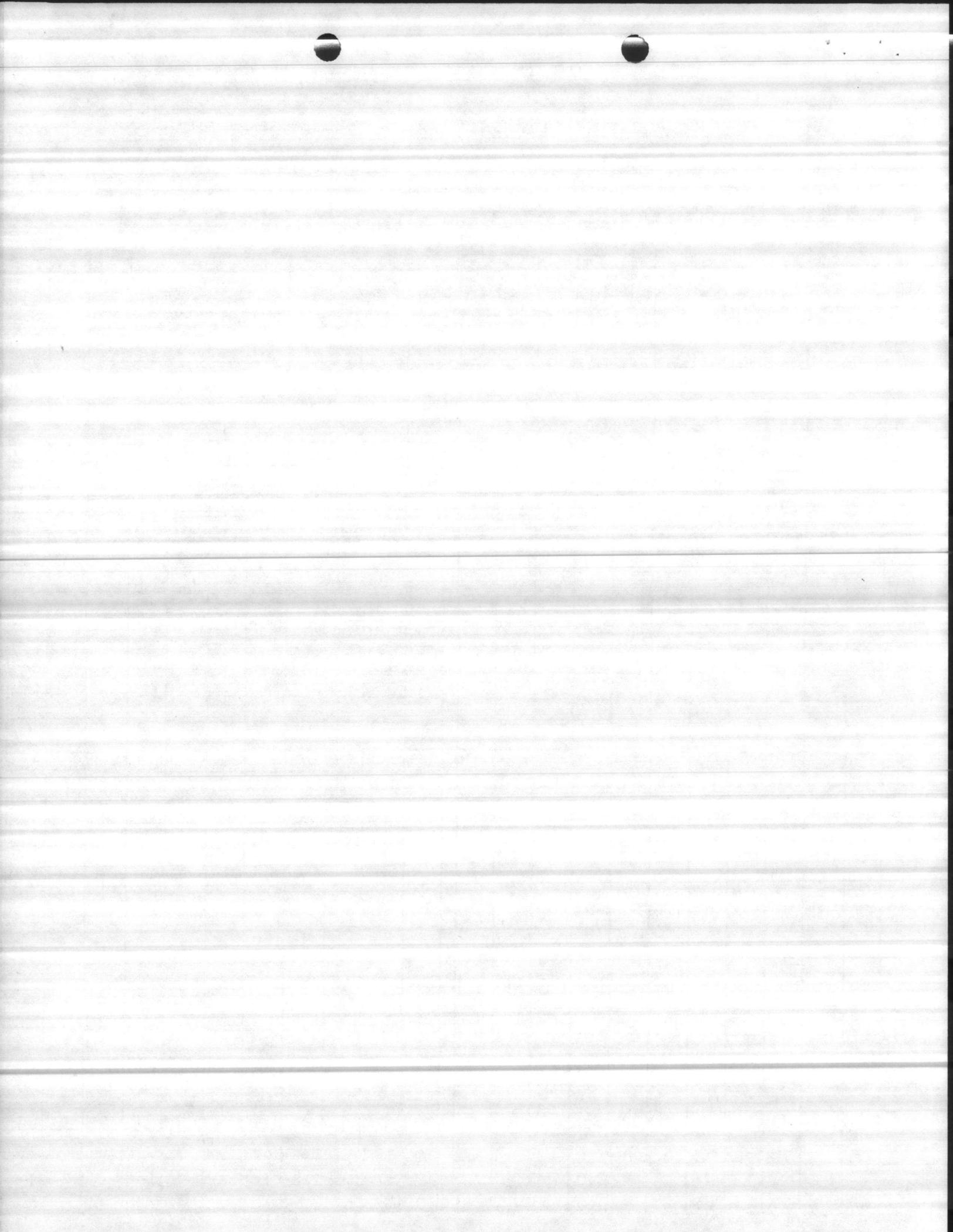
LOCATION: RW03 - Between discharge 002 & 003 LOCATION: RW04 - Hospital Point

## Upstream

## Downstream

Date	Time 2400 Clock	Temperature (Celsius)	Dissolved Oxygen	PH	BOD <sub>5</sub> 20°C	COD	Fecal Coliform *Geometric Mean	Enter Parameter Code above Name and Units Below	
								OIL	GREASE
								HRS	MG/L
1									
2									
3									
4									
5									
6									
7									
8	10	25	6.8	7.8	3.8		8	2.0	
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
Average		25	6.8		3.8		8	2.0	
Monthly Maximum		25	6.8	7.8	3.8		8	2.0	
Monthly Minimum		25	6.8	7.8	3.8		8	2.0	

Date	Time 2400 Clock	Temperature (Celsius)	Dissolved Oxygen	PH	BOD <sub>5</sub> 20°C	COD	Fecal Coliform *Geometric Mean	Enter Parameter Code above Name and Units Below	
								OIL	GREASE
								HRS	MG/L
1									
2									
3									
4									
5									
6									
7									
8									
9									
10	10	25	9.0	8.5	4.5		0	4.0	
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
Average		25	9.0		4.5		0	4.0	
Monthly Maximum		10	25	9.0	8.5	4.5	0	4.0	
Monthly Minimum		10	25	9.0	8.5	4.5	0	4.0	



NPDES NO: NCC003239

DISCHARGE NO: 004

MONTH: September

YEAR: 1986

FACILITY NAME: Hadnot Point STP

COUNTY: Onslow

STREAM: New River

STREAM: New River

LOCATION: RW04 - Hospital Point

LOCATION: RW05 - Marker # 35

## Upstream

## Downstream

		000100	003000	004000	003100	003400	31616	Enter Parameter Code above Name and Units Below	
Date	Time 2400 Clock	Temperature (Celsius)	Dissolved Oxygen	PH	BOD <sub>5</sub> 20°C	COD	Fecal Coliform *Geometric Mean	OIL	GREASE
	HRS	°C	MG/L	STD UNITS	MG/L	MG/L	100 ml	MG/L	
1									
2									
3									
4									
5									
6									
7									
8	10	25	9.0	8.5	4.5		0	4.0	
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
Average	25	9.0	9.0	8.5	4.5		0	4.0	
Monthly Maximum	25	9.0	9.0	8.5	4.5		0	4.0	
Monthly Minimum	25	9.0	9.0	8.5	4.5		0	4.0	

		000100	003000	004000	003100	003400	31616	Enter Parameter Code above Name and Units Below	
Date	Time 2400 Clock	Temperature (Celsius)	Dissolved Oxygen	PH	BOD <sub>5</sub> 20°C	COD	Fecal Coliform *Geometric Mean	OIL	GREASE
	HRS	°C	MG/L	STD UNITS	MG/L	MG/L	100 ml	MG/L	
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11	26	7.9	7.9	8.3	4.5		4	2.2	
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
Average	26	7.9	7.9	8.3	4.5		4	2.2	
Monthly Maximum	26	7.9	7.9	8.3	4.5		4	2.2	
Monthly Minimum	26	7.9	7.9	8.3	4.5		4	2.2	



NPDES NO: NCO003239 CHARGE NO: 005 MONTH: September YEAR: 1986

FACILITY NAME: Rifle Range STP COUNTY: Onslow

STREAM: New River STREAM: New River

LOCATION: RW05 - Marker # 35 LOCATION: RW06 - Sneads Ferry Bridge

## Upstream

## Downstream

Date	0001 003000 0400 00310 00340 31616										Enter Parameter Code above Name and Units Below		
	Time 2400 Clock	Temperature (Celsius)	Dissolved Oxygen	PH	BOD5 20°C	COD	Fecal Coliform *Geometric Mean	OIL	GREASE				
	HRS	°C	MG/L	STD UNITS	MG/L	MG/L	100 ml	MG/L	MG/L				
1													
2													
3													
4													
5													
6													
7													
8	11	26	7.9	8.3	4.5		4	2.2					
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													
24													
25													
26													
27													
28													
29													
30													
31													
Average	26	7.9	8.3	4.5		4	2.2						
Monthly Maximum	26	7.9	8.3	4.5		4	2.2						
Monthly Minimum	26	7.9	8.3	4.5		4	2.2						

Date	00010 003000 0400 00310 00340 31616										Enter Parameter Code above Name and Units Below		
	Time 2400 Clock	Temperature (Celsius)	Dissolved Oxygen	PH	BOD5 20°C	COD	Fecal Coliform *Geometric Mean	OIL	GREASE				
	HRS	°C	MG/L	STD UNITS	MG/L	MG/L	100 ml	MG/L	MG/L				
1													
2													
3													
4													
5													
6													
7													
8													
9													
10													
11	11	26	6.9	8.1	2.7		0	2.4					
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													
24													
25													
26													
27													
28													
29													
30													
31													
Average	11	26	6.9	8.1	2.7		0	2.4					
Monthly Maximum	11	26	6.9	8.1	2.7		0	2.4					
Monthly Minimum	11	26	6.9	8.1	2.7		0	2.4					



NPDES NO: NC0003239 DISCHARGE NO: 006 MONTH: September YEAR: 1986

FACILITY NAME: Courthouse Bay STP COUNTY: Onslow

STREAM: New River STREAM: New River

LOCATION: RW06 - Sneads Ferry Bridge LOCATION: RW07 - Mouth of Inlet

### Upstream

### Downstream

		00010	00300	00400	00310	00340	31616	Enter Parameter Code above Name and Units Below	
Date	Time 2400 Clock	Temperature (Celsius)	Dissolved Oxygen	PH	BOD <sub>5</sub> 20°C	COD	Fecal Coliform *Geometric Mean		
								01L +	01E-1.5E
	HRS	°C	MG/L	STD UNITS	MG/L	MG/L	100 ml	MG/L	
1									
2									
3									
4									
5									
6									
7									
8	11	26	6.9	8.1	2.7		0	2.4	
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
Average	26	6.9	8.1	2.7			0	2.4	
Monthly Maximum	26	6.9	8.1	2.7			0	2.4	
Monthly Minimum	26	6.9	8.1	2.7			0	2.4	

		00010	00300	00400	00310	00340	31616	Enter Parameter Code above Name and Units Below	
Date	Time 2400 Clock	Temperature (Celsius)	Dissolved Oxygen	PH	BOD <sub>5</sub> 20°C	COD	Fecal Coliform *Geometric Mean		
								01L +	01E-1.5E
	HRS	°C	MG/L	STD UNITS	MG/L	MG/L	100 ml	MG/L	
1									
2									
3									
4									
5									
6									
7									
8	11	25	6.4	8.1	0.5		0	0.0	
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
Average	11	25	6.4	8.1	0.5		0	0.0	
Monthly Maximum	11	25	6.4	8.1	0.5		0	0.0	
Monthly Minimum	11	25	6.4	8.1	0.5		0	0.0	



NPDES NO: NCC003239

DISCHARGE NO: 007

MONTH: September

YEAR: 1986

FACILITY NAME: Onslow Beach STP

COUNTY: Onslow

STREAM: Intracoastal Waterway

STREAM: Intracoastal Waterway

LOCATION: RW08 - East of Discharge 007

LOCATION: RW09 - West of Discharge 007

### Upstream

### Downstream

Date	000100030000400003100034031616										Enter Parameter Code above Name and Units Below		
	Time 2400 Clock	Temperature (Celsius)	Dissolved Oxygen	PH	BOD5 20°C	COD	Fecal Coliform *Geometric Mean	OIL †	GREASE				
	HRS	°C	MG/L	STD UNITS	MG/L	MG/L	100 ml	MG/L					
1													
2													
3													
4													
5													
6													
7													
8	12	24	6.6	8.1	0.8		0	0.0					
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													
24													
25													
26													
27													
28													
29													
30													
31													
Average	24	6.6			0.8		0	0.0					
Monthly Maximum	24	6.6	8.1		0.8		0	0.0					
Monthly Minimum	24	6.6	8.1		0.8		0	0.0					

Date	000100030000400003100034031616										Enter Parameter Code above Name and Units Below		
	Time 2400 Clock	Temperature (Celsius)	Dissolved Oxygen	PH	BOD5 20°C	COD	Fecal Coliform *Geometric Mean	OIL †	GREASE				
	HRS	°C	MG/L	STD UNITS	MG/L	MG/L	100 ml	MG/L					
1													
2													
3													
4													
5													
6													
7													
8	12	26	6.1	8.0	1.8		0	0.8					
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													
24													
25													
26													
27													
28													
29													
30													
31													
Average	12	26	6.1		1.8		0	0.8					
Monthly Maximum	12	26	6.1	8.0	1.8		0	0.8					
Monthly Minimum	12	26	6.1	8.0	1.8		0	0.8					



CSJ  
118



UNITED STATES MARINE CORPS  
Marine Corps Base  
Camp Lejeune, North Carolina 28542-5001

6288  
NREAD  
24 Nov 86

Mr. Paul Wilms, Director  
Division of Environmental Management  
NC Department of Natural Resources  
and Community Development  
Post Office Box 27687  
Raleigh, North Carolina 27611

Dear Sir:

In accordance with requirements of the National Pollutant Discharge Elimination System (NPDES) Permit Number NC0003239, two copies of Discharge Monitoring Reports (DMRs) for the month of September 1986 are submitted.

There are no stream samplings for the Courthouse Bay Wastewater Treatment Plant or the Onslow Beach Wastewater Treatment Plant or downstream analysis for the Rifle Range Wastewater Treatment Plant due to inclement weather, i.e., high winds, which halted sampling run.

The storm drains listed on the enclosed table may be correlated with base geography and facilities by referring to maps with numbered storm drains monitoring points that have been previously provided. Storm drains that have no values reported for the quarter were checked; however, each time they were checked they were either dry or had no flow. The Base Environmental staff is continuing to work on operational control methodology to reduce oil and grease and total suspended residue discharges. New construction to replace outdated base facilities should further reduce oil and grease and total suspended residue discharges.

Questions regarding this report should be forwarded to Ms. Elizabeth Betz, Supervisory Chemist, Natural Resources and Environmental Affairs Division, Assistant Chief of Staff, Facilities at (919) 451-5977.

Sincerely,

J. I. WOOTEN  
Director, Natural Resources Division  
Assistant Chief of Staff, Facilities  
By direction of the Commanding General

Encls:

(1) DEM Forms MR-1, MR-2 & MR-3 (2 copies)

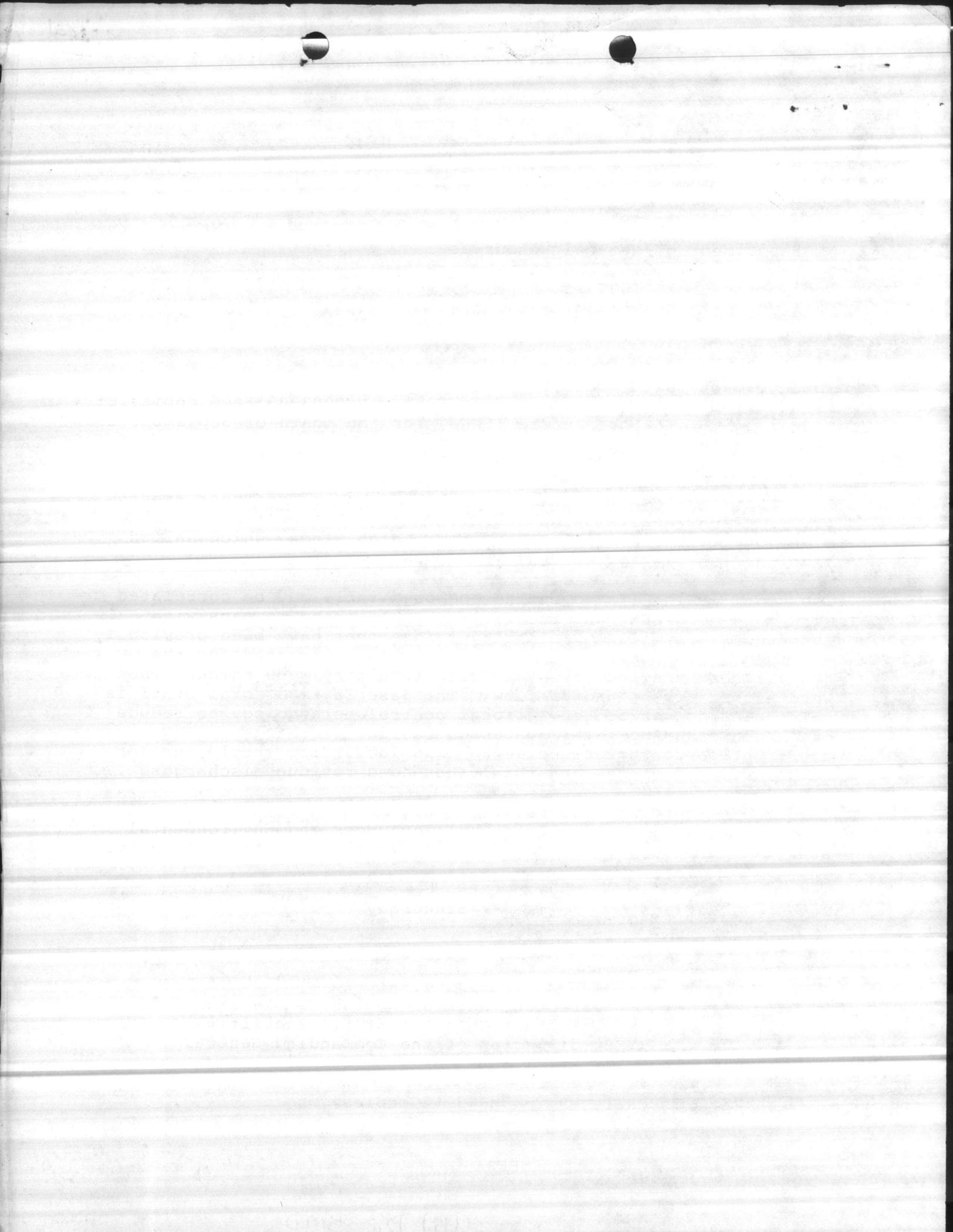
Copy to:

EPA Region IV  
CMDR LANTNAVFACENCOM

NEESA

BCC: (2)

→ Util Dir, BMD



# EFFLUENT

NPDES PERMIT NO: NC0003239      DISCHARGE NO: 014      MONTH: October      YEAR: 1986  
 FACILITY NAME: Onslow Beach Water Treatment Pond      CLASS: NA      COUNTY: Onlow  
 OPERATOR IN RESPONSIBLE CHARGE (ORC): Mack D. Davis      GRADE: IV  
 CERTIFIED LABORATORY: Water Quality Control Laboratory      PERSON(S) COLLECTING SAMPLES: STP Operators

CHECK BLOCK IF ORC HAS CHANGED

Mail original and one copy to:  
 ATT: Central Files  
 Division of Environmental Management  
 NC Department of NRCD  
 PO Box 27687  
 Raleigh, North Carolina 27611

I CERTIFY THAT THIS REPORT  
 IS ACCURATE AND COMPLETE TO  
 THE BEST OF MY KNOWLEDGE.

X *Mack D. Davis*  
 Signature of operator in responsible charge

DATE	TIME 2400 CLOCK	COMPOSITE TIME	50050	00010	00400	00545	50060	00310	00340	00610	00500	00530	31616	00300	ENTER PARAMETER CODE ABOVE NAME AND UNITS BELOW		
			FLOW EFF <input type="checkbox"/>	TEMPERATURE CELSIUS		SETTLABLE MATTER	RESIDUAL CHLORINE	BOD5 20°C	COD	AMMONIA NITROGEN	TOTAL RESIDUE	TOTAL SUSPENDED RESIDUE	FECAL COLIFORM <small>Geometric Mean</small>	DISSOLVED OXYGEN			
			DAILY RATE		pH												
			HRS MGD		C° UNIT	ML/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	/100 ML	MG/L			
1																	
2																	
3																	
4																	
5																	
6																	
7	8				8.3							11					
8																	
9																	
10																	
11																	
12																	
13																	
14	8				8.3							14					
15																	
16																	
17																	
18																	
19																	
20																	
21	8				8.0							9					
22																	
23																	
24																	
25																	
26																	
27																	
28	8				7.8							1					
29																	
30																	
31																	
<b>Average</b>												9					
<b>Max.</b>					8.3							14					
<b>Min.</b>					7.8							1					
<b>Comp.(C)/ Grab(G)</b>					G							C					
<b>Monthly Limit</b>					6-10							30					

Facility Status: ( Please check one of the following)

All monthly averages and / or other limitation do meet permit monitoring requirements

( Compliant)

All monthly averages and / or other limitation do not meet permit monitoring requirements

( Noncompliant)

If the facility is noncompliant, please comment on corrective actions being taken in respect to equipment, operation, maintenance, etc. and a time table for improvements to be made.

( Attach additional sheets if necessary)

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I certify that this Report is accurate and complete to the best of my knowledge:

*Johan J. Wooten*  
Signature of Permittee

PARAMETER CODES

00010 Temperature	00556 Oil and Grease	00950 Dissolved Fluoride	01077 Silver	39516 PCBS
00065 Stream Stage	00600 Total Nitrogen	01002 Total Arsenic	01087 Total Vanadium	39941 Roundup
00076 Turbidity	00610 Ammonia Nitrogen	01027 Cadmium	01092 Zinc	50047 Max. flow during 24-hr. period
00300 Dissolved Oxygen	00625 Total Kjeldahl Nitrogen	01032 Hexavalent Chromium	01105 Total Aluminum	50048 Min. flow during 24-hr. period
00310 BOD <sub>5</sub>	00665 Total Phosphorous	01034 Chromium	01147 Total Selenium	50050 Flow
00340 COD	00720 Cyanide	01037 Total Cobalt	31504 Total Coliform	50060 Total Residual Chlorine
00400 pH	00745 Total Sulfide	01042 Copper	31614 Fecal Coliform, MPN, Tube	71880 Formaldehyde
00500 Total Solids	00927 Total Magnesium	01045 Total Iron	31616 Fecal Coliform	71900 Mercury
00530 TSS	00929 Total Sodium	01051 Lead	32730 Total Phenolics	81318 Ferrocyanides
00545 Settleable Solids	00940 Total Chloride	01067 Nickel	38260 MBAS	85652 Time

The monthly average for fecal coliform is to be reported as a geometric MEAN.

If using alternate units for reporting data, please designate.

# EFFLUENT

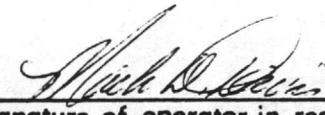
NPDES PERMIT NO: NC0003239 DISCHARGE NO: 007 MONTH: October YEAR: 1986  
 FACILITY NAME: Onslow Beach STP CLASS: II COUNTY: Onslow  
 OPERATOR IN RESPONSIBLE CHARGE (ORC): Mack D. Davis GRADE: IV  
 CERTIFIED LABORATORY: Water Quality Control Laboratory

PERSON(S) COLLECTING SAMPLES: STP Operators

CHECK BLOCK IF ORC HAS CHANGED

Mail original and one copy to:  
 ATT: Central Files  
 Division of Environmental Management  
 NC Department of NRCD  
 PO Box 27687  
 Raleigh, North Carolina 27611

I CERTIFY THAT THIS REPORT  
 IS ACCURATE AND COMPLETE TO  
 THE BEST OF MY KNOWLEDGE.

X 

Signature of operator in responsible charge

DATE	TIME 2400 CLOCK	COMPOSITE TIME	50050	00010	00403	00545	50060	00310	00340	00610	00500	00530	316'6	00300	31504	ENTER PARAMETER CODE ABOVE NAME AND UNITS BELOW		
			FLOW EFF <input type="checkbox"/> INF <input type="checkbox"/>	TEMPERATURE CELSIUS	pH	SETTLABLE MATTER	RESIDUAL CHLORINE	BOD5 20°C	COD	AMMONIA NITROGEN	TOTAL RESIDUE	TOTAL SUSPENDED RESIDUE	FECAL COLIFORM Geometric Mean	DISSOLVED OXYGEN	TOTAL COLIFORMS & GEOMETRIC MEAN			
			DAILY RATE															
			HRS MGD	C°	UNIT	ML/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	/100 ML	MG/L	/100 ML			
1			.0697		6.7		6.0											
2	08	8	.0811		4.0		4.0	7				1						L.E.
3	08	8	.6484		6.5		8.0											
4	08	8	.5849		6.4		6.0											
5	08	8	.5279		6.7		4.0											
6	08	8	.9805		6.9		4.0											
7	08	8	1.1622		6.8		5.0	11				6						40
8	08	8	.9764		7.0		2.0											
9	08	8	.8361		6.6		3.0	7				2						4000
10	08	8	.6200		6.5		4.0											
11	08	8	.6068		6.6		5.0											
12	08	8	.9758		6.6		5.0											
13	08	8	1.2953		6.4		4.0											
14	08	8	1.6563		6.9		4.0	2				5						0
15	08	8	.9623		6.6		6.0											
16	08	8	.80450		6.5		4.0	6				1						2
17	08	8	.9388		6.8		5.0											
18	08	8	.87630		6.4		3.0											
19	08	8	1.3092		6.4		4.0											
20	08	8	1.1126		6.6		4.0											
21	08	8	.7050		6.5		4.0	7				2						0
22	08	8	.9347		6.8		5.0											
23	08	8	.9124		6.7		6.0	9				1						0
24	08	8	.6858		6.7		5.0											
25	08	8	.6350		6.7		6.0											
26	08	8	.7650		6.8		5.0											
27	08	8	.7202		6.6		4.0											
28	08	8	.9446		6.7		5.0	10				0.2						4
29	08	8	.2492		6.7		6.0											
30	08	8	.2280		6.7		4.0	10				3						0
31	08	8	.2600		6.8		6.0											
<b>Average</b>			.82005				6.0	7				2						4.74
<b>Max.</b>			1.6563		7.0		8.0	11				6						0
<b>Min.</b>			.2280		6.4		2.0	2				0.2						4000
<b>Comp.(C)/ Grnb(G)</b>					G		G	C				C						G
<b>Monthly Limit</b>					6-9			30				30						70

Facility Status: ( Please check one of the following)

All monthly averages and / or other limitation do meet permit monitoring requirements

( Compliant)

All monthly averages and / or other limitation do not meet permit monitoring requirements

( Noncompliant)

If the facility is noncompliant, please comment on corrective actions being taken in respect to equipment, operation, maintenance, etc. and a time table for improvements to be made.  
( Attach additional sheets if necessary)

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I certify that this Report is accurate and complete to the best of my knowledge:

*Julian J. Wooten*

Signature of Permittee

PARAMETER CODES

00010 Temperature	00556 Oil and Grease	00950 Dissolved Fluoride	01077 Silver	39516 PCBS
00065 Stream Stage	00600 Total Nitrogen	01002 Total Arsenic	01087 Total Vanadium	39941 Roundup
00076 Turbidity	00610 Ammonia Nitrogen	01027 Cadmium	01092 Zinc	50047 Max. flow during 24-hr. period
00300 Dissolved Oxygen	00625 Total Kjeldahl Nitrogen	01032 Hexavalent Chromium	01105 Total Aluminum	50048 Min. flow during 24-hr. period
00310 BOD <sub>5</sub>	00665 Total Phosphorous	01034 Chromium	01147 Total Selenium	50050 Flow
00340 COD	00720 Cyanide	01037 Total Cobalt	31504 Total Coliform	50060 Total Residual Chlorine
00400 pH	00745 Total Sulfate	01042 Copper	31614 Fecal Coliform, MPN, Tube	71880 Formaldehyde
00500 Total Solids	00927 Total Magnesium	01045 Total Iron	31616 Fecal Coliform	71900 Mercury
00530 TSS	00929 Total Sodium	01051 Lead	32730 Total Phenolics	81318 Ferrocyanides
00545 Settleable Solids	00940 Total Chloride	01067 Nickel	38260 MBAS	85652 Time

The monthly average for fecal coliform is to be reported as a geometric MEAN.

If using alternate units for reporting data, please designate.

# EFFLUENT

**NPDES PERMIT NO:** NC0003239 **DISCHARGE NO:** 006 **MONTH:** October **YEAR:** 1986  
**FACILITY NAME:** Courthouse Bay STP **CLASS:** II **COUNTY:** Onslow  
**OPERATOR IN RESPONSIBLE CHARGE (ORC):** Mack D. Davis **GRADE:** IV  
**CERTIFIED LABORATORY:** Water Quality Control Laboratory

CHECK BLOCK IF ORC HAS CHANGED

Mail original and one copy to:  
 ATT: Central Files  
 Division of Environmental Management  
 NC Department of NRCD  
 PO Box 27687  
 Raleigh, North Carolina 27611

**PERSON(S) COLLECTING SAMPLES:** STP Operators

I CERTIFY THAT THIS REPORT  
 IS ACCURATE AND COMPLETE TO  
 THE BEST OF MY KNOWLEDGE.

X Mack D. Davis  
 Signature of operator in responsible charge

DATE	TIME 2400 CLOCK	COMPOSITE TIME	50050	00010	00409	00545	50060	00310	00340	00610	00500	00530	31616	00300	31504	ENTER PARAMETER CODE ABOVE NAME AND UNITS BELOW		
			FLOW	TEMPERATURE	PH	SETTLABLE MATTER	RESIDUAL CHLORINE	BOD5	COD	AMMONIA NITROGEN	TOTAL RESIDUE	TOTAL SUSPENDED RESIDUE	FECAL COLIFORM	DISSOLVED OXYGEN	TOTAL SOLID	Geometric Mean	Geometric Mean	Geometric Mean
			DAILY RATE	CELSIUS	UNIT	ML/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	/100 ML	MG/L	/100 ML			
1			.3629			6.9	3.0											
2	08	8	.4043			6.8	3.0	5				2						L.E.
3	08	8	.3835			6.8	3.0											
4	08	8	.3433			6.8	3.0											
5	08	8	.3626			7.0	4.0											
6	08	8	.4168			6.8	3.5											
7	08	8	.5936			6.5	3.5	11				5						0
8	08	8	.7598			6.8	3.5											
9	08	8	.5818			6.8	4.0	7				4						0
10	08	8	.6992			6.8	3.5											
11	08	8	.4895			6.8	3.5											
12	08	8	.5400			6.9	4.0											
13	08	8	.6069			6.8	4.0											
14	08	8	.7192			6.6	2.5	3				8						0
15	08	8	.5252			6.8	3.0											
16	08	8	.5468			6.6	4.0	6				1						36
17	08	8	.7080			6.6	4.0											
18	08	8	.5812			6.8	4.0											
19	08	8	.5889			6.8	3.0											
20	08	8	.5286			6.6	3.5											
21	08	8	.7207			6.6	2.0	4				4						0
22	08	8	.4904			6.6	3.0											
23	08	8	.4860			6.4	3.5	5				6						0
24	08	8	.4039			6.6	3.3											
25	08	8	.5665			6.4	4.0											
26	08	8	.5255			6.7	4.0											
27	08	8	.3423			6.7	3.5											
28	08	8	.3223			6.9	3.0	7				2						2
29	08	8	.2720			6.8	3.5											
30	08	8	.3538			7.3	4.0	8				7						8
31	08	8	.4961			7.0	4.0											
<b>Average</b>			.5072				3.5	6				4						2.21
<b>Max.</b>			.7598			6.7	4.0	11				8						36
<b>Min.</b>			.2720			6.4	2.0	3				1						0
<b>Comp.(C)/ Grmb(G)</b>						G	G	C				C						G
<b>Monthly Limit</b>						6-9		30				30						70

Facility Status: ( Please check one of the following)

All monthly averages and / or other limitation do meet permit monitoring requirements  ( Compliant)

All monthly averages and / or other limitation do not meet permit monitoring requirements  ( Noncompliant)

If the facility is noncompliant, please comment on corrective actions being taken in respect to equipment, operation, maintenance, etc. and a time table for improvements to be made.

( Attach additional sheets if necessary)

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 -----  
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I certify that this Report is accurate and complete to the best of my knowledge:

*Juban L. Wooten*  
 Signature of Permittee

PARAMETER CODES

00010 Temperature	00556 Oil and Grease	00950 Dissolved Fluoride	01077 Silver	39516 PCBS
00065 Stream Stage	00600 Total Nitrogen	01002 Total Arsenic	01087 Total Vanadium	39941 Roundup
00076 Turbidity	00610 Ammonia Nitrogen	01027 Cadmium	01092 Zinc	50047 Max. flow during 24-hr. period
00300 Dissolved Oxygen	00625 Total Kjeldahl Nitrogen	01032 Hexavalent Chromium	01105 Total Aluminum	50048 Min. flow during 24-hr. period
00310 BOD <sub>5</sub>	00665 Total Phosphorous	01034 Chromium	01147 Total Selenium	50050 Flow
00340 COD	00720 Cyanide	01037 Total Cobalt	31504 Total Coliform	50060 Total Residual Chlorine
00400 pH	00745 Total Sulfide	01042 Copper	31614 Fecal Coliform, MPN, Tube	71880 Formaldehyde
00500 Total Solids	00927 Total Magnesium	01045 Total Iron	31616 Fecal Coliform	71900 Mercury
00530 TSS	00929 Total Sodium	01051 Lead	32730 Total Phenolics	81318 Ferrocyanides
00545 Settleable Solids	00940 Total Chloride	01067 Nickel	38260 MBAS	85652 Time

The monthly average for fecal coliform is to be reported as a geometric MEAN.

If using alternate units for reporting data, please designate.

# EFFLUENT

**NPDES PERMIT NO:** NC0003239    **DISCHARGE NO:** 005    **MONTH:** October    **YEAR:** 1986  
**FACILITY NAME:** Rifle Range STP    **CLASS:** II    **COUNTY:** Onslow  
**OPERATOR IN RESPONSIBLE CHARGE (ORC):** Mack D. Davis    **GRADE:** IV  
**CERTIFIED LABORATORY:** Water Quality Control Laboratory

CHECK BLOCK IF ORC HAS CHANGED

Mail original and one copy to:  
 ATT: Central Files  
 Division of Environmental Management  
 NC Department of NRCD  
 PO Box 27687  
 Raleigh, North Carolina 27611

**PERSON(s) COLLECTING SAMPLES:** STP Operators

I CERTIFY THAT THIS REPORT  
 IS ACCURATE AND COMPLETE TO  
 THE BEST OF MY KNOWLEDGE.

X

*Mack D. Davis*

**Signature of operator in responsible charge**

DATE	TIME 2400 CLOCK	COMPOSITE TIME	50050	00010	00409	00545	50060	00310	00340	00610	00500	00530	316'6	00300	31504			
			FLOW	TEMPERATURE	PH	SETTLABLE	RESIDUAL	BOD5	COD	AMMONIA	TOTAL	TOTAL	FECAL	DISSOLVED	TOTAL	ENTER PARAMETER CODE ABOVE NAME AND UNITS BELOW		
			DAILY RATE	CELSIUS		MATTER	CHLORINE	20°C		NITROGEN	RESIDUE	SUSPENDED RESIDUE	COLIFORM	OXYGEN	COLIFORM	AMMONIA	RESIDUE	
			MGD	C°	UNIT	ML/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	/100 ML	MG/L	/100 ML			
1			.19721		6.8		4.0											
2	08	8	.19109		7.2		6.0	5				1						L.E.
3	08	8	.19360		6.8		6.0											
4	08	8	.18871		6.8		3.0											
5	08	8	.18558		6.8		8.0											
6	08	8	.16311		6.8		6.0											
7	08	8	.13594		6.4		8.0	9				3						2
8	08	8	.14252		6.4		8.0											
9	08	8	.15478		6.6		8.0	7				2						2
10	08	8	.1410		6.6		8.0											
11	08	8	.14303		6.9		8.0											
12	08	8	.1590		6.9		8.0											
13	08	8	.14453		6.9		8.0											
14	08	8	.19447		6.8		2.0	2				5						110
15	08	8	.14973		7.2		8.0											
16	08	8	.15072		7.2		5.0	4				0.3						2
17	08	8	.13723		6.8		8.0											
18	08	8	.17434		6.4		8.0											
19	08	8	.14970		6.6		6.0											
20	08	8	.13703		6.6		2.0											
21	08	8	.13689		6.2		6.0	4				4						0
22	08	8	.15105		6.4		8.0											
23	08	8	.14307		6.6		3.0	5				2						0
24	08	8	.13296		6.8		8.0											
25	08	8	.19041		6.8		8.0											
26	08	8	.18229		6.9		8.0											
27	08	8	.18843		6.8		6.0											
28	08	8	.14829		6.8		2.0	6				0.2						0
29	08	8	.18923		6.8		8.0											
30	08	8	.16892		7.0		4.0	5				3						0
31	08	8	.14596		7.0		6.0											
<b>Average</b>			161639				6.3	9				2						2.33
<b>Max.</b>			19721		7.2		8.0	9				5						110
<b>Min.</b>			132960		6.7		2.0	2				0.2						0
<b>Comp.(C)/Grab(G)</b>					G		G	C				C						G
<b>Monthly Limit</b>					6-9			30				30						70

Facility Status: ( Please check one of the following)

All monthly averages and / or other limitation do meet permit monitoring requirements  ( Compliant)

All monthly averages and / or other limitation do not meet permit monitoring requirements  ( Noncompliant)

If the facility is noncompliant, please comment on corrective actions being taken in respect to equipment, operation, maintenance, etc. and a time table for improvements to be made.  
( Attach additional sheets if necessary)

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I certify that this Report is accurate and complete to the best of my knowledge:

*Julian J. Wooten*  
-----  
Signature of Permittee

PARAMETER CODES

00010 Temperature	00556 Oil and Grease	00950 Dissolved Fluoride	01077 Silver	39516 PCBS
00065 Stream Stage	00600 Total Nitrogen	01002 Total Arsenic	01087 Total Vanadium	39941 Roundup
00076 Turbidity	00610 Ammonia Nitrogen	01027 Cadmium	01092 Zinc	50047 Max. flow during 24-hr. period
00300 Dissolved Oxygen	00625 Total Kjeldahl Nitrogen	01032 Hexavalent Chromium	01105 Total Aluminum	50048 Min. flow during 24-hr. period
00310 BOD <sub>5</sub>	00665 Total Phosphorous	01034 Chromium	01147 Total Selenium	50050 Flow
00340 COD	00720 Cyanide	01037 Total Cobalt	31504 Total Coliform	50060 Total Residual Chlorine
00400 pH	00745 Total Sulfide	01042 Copper	31614 Fecal Coliform, MPN, Tube	71880 Formaldehyde
00500 Total Solids	00927 Total Magnesium	01045 Total Iron	31616 Fecal Coliform	71900 Mercury
00530 TSS	00929 Total Sodium	01051 Lead	32730 Total Phenolics	81318 Ferrocyanides
00545 Settleable Solids	00940 Total Chloride	01067 Nickel	38260 MBAS	85652 Time

The monthly average for fecal coliform is to be reported as a geometric MEAN.

If using alternate units for reporting data, please designate.

# EFFLUENT

**NPDES PERMIT NO:** NC0003239    **DISCHARGE NO:** 004    **MONTH:** October    **YEAR:** 1986  
**FACILITY NAME:** Hadnot Point STP    **CLASS:** IV    **COUNTY:** Onslow  
**OPERATOR IN RESPONSIBLE CHARGE (ORC):** Mack D. Davis    **GRADE:** IV  
**CERTIFIED LABORATORY:** Water Quality Control Laboratory

**PERSON(s) COLLECTING SAMPLES:** STP Operators

CHECK BLOCK IF ORC HAS CHANGED

Mail original and one copy to:  
 ATT: Central Files  
 Division of Environmental Management  
 NC Department of NRCD  
 PO Box 27687  
 Raleigh, North Carolina 27611

I CERTIFY THAT THIS REPORT  
 IS ACCURATE AND COMPLETE TO  
 THE BEST OF MY KNOWLEDGE.

X

*Mack D. Davis*

Signature of operator in responsible charge

DATE	TIME 2400 CLOCK	COMPOSITE TIME	50050	00010	00409	00545	50060	00310	00340	00610	00500	00530	316*6	00300	31504	ENTER PARAMETER CODE ABOVE NAME AND UNITS BELOW		
			FLOW	TEMPERATURE CELSIUS	PH	SETTLABLE MATTER	RESIDUAL CHLORINE	BOD5 20°C	COD	AMMONIA NITROGEN	TOTAL RESIDUE	TOTAL SUSPENDED RESIDUE	FECAL COLIFORM	DISSOLVED OXYGEN	TOTAL COLIFORM 480 MPN/100 ML			
			EFF <input type="checkbox"/>													INF <input type="checkbox"/>	DAILY RATE	
HRS	MGD	C°	UNIT	ML/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	/100 ML	MG/L	/100 ML				
1	00	24	3.043		6.7		4.0	11				6			16			
2	00	24	4.518		6.7		3.0	12				4			L.E.			
3	00	24	4.952		6.8		4.0	15				7			2/2			
4	00	24	4.587		6.7		4.0											
5	00	24	5.176		6.9		4.0											
6	00	24	5.884		6.9		4.5	15				7			14/2			
7	00	24	5.998		6.8		4.0	15				10			4/2			
8	00	24	6.410		6.8		4.0	12				6			10			
9	00	24	5.935		6.6		3.0	13				10			0			
10	00	24	5.840		6.5		3.0	18				9			0			
11	00	24	4.563		6.8		4.0											
12	00	24	4.596		6.8		4.0											
13	00	24	4.730		6.8		4.0	16				9			16/2			
14	00	24	5.673		6.8		3.5	14				14			20/2			
15	00	24	4.933		6.8		4.0	20				0.4			16/4			
16	00	24	5.332		6.6		3.0	22				8			4/2			
17	00	24	5.323		6.9		3.0	24				12			0			
18	00	24	4.626		6.9		4.0											
19	00	24	4.856		6.9		5.0											
20	00	24	5.923		6.8		4.0	20				8			0			
21	00	24	5.960		6.9		4.0	20				11			6			
22	00	24	5.713		6.8		4.0	19				12			0/0			
23	00	24	5.724		6.8		4.0	23				10			20/4			
24	00	24	5.655		6.8		4.5	28				10			0/0			
25	00	24	5.689		6.8		4.0											
26	00	24	5.567		6.8		4.0											
27	00	24	5.619		6.6		4.0	13				7			14/2			
28	00	24	5.750		6.7		4.0	22				7			4/2			
29	00	24	5.630		6.8		4.0	22				12			20/0			
30	00	24	6.045		6.9		4.0	19				7			880/2			
31	00	24	5.768		6.9		4.0	31				17			6/0			
<b>Average</b>			5.356				3.9	18				8			5.57			
<b>Max.</b>			6.045		6.9		5.0	28				17			880			
<b>Min.</b>			3.043		6.5		3.0	11				0.4			0			
<b>Comp.(C)/ Grab(G)</b>					G		G	C				C		G	G			
<b>Monthly Limit</b>					6-9			30				30			70			

Facility Status: ( Please check one of the following)

All monthly averages and / or other limitation do meet permit monitoring requirements

( Compliant)

All monthly averages and / or other limitation do not meet permit monitoring requirements

( Noncompliant)

If the facility is noncompliant, please comment on corrective actions being taken in respect to equipment, operation, maintenance, etc. and a time table for improvements to be made.

( Attach additional sheets if necessary)

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I certify that this Report is accurate and complete to the best of my knowledge:

*Julian J. Wooten*  
 \_\_\_\_\_  
 Signature of Permittee

PARAMETER CODES

00010 Temperature	00556 Oil and Grease	00950 Dissolved Fluoride	01077 Silver	39516 PCBS
00065 Stream Stage	00600 Total Nitrogen	01002 Total Arsenic	01087 Total Vanadium	39941 Roundup
00076 Turbidity	00610 Ammonia Nitrogen	01027 Cadmium	01092 Zinc	50047 Max. flow during 24-hr. period
00300 Dissolved Oxygen	00625 Total Kjeldahl Nitrogen	01032 Hexavalent Chromium	01105 Total Aluminum	50048 Min. flow during 24-hr. period
00310 BOD <sub>5</sub>	00665 Total Phosphorous	01034 Chromium	01147 Total Selenium	50050 Flow
00340 COD	00720 Cyanide	01037 Total Cobalt	31504 Total Coliform	50060 Total Residual Chlorine
00400 pH	00745 Total Sulfide	01042 Copper	31614 Fecal Coliform, MPN, Tube	71880 Formaldehyde
00500 Total Solids	00927 Total Magnesium	01045 Total Iron	31616 Fecal Coliform	71900 Mercury
00530 TSS	00929 Total Sodium	01051 Lead	32730 Total Phenolics	81318 Ferrocyanides
00545 Settleable Solids	00940 Total Chloride	01067 Nickel	38260 MBAS	85652 Time

The monthly average for fecal coliform is to be reported as a geometric MEAN.

If using alternate units for reporting data, please designate.

# EFFLUENT

**NPDES PERMIT NO:** NC0003239 **DISCHARGE NO:** 003 **MONTH:** October **YEAR:** 1986  
**FACILITY NAME:** Montford Point (Camp Johnson) **CLASS:** II **COUNTY:** Onslow  
**OPERATOR IN RESPONSIBLE CHARGE (ORC):** Mack D. Davis **GRADE:** IV  
**CERTIFIED LABORATORY:** Water Quality Control Laboratory

**PERSON(S) COLLECTING SAMPLES:** STP Operators

CHECK BLOCK IF ORC HAS CHANGED

Mail original and one copy to:  
 ATT: Central Files  
 Division of Environmental Management  
 NC Department of NRCD  
 PO Box 27687  
 Raleigh, North Carolina 27611

I CERTIFY THAT THIS REPORT  
 IS ACCURATE AND COMPLETE TO  
 THE BEST OF MY KNOWLEDGE.

X

*Mack D. Davis*

Signature of operator in responsible charge

DATE	TIME 2400 CLOCK	COMPOSITE TIME	50050	00010	00409	00545	50060	00310	00340	00610	00500	00530	31616	00300	ENTER PARAMETER CODE ABOVE NAME AND UNITS BELOW		
			FLOW EFF INF	TEMPERATURE		SETTLABLE MATTER	RESIDUAL CHLORINE	BOD5 20°C	COD	AMMONIA NITROGEN	TOTAL RESIDUE	TOTAL SUSPENDED RESIDUE	FECAL COLIFORM	DISSOLVED OXYGEN			
			DAILY RATE	CELSIUS	PH	ML/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	/100 ML	MG/L			
1			.371		7.0		4.0										
2	08	8	.453		7.0		4.0	7				3	12				
3	08	8	.347		6.8		1.5										
4	08	8	.462		6.9		8.0										
5	08	8	.467		6.8		6.0										
6	08	8	.391		6.8		3.0										
7	08	8	.391		6.8		1.5	19				4	6				
8	08	8	.342		6.8		4.0										
9	08	8	.306		6.8		3.0	7				3	8				
10	08	8	.429		7.0		2.0										
11	08	8	.371		6.7		8.0										
12	08	8	.357		6.8		5.0										
13	08	8	.399		6.8		8.0										
14	08	8	.372		6.8		2.0	4				5	4				
15	08	8	.575		6.8		2.5										
16	08	8	.435		6.8		4.0	10				4	0				
17	08	8	.344		6.8		4.0										
18	08	8	.344		6.9		4.0										
19	08	8	.406		6.8		3.0										
20	08	8	.376		7.0		3.0										
21	08	8	.395		7.0		5.0	8				8	12				
22	08	8	.404		6.8		4.0										
23	08	8	.394		6.9		4.0	12				7	0				
24	08	8	.390		6.9		5.0										
25	08	8	.323		6.9		5.0										
26	08	8	.430		6.8		6.0										
27	08	8	.439		7.0		5.0										
28	08	8	.421		7.0		5.0	10				1	2				
29	08	8	.432		6.8		4.0										
30	08	8	.377		6.7		6.0	9				3	6				
31	08	8	.316		7.0		1.5										
<b>Average</b>			.3955				4.2	10				4	4.1				
<b>Max.</b>			.5750		7.0		8.0	19				8	12				
<b>Min.</b>			.3060		6.7		1.5	4				1	0				
<b>Comp.(C)/Grab(G)</b>					G		G	C				C	G				
<b>Monthly Limit</b>					6-9			30				30	200				

Facility Status: ( Please check one of the following)

All monthly averages and / or other limitation do meet permit monitoring requirements

( Compliant)

All monthly averages and / or other limitation do not meet permit monitoring requirements

( Noncompliant)

If the facility is noncompliant, please comment on corrective actions being taken in respect to equipment, operation, maintenance, etc. and a time table for improvements to be made.  
( Attach additional sheets if necessary)

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I certify that this Report is accurate and complete to the best of my knowledge:

*Gubari I. Wooten*  
Signature of Permittee

PARAMETER CODES

00010 Temperature	00556 Oil and Grease	00950 Dissolved Fluoride	01077 Silver	39516 PCBS
00065 Stream Stage	00600 Total Nitrogen	01002 Total Arsenic	01087 Total Vanadium	39941 Roundup
00076 Turbidity	00610 Ammonia Nitrogen	01027 Cadmium	01092 Zinc	50047 Max. flow during 24-hr. period
00300 Dissolved Oxygen	00625 Total Kjeldahl Nitrogen	01032 Hexavalent Chromium	01105 Total Aluminum	50048 Min. flow during 24-hr. period
00310 BOD <sub>5</sub>	00665 Total Phosphorous	01034 Chromium	01147 Total Selenium	50050 Flow
00340 COD	00720 Cyanide	01037 Total Cobalt	31504 Total Coliform	50060 Total Residual Chlorine
00400 pH	00745 Total Sulfide	01042 Copper	31614 Fecal Coliform, MPN, Tube	71880 Formaldehyde
00500 Total Solids	00927 Total Magnesium	01045 Total Iron	31616 Fecal Coliform	71900 Mercury
00530 TSS	00929 Total Sodium	01051 Lead	32730 Total Phenolics	81318 Ferrocyanides
00545 Settleable Solids	00940 Total Chloride	01067 Nickel	38260 MBAS	85652 Time

The monthly average for fecal coliform is to be reported as a geometric MEAN.

If using alternate units for reporting data, please designate.

# EFFLUENT

**NPDES PERMIT NO:** NC0003239    **DISCHARGE NO:** 002    **MONTH:** October    **YEAR:** 1986  
**FACILITY NAME:** Tarawa Terrace STP    **CLASS:** III    **COUNTY:** Onslow  
**OPERATOR IN RESPONSIBLE CHARGE (ORC):** Mack D. Davis    **GRADE:** IV  
**CERTIFIED LABORATORY:** Water Quality Control Laboratory

**PERSON(S) COLLECTING SAMPLES:** STP Operators

CHECK BLOCK IF ORC HAS CHANGED

Mail original and one copy to:  
 ATT: Central Files  
 Division of Environmental Management  
 N C Department of NRCD  
 PO Box 27687  
 Raleigh, North Carolina 27611

I CERTIFY THAT THIS REPORT  
 IS ACCURATE AND COMPLETE TO  
 THE BEST OF MY KNOWLEDGE.

X

*Mack D. Davis*

Signature of operator in responsible charge

DATE	TIME 2400 CLOCK	COMPOSITE TIME	50050	00010	00403	00545	50060	00310	00340	00610	00500	00530	31616	00300	ENTER PARAMETER CODE ABOVE NAME AND UNITS BELOW		
			FLOW	TEMPERATURE	pH	SETTLABLE MATTER	RESIDUAL CHLORINE	BOD5 20°C	COD	AMMONIA NITROGEN	TOTAL RESIDUE	TOTAL SUSPENDED RESIDUE	FECAL COLIFORM	DISSOLVED OXYGEN			
			EFF <input type="checkbox"/>	CELSIUS											INF <input type="checkbox"/>	DAILY RATE	MG/L
HRS	MGD	C°	UNIT	ML/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	/100 ML	MG/L			
1	00	24	.9734		6.6		4.0	14					8	6			
2	00	24	.9985		6.5		4.0	18					5	0			
3	00	24	.9175		6.4		4.0	16					11	6			
4	00	24	1.0238		6.2		4.0										
5	00	24	1.1033		6.5		4.0										
6	00	24	.9388		6.5		4.0	17					6	2			
7	00	24	.9094		6.5		4.0	20					10	9			
8	00	24	.9139		6.6		4.0	16					9	10			
9	00	24	.9346		6.7		4.0	14					10	0			
10	00	24	.9628		6.5		4.0	20					8	0			
11	00	24	.8462		6.7		4.0										
12	00	24	.8920		6.7		4.0										
13	00	24	1.0065		6.5		4.0	16					6	4			
14	00	24	.9798		6.6		4.0	15					14	4			
15	00	24	.8264		6.6		4.0	17					0.4	0			
16	00	24	.8023		6.6		4.0	22					10	0			
17	00	24	.7565		6.6		4.0	19					7	0			
18	00	24	.8083		6.6		4.0										
19	00	24	.7848		6.5		4.0										
20	00	24	.7741		6.6		4.0	18					10	0			
21	00	24	.7744		6.5		4.0	19					10	0			
22	00	24	.8079		6.6		4.0	21					8	0			
23	00	24	.8078		6.2		4.0	17					11	8			
24	00	24	.8146		6.5		4.0	21					10	0			
25	00	24	.9506		6.4		4.5										
26	00	24	.9167		6.4		5.0										
27	00	24	.9727		6.2		4.5	19					6	2			
28	00	24	.9174		6.5		4.0	23					12	2			
29	00	24	.8243		6.5		4.0	24					15	2			
30	00	24	.8054		6.4		4.0	23					10	6			
31	00	24	.8125		6.6		4.0	22					14	0			
<b>Average</b>			.8890				4.1	19					9	2.14			
<b>Max.</b>			1.1033		6.7		5.0	24					15	10			
<b>Min.</b>			.7565		6.2		4.0	14					0.4	0			
<b>Comp.(C)/Grab(G)</b>					G		G	C					C	G			
<b>Monthly Limit</b>					6-9			30					30	200			

Facility Status: ( Please check one of the following)

All monthly averages and / or other limitation do meet permit monitoring requirements  ( Compliant)

All monthly averages and / or other limitation do not meet permit monitoring requirements  ( Noncompliant)

If the facility is noncompliant, please comment on corrective actions being taken in respect to equipment, operation, maintenance, etc. and a time table for improvements to be made.  
( Attach additional sheets if necessary)

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I certify that this Report is accurate and complete to the best of my knowledge:

*Johan J. Wooten*  
 Signature of Permittee

PARAMETER CODES

00010 Temperature	00556 Oil and Grease	00950 Dissolved Fluoride	01077 Silver	39516 PCBS
00065 Stream Stage	00600 Total Nitrogen	01002 Total Arsenic	01087 Total Vanadium	39941 Roundup
00076 Turbidity	00610 Ammonia Nitrogen	01027 Cadmium	01092 Zinc	50047 Max. flow during 24-hr. period
00300 Dissolved Oxygen	00625 Total Kjeldahl Nitrogen	01032 Hexavalent Chromium	01105 Total Aluminum	50048 Min. flow during 24-hr. period
00310 BOD <sub>5</sub>	00665 Total Phosphorous	01034 Chromium	01147 Total Selenium	50050 Flow
00340 COD	00720 Cyanide	01037 Total Cobalt	31504 Total Coliform	50060 Total Residual Chlorine
00400 pH	00745 Total Sulfide	01042 Copper	31614 Fecal Coliform, MPN, Tube	71880 Formaldehyde
00500 Total Solids	00927 Total Magnesium	01045 Total Iron	31616 Fecal Coliform	71900 Mercury
00530 TSS	00929 Total Sodium	01051 Lead	32730 Total Phenolics	81318 Ferrocyanides
00545 Settleable Solids	00940 Total Chloride	01067 Nickel	38260 MBAS	85652 Time

The monthly average for fecal coliform is to be reported as a geometric MEAN.

If using alternate units for reporting data, please designate.

# EFFLUENT

**NPDES PERMIT NO.:** NC0003239    **DISCHARGE NO.:** 001    **MONTH:** October    **YEAR:** 1986  
**FACILITY NAME:** Camp Geiger STP    **CLASS:** III    **COUNTY:** Onslow  
**OPERATOR IN RESPONSIBLE CHARGE (ORC):** Mack D. Davis    **GRADE:** IV  
**CERTIFIED LABORATORY:** Water Quality Control Laboratory    **PERSON(S) COLLECTING SAMPLES:** STP Operators

CHECK BLOCK IF ORC HAS CHANGED

Mail original and one copy to:  
 ATT: Central Files  
 Division of Environmental Management  
 NC Department of NRCD  
 PO Box 27687  
 Raleigh, North Carolina 27611

I CERTIFY THAT THIS REPORT  
 IS ACCURATE AND COMPLETE TO  
 THE BEST OF MY KNOWLEDGE.

*Mack D. Davis*

X \_\_\_\_\_  
Signature of operator in responsible charge

DATE	TIME 2400 CLOCK	COMPOSITE TIME	50050	00010	00403	00545	50060	00310	00340	00610	00500	00530	31616	00300	ENTER PARAMETER CODE ABOVE NAME AND UNITS BELOW		
			FLOW	TEMPERATURE	pH	SETTLABLE MATTER	RESIDUAL CHLORINE	BOD5 20°C	COD	AMMONIA NITROGEN	TOTAL RESIDUE	TOTAL SUSPENDED RESIDUE	FECAL COLIFORM	DISSOLVED OXYGEN			
			EFF <input type="checkbox"/>	CELSIUS											MGD	MG/L	MG/L
			DAILY RATE	UNIT	ML/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L		
1	00	24	1.141		6.6		4.0	8				6	0				
2	00	24	1.175		6.4		4.0	10				6	0				
3	00	24	.8700		6.8		4.0	9				11	0				
4	00	24	.6830		6.6		4.0										
5	00	24	1.2660		6.8		4.0										
6	00	24	1.4740		6.8		4.0	7				3	0				
7	00	24	1.2240		6.9		4.0	10				6	0				
8	00	24	.6180		6.9		4.0	11				7	2				
9	00	24	1.4290		6.8		4.0	7				15	0				
10	00	24	1.4300		6.9		4.0	9				3	0				
11	00	24	.8940		6.8		4.0										
12	00	24	.7400		7.0		4.0										
13	00	24	1.3240		7.0		4.0	4				2	0				
14	00	24	1.2350		6.8		4.0	8				13	10				
15	00	24	1.4090		6.8		4.0	9				3	0				
16	00	24	1.4000		6.8		4.0	8				0.3	0				
17	00	24	1.2520		6.7		4.0	4				4	0				
18	00	24	1.2080		6.8		4.0										
19	00	24	1.1760		6.6		4.0										
20	00	24	1.1890		6.8		4.0	8				6	4				
21	00	24	1.1780		7.0		4.0	9				8	4				
22	00	24	1.2370		7.1		4.0	8				3	0				
23	00	24	1.2760		6.6		4.0	8				2	0				
24	00	24	1.2460		6.8		4.0	13				4	0				
25	00	24	1.3420		7.0		4.0										
26	00	24	1.2250		7.2		4.0										
27	00	24	1.3550		6.6		4.0	11				1	0				
28	00	24	1.3250		6.8		4.0	17				4	0				
29	00	24	1.4820		6.5		4.0	15				3	2				
30	00	24	.8540		6.8		4.0	9				2	4				
31	00	24	.9030		6.8		4.0	6				4	0				
<b>Average</b>			1.1794				4.0	9				5	1.40				
<b>Max.</b>			1.4820		7.2		4.0	17				15	10				
<b>Min.</b>			.6180		6.4		4.0	4				0.3	0				
<b>Comp.(C)/ Grab(G)</b>					G		G	C				C	G				
<b>Monthly Limit</b>					6-9			30				30	200				

Facility Status: ( Please check one of the following)

All monthly averages and / or other limitation do meet permit monitoring requirements  ( Compliant)

All monthly averages and / or other limitation do not meet permit monitoring requirements  ( Noncompliant)

If the facility is noncompliant, please comment on corrective actions being taken in respect to equipment, operation, maintenance, etc. and a time table for improvements to be made.  
( Attach additional sheets if necessary)

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I certify that this Report is accurate and complete to the best of my knowledge:

*Johann d. Wooten*  
Signature of Permittee

PARAMETER CODES

00010 Temperature	00556 Oil and Grease	00950 Dissolved Fluoride	01077 Silver	39516 PCBS
00065 Stream Stage	00600 Total Nitrogen	01002 Total Arsenic	01087 Total Vanadium	39941 Roundup
00076 Turbidity	00610 Ammonia Nitrogen	01027 Cadmium	01092 Zinc	50047 Max. flow during 24-hr. period
00300 Dissolved Oxygen	00625 Total Kjeldahl Nitrogen	01032 Hexavalent Chromium	01105 Total Aluminum	50048 Min. flow during 24-hr. period
00310 BOD <sub>5</sub>	00665 Total Phosphorous	01034 Chromium	01147 Total Selenium	50050 Flow
00340 COD	00720 Cyanide	01037 Total Cobalt	31504 Total Coliform	50060 Total Residual Chlorine
00400 pH	00745 Total Sulfide	01042 Copper	31614 Fecal Coliform, MPN, Tube	71880 Formaldehyde
00500 Total Solids	00927 Total Magnesium	01045 Total Iron	31616 Fecal Coliform	71900 Mercury
00530 TSS	00929 Total Sodium	01051 Lead	32730 Total Phenolics	81318 Ferrocyanides
00545 Settleable Solids	00940 Total Chloride	01067 Nickel	38260 MBAS	85652 Time

The monthly average for fecal coliform is to be reported as a geometric MEAN.

If using alternate units for reporting data, please designate.

# Influent

NPDES NO: NC0003239      DISCHARGE NO: 001      MONTH: OCTOBER      YEAR: 1986  
 FACILITY NAME: CAMP GEIGER STP      COUNTY: ONslow

			00400	00010	00545	00310	00610	00500	00530	00340	ENTER PARAMETER CODE ABOVE & NAME AND UNITS BELOW			
Date	Time	Composite Time	PH	Temperature (Celsius)	Settleable Matter	BOD <sub>5</sub> 20 °C	Ammonia Nitrogen	Total Residue	Total Suspended Residue	COD				
		HRS	STD UNITS	°C	ML/L	MG/L	MG/L	MG/L	MG/L	MG/L				
1	00	24				156			96					
2	00	24				132			68					
3	00	24				172			170					
4														
5														
6	00	24				188			171					
7	00	24				180			98					
8	00	24				144			140					
9	00	24				100			58					
10	00	24				112			84					
11														
12														
13	00	24				72			34					
14	00	24				80			106					
15	00	24				112			24					
16	00	24				164			76					
17	00	24				216			112					
18														
19														
20	00	24				160			110					
21	00	24				160			114					
22	00	24				280			273					
23	00	24				156			80					
24	00	24				148			100					
25														
26														
27	00	24				132			52					
28	00	24				152			60					
29	00	24				180			60					
30	00	24				300			72					
31	00	24				160			100					
AVERAGE									159		98			
MONTHLY MAXIMUM									300		273			
MONTHLY MINIMUM									72		24			
SAMPLE TYPE C or G									C		C			

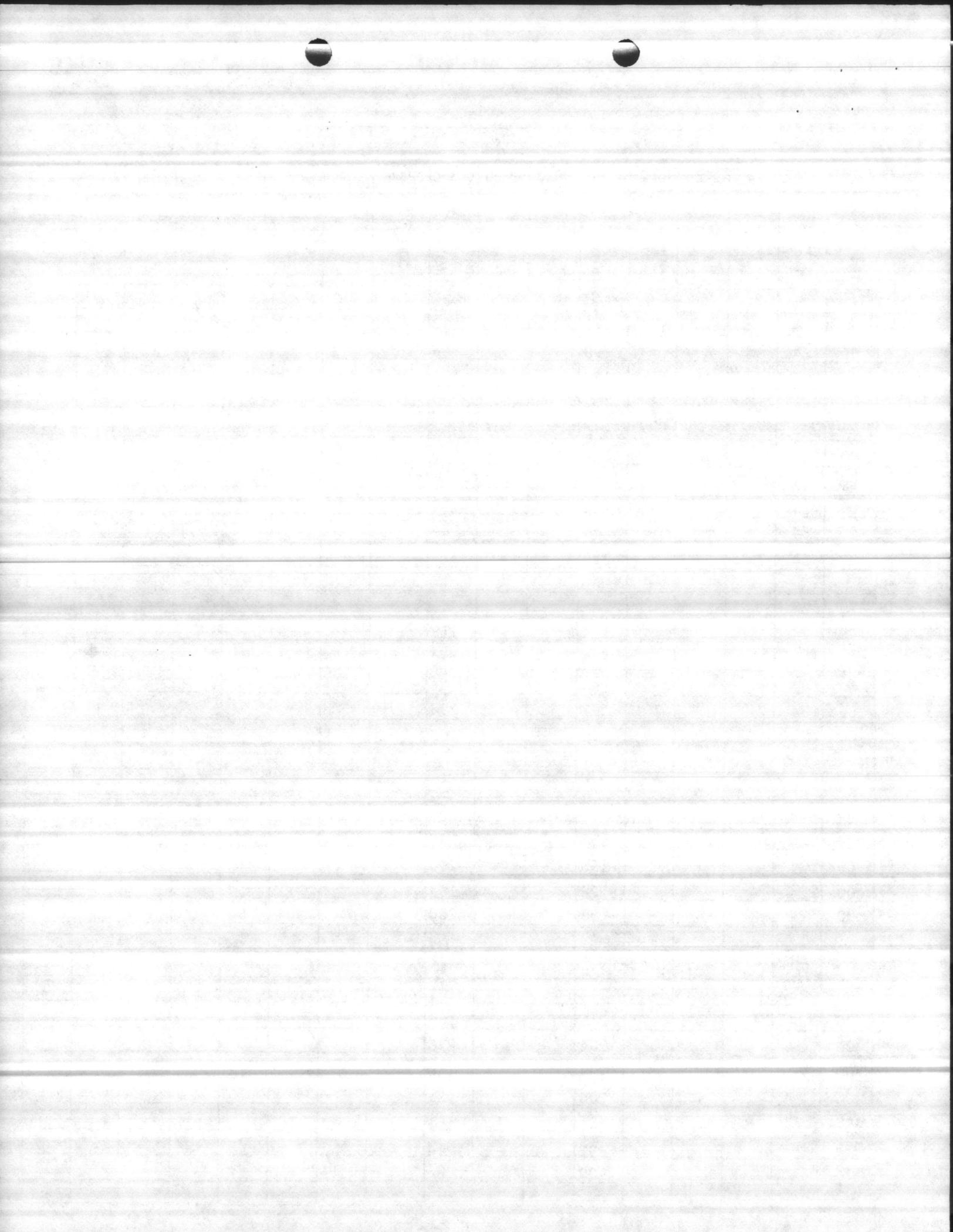


# Influent

NPDES NO: NC0003239 DISCHARGE NO: 002 MONTH: OCTOBER YEAR: 1986

FACILITY NAME: TARAWA TERRACE STP COUNTY: ONSLOW

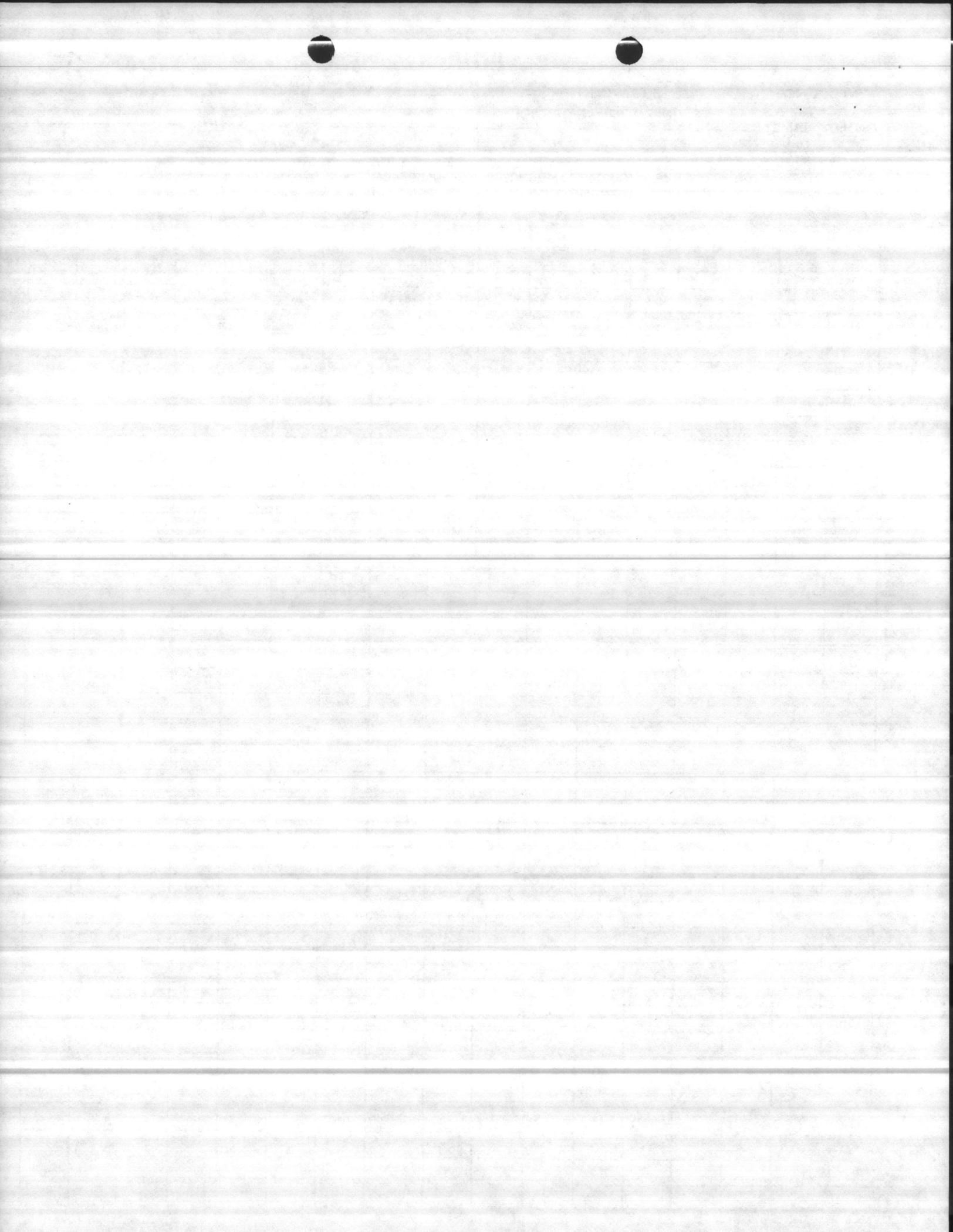
			00400	00010	00545	00310	00610	00500	00530	00340	ENTER PARAMETER CODE ABOVE & NAME AND UNITS BELOW			
Date	Time	Composite Time	PH	Temperature (Celsius)	Settleable Matter	BOD <sub>5</sub> 20 °C	Ammonia Nitrogen	Total Residue	Total Suspended Residue	COD				
		HRS	STD UNITS	°C	ML/L	MG/L	MG/L	MG/L	MG/L	MG/L				
1	00	24				176			102					
2	00	24				188			96					
3	00	24				120			138					
4														
5														
6	00	24				144			150					
7	00	24				184			132					
8	00	24				212			198					
9	00	24				180			84					
10	00	24				128			118					
11														
12														
13	00	24				184			118					
14	00	24				160			212					
15	00	24				160			174					
16	00	24				292			236					
17	00	24				196			162					
18														
19														
20	00	24				184			138					
21	00	24				156			100					
22	00	24				180			296					
23	00	24				128			164					
24	00	24				168			230					
25														
26														
27	00	24				196			172					
28	00	24				216			168					
29	00	24				204			236					
30	00	24				204			156					
31	00	24				204			120					
AVERAGE						181			161					
MONTHLY MAXIMUM						292			296					
MONTHLY MINIMUM						120			84					
SAMPLE TYPE C or G						C			C					



# Influent

NPDES NO: NC0003239      DISCHARGE NO: 003      MONTH: OCTOBER      YEAR: 1986  
 FACILITY NAME: MONTFORD POINT (CAMP JOHNSON) STP      COUNTY: ONSLow

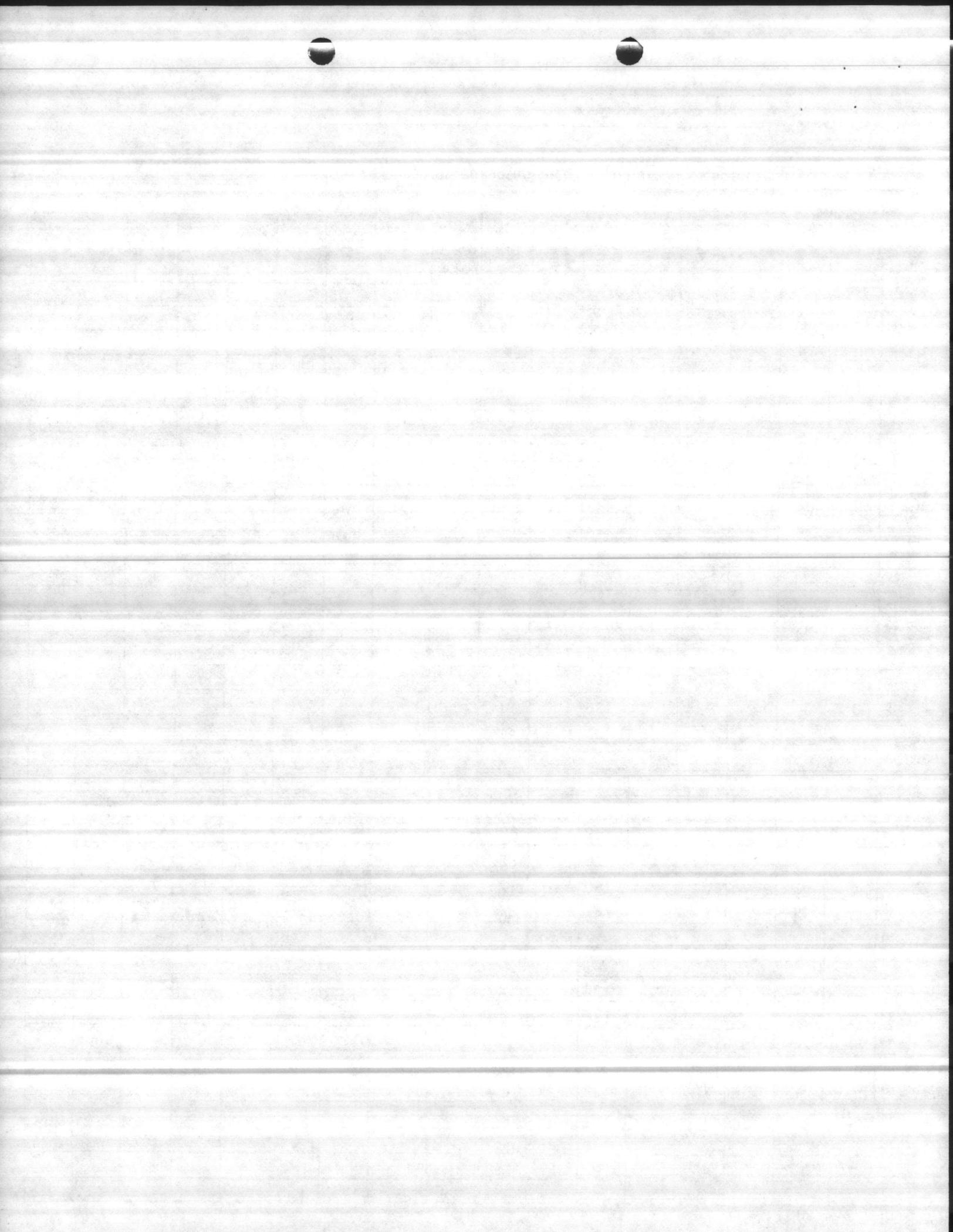
		00400	00010	00545	00310	00610	00500	00530	00340	ENTER PARAMETER CODE ABOVE & NAME AND UNITS BELOW									
Date	Time	Composite Time	PH	Temperature (Celsius)	Settleable Matter	BOD <sub>5</sub> 20 °C	Ammonia Nitrogen	Total Residue	Total Suspended Residue	COD									
		HRS	STD UNITS	°C	ML/L	MG/L	MG/L	MG/L	MG/L	MG/L									
1	08	8																	
2	08	8				44			30										
3																			
4																			
5																			
6																			
7	08	8				156			50										
8																			
9	08	8				80			48										
10																			
11																			
12																			
13																			
14	08	8				68			108										
15																			
16	08	8				76			43										
17																			
18																			
19																			
20																			
21	08	8				112			162										
22																			
23	08	8				76			28										
24																			
25																			
26																			
27																			
28	08	8				72			28										
29																			
30	08	8				180			82										
31																			
AVERAGE						96			64										
MONTHLY MAXIMUM						180			162										
MONTHLY MINIMUM						44			28										
SAMPLE TYPE C or G						C			C										



# Influent

NPDES NO: NCC003239    DISCHARGE NO: 004    MONTH: OCTOBER    YEAR: 1986  
 FACILITY NAME: HADNOT POINT STP    COUNTY: ONslow

		00400	00010	00545	00310	00610	00500	00530	00340	ENTER PARAMETER CODE ABOVE & NAME AND UNITS BELOW				
Date	Time	Composite Time	PH	Temperature (Celsius)	Settleable Matter	BODs 20 °C	Ammonia Nitrogen	Total Residue	Total Suspended Residue	COD				
	HRS		STD UNITS	°C	MI/L	MG/L	MG/L	MG/L	MG/L	MG/L				
1	00	24				120		73						
2	00	24				144		82						
3	00	24				160		130						
4														
5														
6	00	24				128		80						
7	00	24				112		108						
8	00	24				120		100						
9	00	24				112		114						
10	00	24				84		76						
11														
12														
13	00	24				120		80						
14	00	24				104		116						
15	00	24				132		54						
16	00	24				136		114						
17	00	24				140		144						
18														
19														
20	00	24				152		102						
21	00	24				132		88						
22	00	24				116		82						
23	00	24				160		112						
24	00	24				156		96						
25														
26														
27	00	24				136		114						
28	00	24				148		130						
29	00	24				144		113						
30	00	24				112		104						
31	00	24				144		106						
AVERAGE						131		101						
MONTHLY MAXIMUM						160		144						
MONTHLY MINIMUM						84		54						
SAMPLE TYPE C or G						C		C						

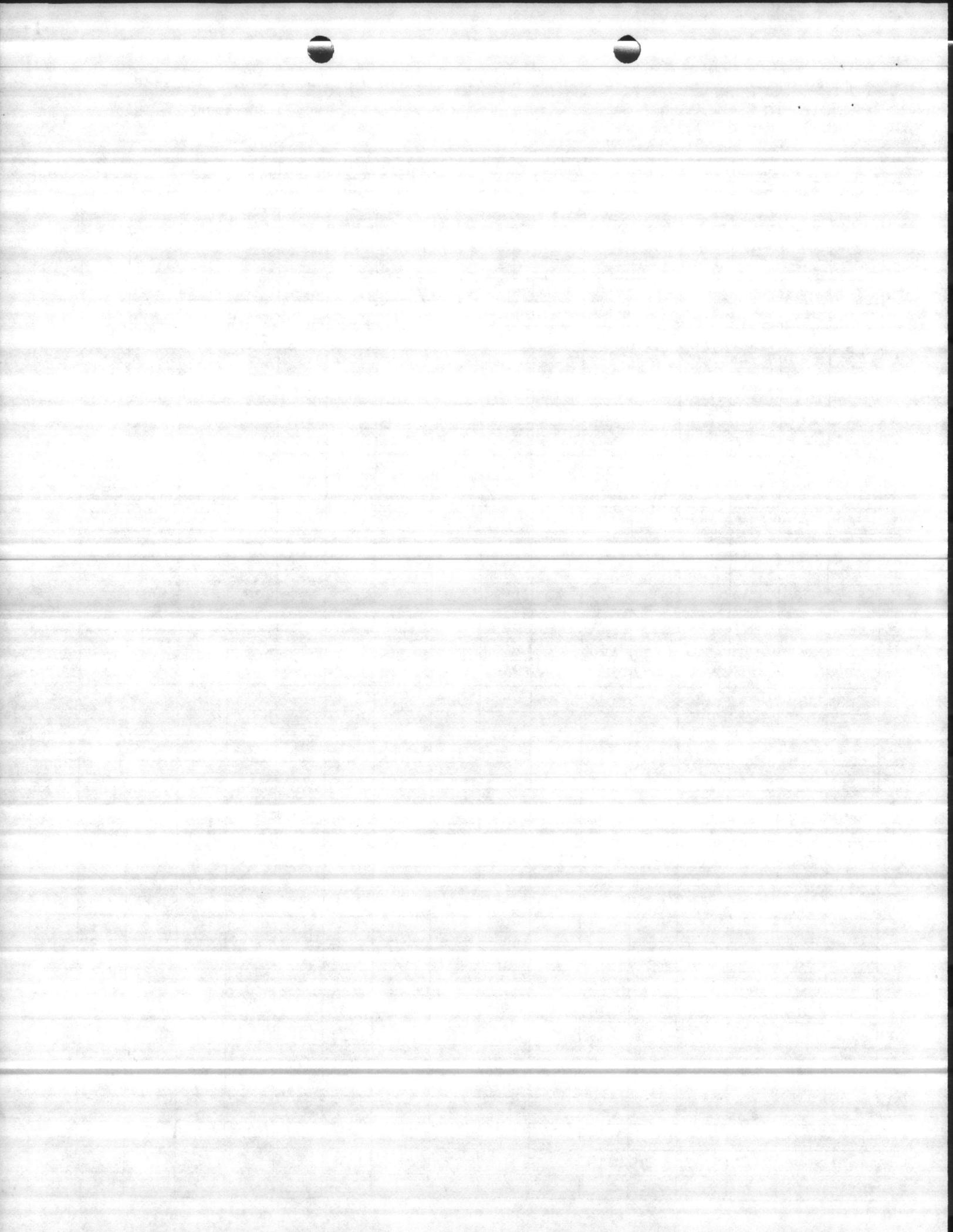


# Influent

NPDES NO: NC0003239      DISCHARGE NO: 005      MONTH: OCTOBER      YEAR: 1986

FACILITY NAME: RIFLE RANGE STP      COUNTY: ONSLOW

Date	Time	Composite Time	00400	00010	00545	00310	00610	00500	00530	00340	ENTER PARAMETER CODE ABOVE & NAME AND UNITS BELOW						
			PH	Temperature (Celsius)	Settleable Matter	BOD <sub>5</sub> 20 °C	Ammonia Nitrogen	Total Residue	Total Suspended Residue	COD							
			STD UNITS	°C	MI/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L						
1	08	8				48			54								
2																	
3																	
4																	
5																	
6																	
7	08	8				104			110								
8																	
9	08	8				80			134								
10																	
11																	
12																	
13																	
14	08	8				16			60								
15																	
16	08	8				64			92								
17																	
18																	
19																	
20																	
21	08	8				84			62								
22																	
23	08	8				96			50								
24																	
25																	
26																	
27																	
28	08	8				56			23								
29																	
30	08	8				56			56								
31																	
AVERAGE						67			71								
MONTHLY MAXIMUM						104			110								
MONTHLY MINIMUM						16			23								
SAMPLE TYPE C or G						C			C								

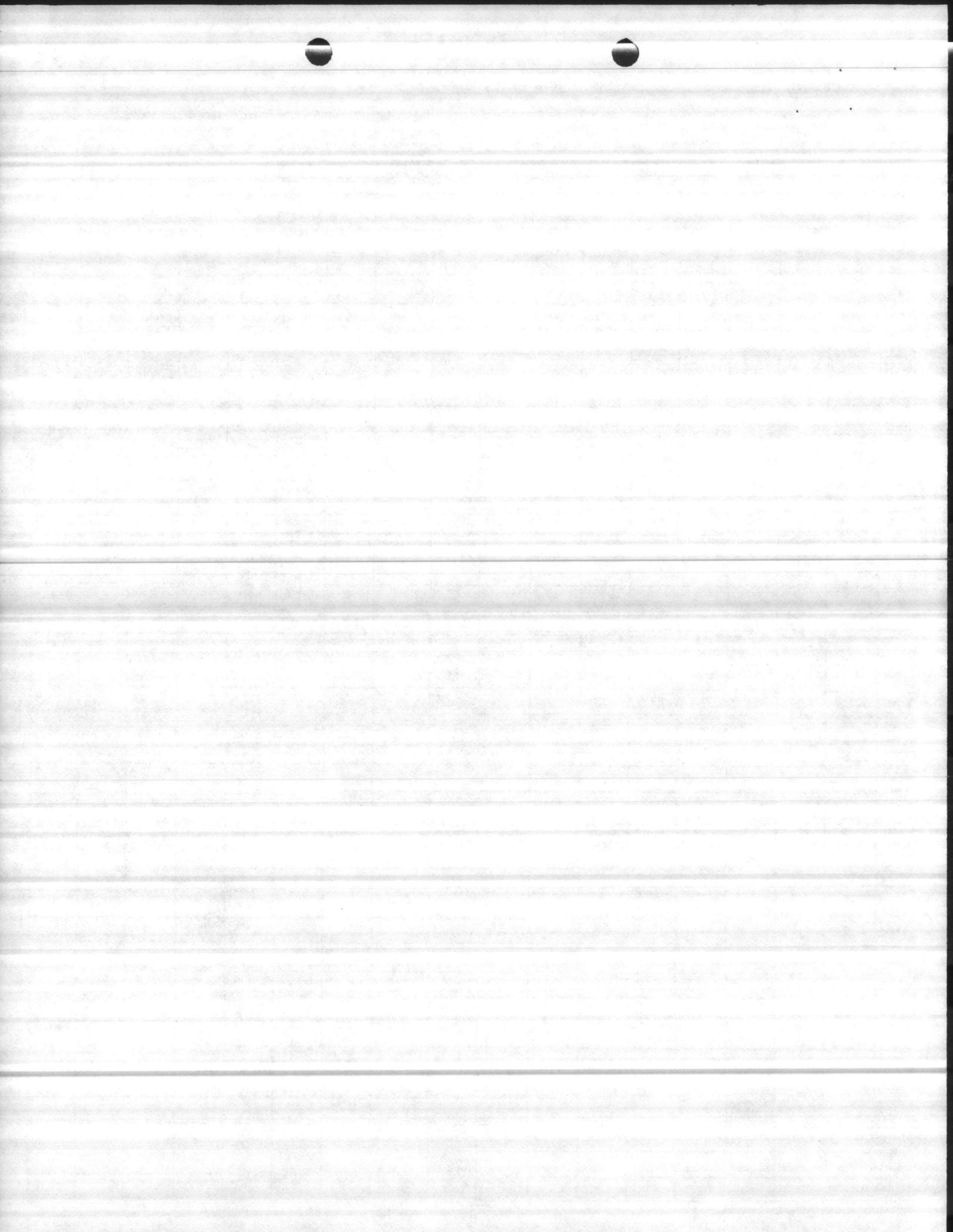


# Influent

NPDES NO: NC0003239 DISCHARGE NO: 006 MONTH: OCTOBER YEAR: 1986

FACILITY NAME: COURTHOUSE BAY STP COUNTY: ONSLow

		00400	00010	00545	00310	00610	00500	00530	00340	ENTER PARAMETER CODE ABOVE & NAME AND UNITS BELOW						
Date	Time	Composite Time	PH	Temperature (Celsius)	Settleable Matter	BOD <sub>5</sub> 20 °C	Ammonia Nitrogen	Total Residue	Total Suspended Residue	COD						
		HRS	STD UNITS	°C	MI/L	MG/L	MG/L	MG/L	MG/L	MG/L						
1	08	8				40			74							
2																
3																
4																
5																
6																
7	08	8				120			120							
8																
9	08	8				200			228							
10																
11																
12																
13																
14	08	8				36			76							
15																
16	08	8				80			64							
17																
18																
19																
20																
21	08	8				48			50							
22																
23	08	8				224			78							
24																
25																
26																
27																
28	08	8				52			22							
29																
30	08	8				236			120							
31																
AVERAGE						115			92							
MONTHLY MAXIMUM						236			228							
MONTHLY MINIMUM						36			22							
SAMPLE TYPE C or G						C			C							

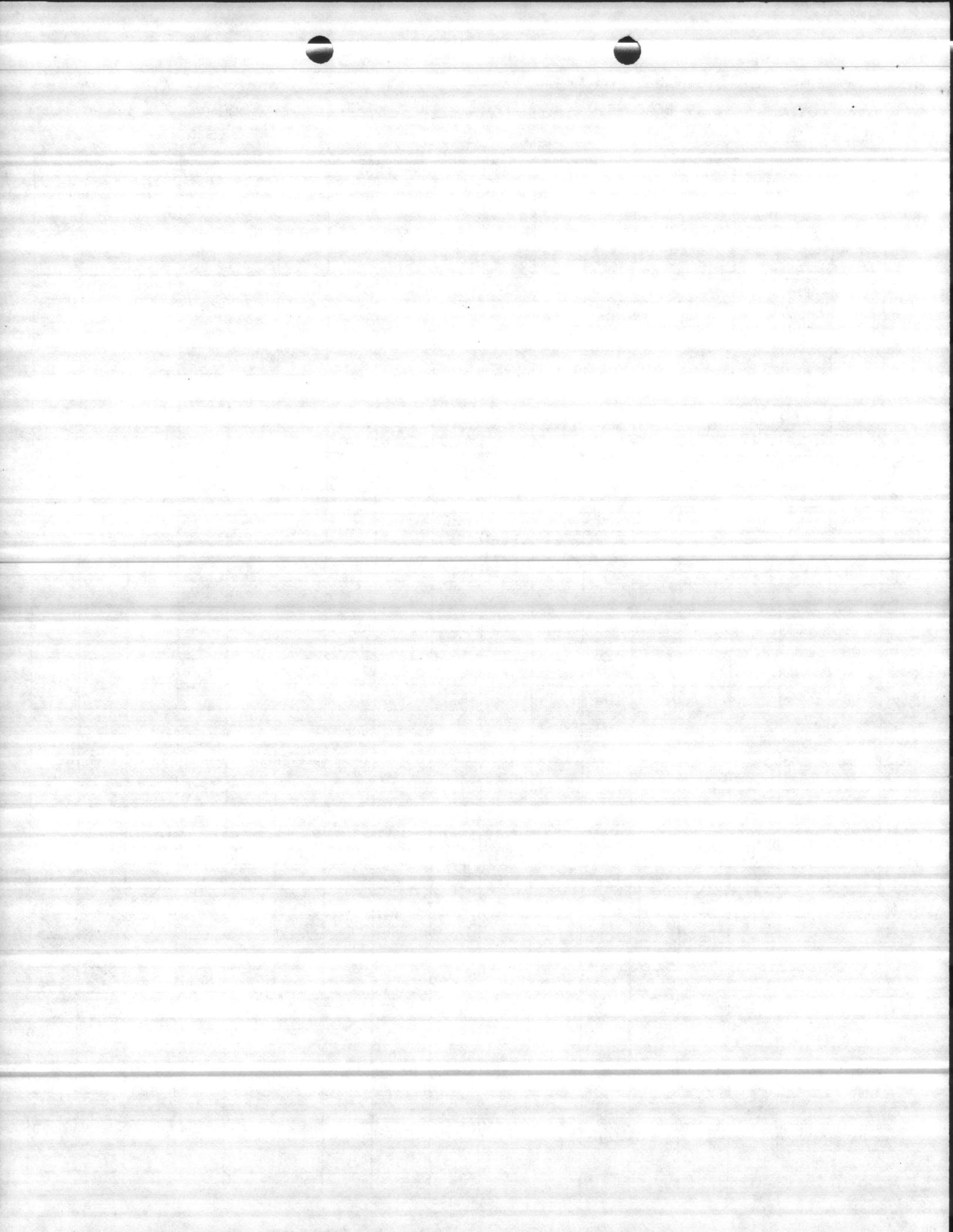


# Influent

NPDES NO: NC0003239 DISCHARGE NO: 007 MONTH: OCTOBER YEAR: 1986

FACILITY NAME: ONslow BEACH STP COUNTY: ONslow

		00400	00010	00545	00310	00610	00500	00530	00340	ENTER PARAMETER CODE ABOVE & NAME AND UNITS BELOW						
Date	Time	Composite Time	PH	Temperature (Celsius)	Settleable Matter	BOD <sub>5</sub> 20 °C	Ammonia Nitrogen	Total Residue	Total Suspended Residue	COD						
		HRS	STD UNITS	°C	MI/L	MG/L	MG/L	MG/L	MG/L	MG/L						
1	08	8				84			20							
2																
3																
4																
5																
6																
7	08	8				148			38							
8																
9	08	8				84			29							
10																
11																
12																
13																
14	08	8				108			176							
15																
16	08	8				104			64							
17																
18																
19																
20																
21	08	8				155			84							
22																
23	08	8				128			48							
24																
25																
26																
27																
28	08	8				196			72							
29																
30	08	8				116			12							
31																
AVERAGE						126			60							
MONTHLY MAXIMUM						196			176							
MONTHLY MINIMUM						84			12							
SAMPLE TYPE C or G						C			C							



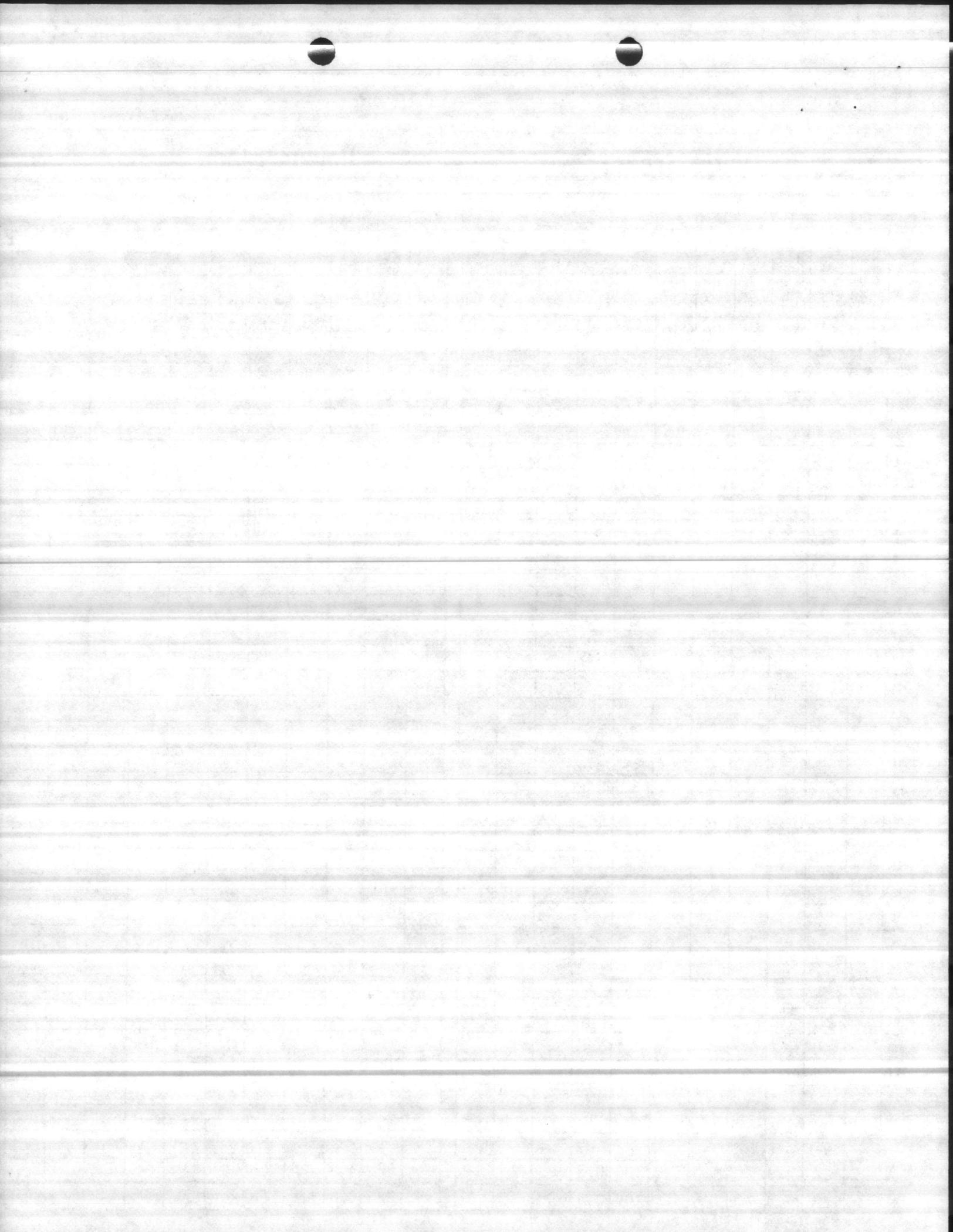
NPDES NO: NC0003239 DISCHARGE NO: 001 MONTH: OCTOBER YEAR: 1986  
 FACILITY NAME: Camp Geiger STP COUNTY: Onslow  
 STREAM: New River STREAM: New River  
 LOCATION: RW -01 At Hughes Marina LOCATION: RW - 04 Hospital Point

## Upstream

		00010	00300	00400	00310	00340	31616	00556												
Date	Time 2400 Clock	Temperature (Celsius)	Dissolved Oxygen	PH	BOD5 20°C	COD	Fecal Coliform *Geometric Mean	Enter Parameter Code above Name and Units Below												
								HRS	°C	MG/L	STD UNITS	MG/L	MG/L	100 ml	MG/L					
1																				
2																				
3																				
4																				
5																				
6	09	22	4.9	7.8	0.0		100	0.2												
7																				
8																				
9																				
10																				
11																				
12																				
13																				
14																				
15																				
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				
25																				
26																				
27																				
28																				
29																				
30																				
31																				
Average	22	4.9			0		100	0.2												
Monthly Maximum	22	4.9	7.8		0		100	0.2												
Monthly Minimum	22	4.9	7.8		0		100	0.2												

## Downstream

		00010	00300	00400	00310	00340	31616	00556												
Date	Time 2400 Clock	Temperature (Celsius)	Dissolved Oxygen	PH	BOD5 20°C	COD	Fecal Coliform *Geometric Mean	Enter Parameter Code above Name and Units Below												
								HRS	°C	MG/L	STD UNITS	MG/L	MG/L	100 ml	MG/L					
1																				
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				
13																				
14																				
15																				
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				
25																				
26																				
27																				
28																				
29																				
30																				
31																				
Average	22	6.5					100	0.2												
Monthly Maximum	22	6.5	8.1				100	0.2												
Monthly Minimum	22	6.5	8.1				100	0.2												



NPDES NO: NC0003239 DISCHARGE NO: 002 MONTH: October YEAR: 1986

FACILITY NAME: Tarawa Terrace STP COUNTY: Onslow

STREAM: Northeast Creek

LOCATION: RW - 02 AT Hwy. 24 Bridge

## Upstream

## Downstream

003

		00010	00300	00400	00310	00340	31616	00550			
Date	Time 2400 Clock	Temperature (Celsius)	Dissolved Oxygen	PH	BOD5 20°C	COD	Fecal Coliform *Geometric Mean	Enter Parameter Code above Name and Units Below			
								OIL & GREASE			
	HRS	°C	MG/L	STD UNITS	MG/L	MG/L	100 ml	MG/L			
1											
2											
3											
4											
5											
6	10	26	6.8	8.0	2.0		8	0.3			
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											
26											
27											
28											
29											
30											
31											
Average		26	6.8	8.0	2.0		8	0.3			
Monthly Maximum		26	6.8	8.0	2.0		8	0.3			
Monthly Minimum		26	6.8	8.0	2.0		8	0.3			

		00010	00300	00400	00310	00340	31616	00550			
Date	Time 2400 Clock	Temperature (Celsius)	Dissolved Oxygen	PH	BOD5 20°C	COD	Fecal Coliform *Geometric Mean	Enter Parameter Code above Name and Units Below			
								OIL & GREASE			
	HRS	°C	MG/L	STD UNITS	MG/L	MG/L	100 ml	MG/L			
1											
2											
3											
4											
5											
6	10	27	5.5	8.0	1.0		4	0			
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											
26											
27											
28											
29											
30											
31											
Average		27	5.5	8.0	1.0		4	0			
Monthly Maximum		27	5.5	8.0	1.0		4	0			
Monthly Minimum		27	5.5	8.0	1.0		4	0			



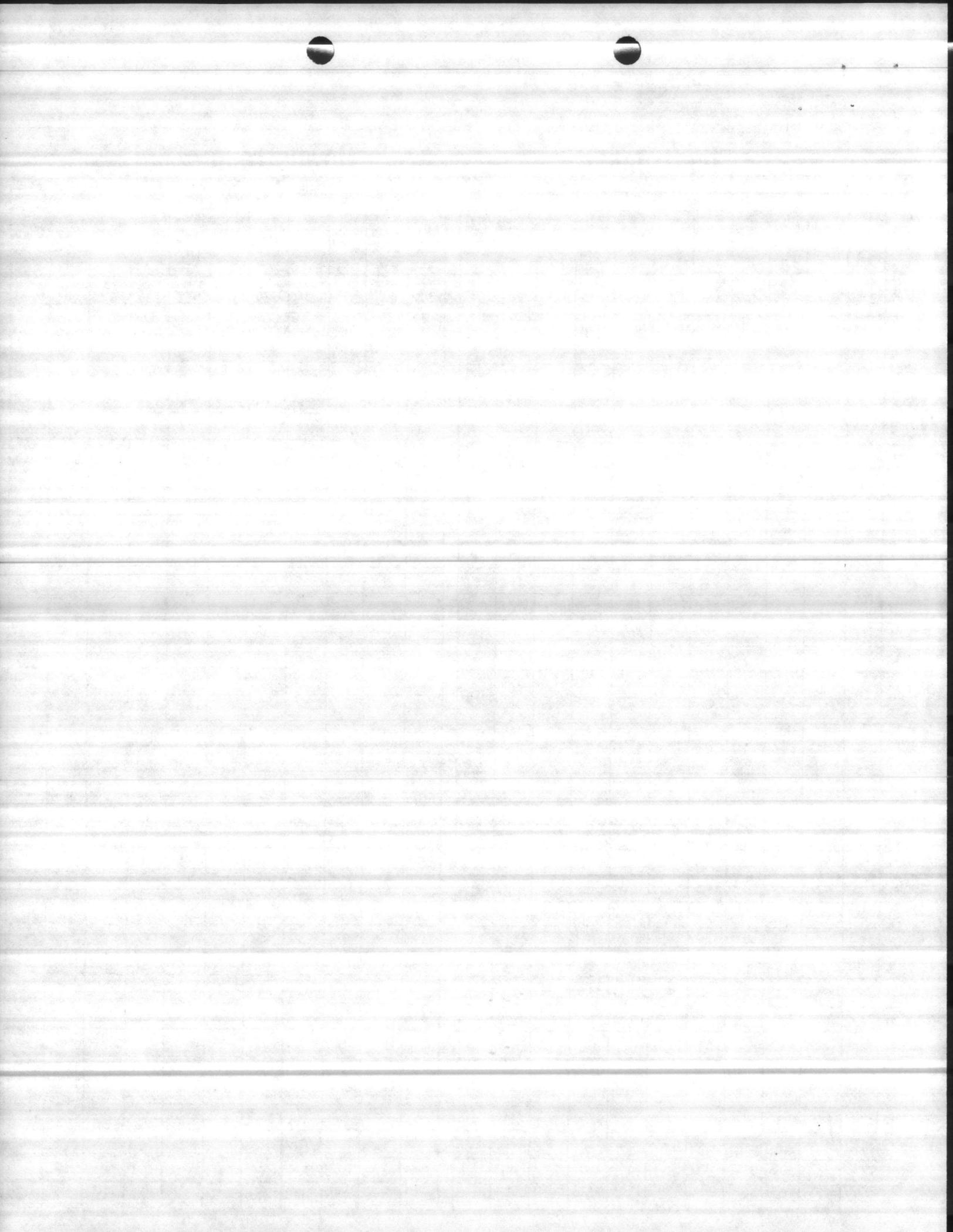
NPDES NO: NC0003239 DISCHARGE NO: 003 MONTH: October YEAR: 1986  
 FACILITY NAME: (Montford Joint) Camp Johnson) STP COUNTY: Onslow  
 STREAM: Northeast Creek STREAM: New River  
 LOCATION: RW - 03 Between Discharge 002 & 003 LOCATION: RW - 04 Hospital Point

## Upstream

## Downstream

Date	Time 2400 Clock	Temperature (Celsius)	Dissolved Oxygen	PH	BOD <sub>5</sub> 20°C	COD	Fecal Coliform *Geometric Mean	00556	
								Enter Parameter Code above Name and Units Below	
								OIL & GREASE	
HRS	°C	MG/L	STD UNITS	MG/L	MG/L	100 ml	MG/L		
1									
2									
3									
4									
5									
6	10	27	5.5	8.0	1.0		4	0	
7									
8									
9									
10									
11									
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18									
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21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
Average	27	5.5			1.0		4	0	
Monthly Maximum	27	5.5	8.0	1.0			4	0	
Monthly Minimum	27	5.5	8.0	1.0			4	0	

Date	Time 2400 Clock	Temperature (Celsius)	Dissolved Oxygen	PH	BOD <sub>5</sub> 20°C	COD	Fecal Coliform *Geometric Mean	00557	
								Enter Parameter Code above Name and Units Below	
								OIL & GREASE	
HRS	°C	MG/L	STD UNITS	MG/L	MG/L	100 ml	MG/L		
1									
2									
3									
4									
5									
6	10	25	6.5	8.1	2.0		0	0	
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
Average	25	6.5			2.0		0	0	
Monthly Maximum	25	6.5	8.1	2.0			0	0	
Monthly Minimum	25	6.5	8.1	2.0			0	0	



NPDES NO: NC0003239 DISCHARGE NO: 004 MONTH: October YEAR: 1986

FACILITY NAME: Hadnot Point RIP COUNTY: Onslow

STREAM: New River

LOCATION: RW - 04 Hospital Point

STREAM: New River

LOCATION: RW - 05 Marker #35

### Upstream

### Downstream

Date	Time 2400 Clock	00010 00300 00400 00310 00340 31616 60556									
		Temperature (Celsius)	Dissolved Oxygen	PH	BOD5 20°C	COD	Fecal Coliform *Geometric Mean	Enter Parameter Code above Name and Units Below			
								01L #	02EAS		
HRS	°C	MG/L	STD UNITS	MG/L	MG/L	100 ml	MG/L				
1											
2											
3											
4											
5											
6	10	25	6.5	8.1	2.0		0	0			
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											
26											
27											
28											
29											
30											
31											
Average	25	6.5		8.1	2.0		0	0			
Monthly Maximum	25	6.5	8.1	2.0			0	0			
Monthly Minimum	25	6.5	8.1	2.0			0	0			

Date	Time 2400 Clock	00010 00300 00400 00310 00340 31616 60556									
		Temperature (Celsius)	Dissolved Oxygen	PH	BOD5 20°C	COD	Fecal Coliform *Geometric Mean	Enter Parameter Code above Name and Units Below			
								01L #	02EAS		
HRS	°C	MG/L	STD UNITS	MG/L	MG/L	100 ml	MG/L				
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11	26	6.7	8.2	2.2			0	0			
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											
26											
27											
28											
29											
30											
31											
Average	26	6.7		8.2	2.2		0	0			
Monthly Maximum	26	6.7	8.2	2.2			0	0			
Monthly Minimum	26	6.7	8.2	2.2			0	0			



NPDES NO: NC0003239 DISCHARGE NO: 005 MONTH: October YEAR: 1986

FACILITY NAME: Rifle Range ST COUNTY: Onslow

STREAM: New River STREAM: New River

LOCATION: RW - 05 Marker #35 LOCATION: RW - 06 Outside Sneads Ferry Bridge

## Upstream

## Downstream

Date	00010		00300		00400		00310		00340		31616		00530					
	Time	Temperature	Dissolved	PH	BOD5	COD	Fecal	Enter Parameter Code above Name and Units Below										
	2400 Clock	(Celsius)	Oxygen		20°C		Coliform											
HRS	°C	MG/L	STD UNITS	MG/L	MG/L	100ml	MG/L											
1																		
2																		
3																		
4																		
5																		
6	11	26	6.7	8.2	2.2		0	0										
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
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22																		
23																		
24																		
25																		
26																		
27																		
28																		
29																		
30																		
31																		
Average	26	6.7			2.2		0	0										
Monthly Maximum	26	6.7	8.2	2.2			0	0										
Monthly Minimum	26	6.7	8.2	2.2			0	0										

Date	00010		00300		00400		00310		00340		31616		00530					
	Time	Temperature	Dissolved	PH	BOD5	COD	Fecal	Enter Parameter Code above Name and Units Below										
	2400 Clock	(Celsius)	Oxygen		20°C		Coliform											
HRS	°C	MG/L	STD UNITS	MG/L	MG/L	100 ml	MG/L											
1																		
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
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28																		
29																		
30																		
31																		
Average																		
Monthly Maximum																		
Monthly Minimum																		



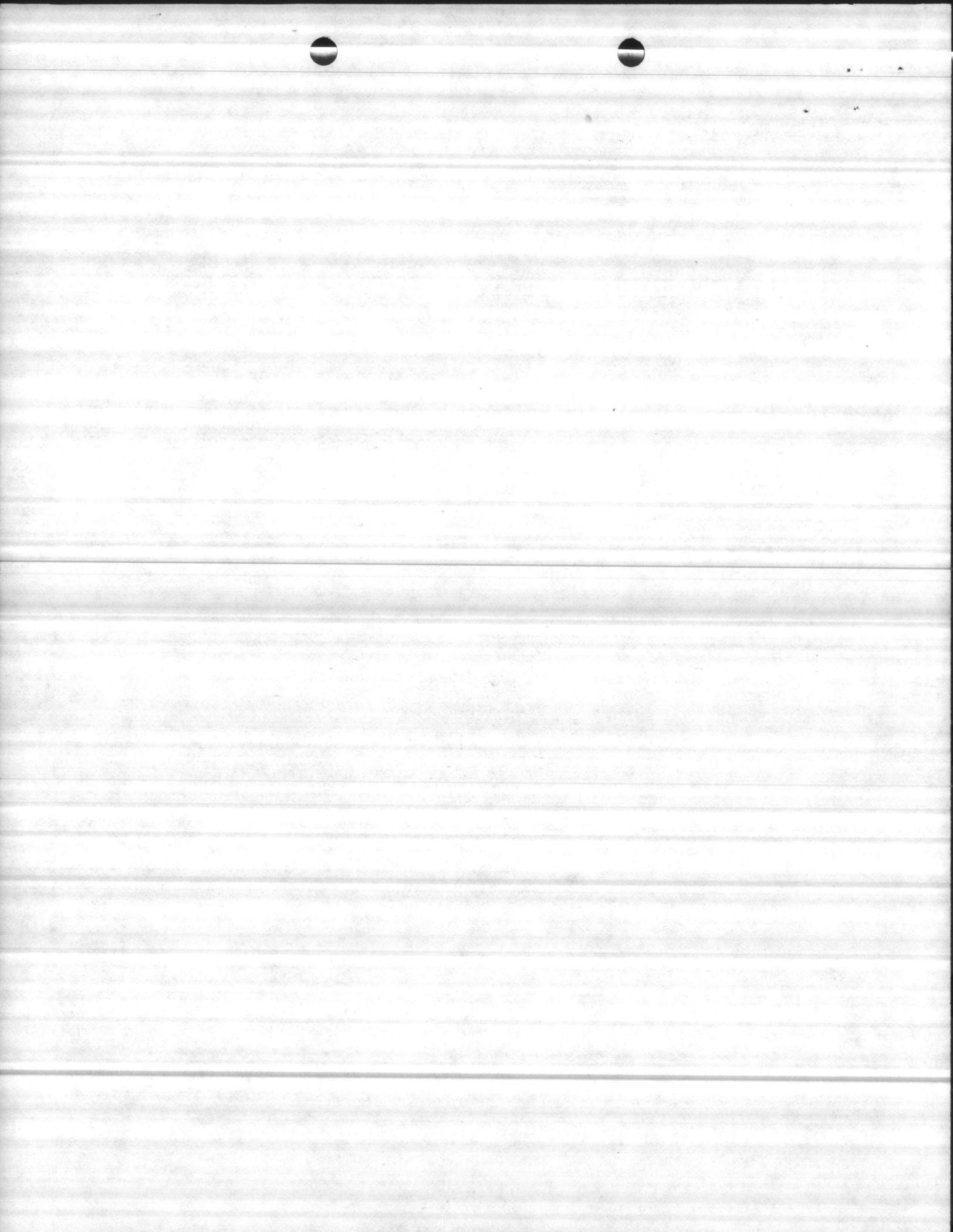
STORM DRAINS

NPDES NO: NC0003239 MONTH: OCTOBER YEAR: 1986

LOCATION: Marine Corps Base, Camp Lejeune, NC COUNTY: Onslow

<u>STORM DRAIN NUMBER</u>	<u>DATE COLLECTED</u>	<u>FLOW 50050</u>	<u>pH 00400</u>	<u>TOTAL SUSPENDED RESIDUE 00530</u>	<u>OIL &amp; GREASE 00556</u>
72	28 Oct.	879,800	7.1	51.0	0.3

<u>PARAMETER</u>	<u>UNITS</u>	<u>LIMITS</u>
Flow	GPD	None
pH	None	6-9
TSR	mg/l	50 mg/l
O&G	mg/l	15 mg/l



6288  
NREAD  
26 Jan 87

Mr. Paul Wilms, Director  
Division of Environmental Management  
NC Department of Natural Resources  
and Community Development  
Post Office Box 27687  
Raleigh, North Carolina 27611

Dear Sir:

In accordance with requirements of the National Pollutant Discharge Elimination System (NPDES) Permit Number NC0003239, two copies of Discharge Monitoring Reports (DMRs) for the month of November 1986 are submitted.

The Tarawa Terrace Wastewater Treatment Plant did not meet their Biochemical Oxygen Demand (BOD) percent removal requirement for the month. The actual percent removal for BOD was 83% instead of the required minimum of 85%. The bearing to the trickling filter malfunctioned during the first part of December 1986 which decreased plant efficiency. A new bearing was installed 20 January 1987.

The storm drains listed on the enclosed table may be correlated with base geography and facilities by referring to maps with numbered storm drains monitoring point that have been previously provided. Storm drains that have no values reported for the quarter were checked; however, each time they were checked, they were either dry or had no flow. The Base Environmental staff is continuing to work on operational control methodology to reduce oil and grease and total suspended residue discharges. New construction to replace outdated base facilities should further reduce oil and grease and total suspended residue discharges.

Questions regarding this report should be forwarded to Ms. Elizabeth Betz, Supervisory Chemist, Natural Resources and Environmental Affairs Division, Assistant Chief of Staff, Facilities at (919) 451-5977.

Sincerely,

J. I. WOOTEN  
Director, Natural Resources Division  
Assistant Chief of Staff, Facilities  
By direction of the Commanding General

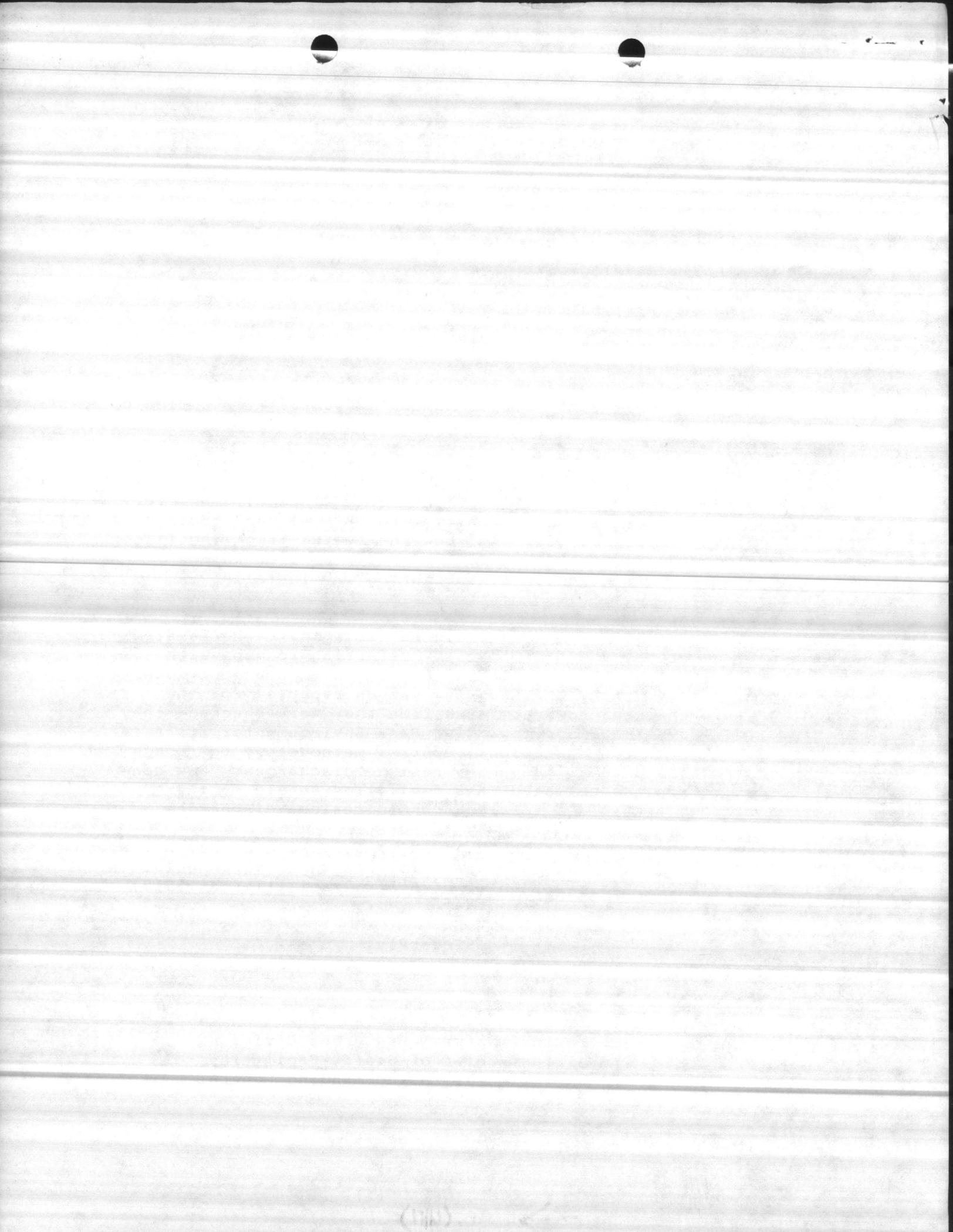
Encls:

(1) DEM Forms MR-1, MR-2 & MR-3 (2 copies)

Copy to:  
EPA Region IV  
CMDR LANTNAVFACENGCOM  
NEESA

Blind copy to:  
ECML, NREAD (2)

→ BMO (UH1) (1)



# EFFLUENT

**NPDES PERMIT NO:** NC0003239 **DISCHARGE NO:** 014 **MONTH:** December **YEAR:** 1986  
**FACILITY NAME:** Onslow Beach Water Treatment Pond **CLASS:** NA **COUNTY:** Onslow  
**OPERATOR IN RESPONSIBLE CHARGE (ORC):** Mack D. Davis **GRADE:** IV  
**CERTIFIED LABORATORY:** Water Quality Control Laboratory

CHECK BLOCK IF ORC HAS CHANGED

Mail original and one copy to:  
 ATT: Central Files  
 Division of Environmental Management  
 N C Department of NRCD  
 PO Box 27687  
 Raleigh, North Carolina 27611

**PERSON(S) COLLECTING SAMPLES:** WTP Operators

I CERTIFY THAT THIS REPORT  
 IS ACCURATE AND COMPLETE TO  
 THE BEST OF MY KNOWLEDGE.



X Signature of operator in responsible charge

DATE	TIME 2400 CLOCK	COMPOSITE TIME	50050	00010	00409	00545	50060	00310	00340	00610	00500	00530	31616	00300	ENTER PARAMETER CODE ABOVE NAME AND UNITS BELOW
			FLOW	TEMPERATURE	SETTLABLE	RESIDUAL	BOD5	COD	AMMONIA	TOTAL	TOTAL	FECAL	DISSOLVED		
			DAILY RATE	CELSIUS	pH	MATTER	CHLORINE	20°C		NITROGEN	RESIDUE	SUSPENDED RESIDUE	COLIFORM	OXYGEN	
			HRS MGD	C°	UNIT	ML/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	/100 ML	MG/L	
1															
2															
3															
4															
5															
6															
7															
8															
9					7.9							4.8			
10															
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22															
23															
24															
25															
26															
27															
28															
29															
30					7.9							0.8			
31															
<b>Average</b>												2.8			
<b>Max.</b>					7.9							4.8			
<b>Min.</b>					7.9							0.8			
<b>Comp.(C)/Grab(G)</b>					G							C			
<b>Monthly Limit</b>					6-9							30			

Facility Status: ( Please check one of the following)

All monthly averages and / or other limitation do meet permit monitoring requirements

( Compliant)

All monthly averages and / or other limitation do not meet permit monitoring requirements

( Noncompliant)

If the facility is noncompliant, please comment on corrective actions being taken in respect to equipment, operation, maintenance, etc. and a time table for improvements to be made.

( Attach additional sheets if necessary)

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I certify that this Report is accurate and complete to the best of my knowledge:

*John A. Woots*  
 Signature of Permittee

PARAMETER CODES

00010 Temperature	00556 Oil and Grease	00950 Dissolved Fluoride	01077 Silver	39516 PCBS
00065 Stream Stage	00600 Total Nitrogen	01002 Total Arsenic	01087 Total Vanadium	39941 Roundup
00076 Turbidity	00610 Ammonia Nitrogen	01027 Cadmium	01092 Zinc	50047 Max. flow during 24-hr. period
00300 Dissolved Oxygen	00625 Total Kjeldahl Nitrogen	01032 Hexavalent Chromium	01105 Total Aluminum	50048 Min. flow during 24-hr. period
00310 BOD <sub>5</sub>	00665 Total Phosphorous	01034 Chromium	01147 Total Selenium	50050 Flow
00340 COD	00720 Cyanide	01037 Total Cobalt	31504 Total Coliform	50060 Total Residual Chlorine
00400 pH	00745 Total Sulfide	01042 Copper	31614 Fecal Coliform, MPN, Tube	71880 Formaldehyde
00500 Total Solids	00927 Total Magnesium	01045 Total Iron	31616 Fecal Coliform	71900 Mercury
00530 TSS	00929 Total Sodium	01051 Lead	32730 Total Phenolics	81318 Ferrocyanides
00545 Settleable Solids	00940 Total Chloride	01067 Nickel	38260 MBAS	85652 Time

The monthly average for fecal coliform is to be reported as a geometric MEAN.

If using alternate units for reporting data, please designate.

# EFFLUENT

NPDES PERMIT NO: NC0003239 DISCHARGE NO: 007 MONTH: December YEAR: 1986  
 FACILITY NAME: Onslow Beach STP CLASS: II COUNTY: Onslow  
 OPERATOR IN RESPONSIBLE CHARGE (ORC): Mack D. Davis GRADE: IV  
 CERTIFIED LABORATORY: Water Quality Control Laboratory

PERSON(s) COLLECTING SAMPLES: STP Operators

CHECK BLOCK IF ORC HAS CHANGED

Mail original and one copy to:  
 ATT: Central Files  
 Division of Environmental Management  
 NC Department of NRCD  
 PO Box 27687  
 Raleigh, North Carolina 27611

I CERTIFY THAT THIS REPORT  
 IS ACCURATE AND COMPLETE TO  
 THE BEST OF MY KNOWLEDGE.

X



Signature of operator in responsible charge

DATE	TIME 2400 CLOCK	COMPOSITE TIME	50050	00010	00409	00545	50060	00310	00340	00610	00500	00530	316'6	00300	ENTER PARAMETER CODE ABOVE NAME AND UNITS BELOW			
			FLOW	TEMPERATURE	pH	SETTLABLE MATTER	RESIDUAL CHLORINE	BOD5 20°C	COD	AMMONIA NITROGEN	TOTAL RESIDUE	TOTAL SUSPENDED RESIDUE	FECAL COLIFORM Geometric Mean	DISSOLVED OXYGEN				
			EFF <input type="checkbox"/>	CELSIUS											MG/L	MG/L	MG/L	MG/L
DAILY RATE	INF <input type="checkbox"/>	HRS	MGD	C°	UNIT	ML/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	/100 ML	MG/L				
1		8	.0975		6.6		8.0											
2	08	8	.08592		6.4		2.0	16				7				4		
3	08	8	.08464		6.6		5.0											
4	08	8	.08726		6.7		6.0	12				1				0		
5	08	8	.10621		6.5		6.0											
6	08	8	.11044		6.6		5.0											
7	08	8	.10527		6.6		6.0											
8	08	8	.15913		6.9		8.0											
9	08	8	.1098		6.5		5.0	12				7				10		
10	08	8	.11508		6.3		4.0											
11	08	8	.12293		6.2		1.5	10				6				40		
12	08	8	.12283		6.4		4.0											
13	08	8	.12296		6.4		5.0											
14	08	8	.12197		6.6		3.0											
15	08	8	.17071		6.2		5.0											
16	08	8	.11851		6.3		4.5	9				1				0		
17	08	8	.12045		6.4		5.0											
18	08	8	.12355		6.6		4.0	LE				4				0		
19	08	8	.08458		6.7		5.0											
20	08	8	.12340		6.8		6.0											
21	08	8	.10165		6.7		6.0											
22	08	8	.0934		6.8		5.0	9				1				2		
23	08	8	.11852		6.7		4.0											
24	08	8	.14645		6.9		4.0											
25	08	8	.17383		6.4		5.0											
26	08	8	.19276		6.6		4.0											
27	08	8	.11692		6.5		6.0											
28	08	8	.11692		6.5		6.0											
29	08	8	.12022		6.6		5.0											
30	08	8	.11233		6.5		5.0	7				3				2		
31	08	8	.19998		6.6		5.0											
Average			.12213				4.9	11				4				1.10		
Max.			.19998		6.9		8.0	16				7				40		
Min.			.08458		6.2		1.5	7				1				0		
Comp.(C)/ Grab(G)								C				C				G		
Monthly Limit								30				30				70		

Facility Status: ( Please check one of the following)

All monthly averages and / or other limitation do meet permit monitoring requirements

( Compliant)

All monthly averages and / or other limitation do not meet permit monitoring requirements

( Noncompliant)

If the facility is noncompliant, please comment on corrective actions being taken in respect to equipment, operation, maintenance, etc. and a time table for improvements to be made.

( Attach additional sheets if necessary)

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I certify that this Report is accurate and complete to the best of my knowledge:

*Julian J. Wood*  
 Signature of Permittee

PARAMETER CODES

00010 Temperature	00556 Oil and Grease	00950 Dissolved Fluoride	01077 Silver	39516 PCBS
00065 Stream Stage	00600 Total Nitrogen	01002 Total Arsenic	01087 Total Vanadium	39941 Roundup
00076 Turbidity	00610 Ammonia Nitrogen	01027 Cadmium	01092 Zinc	50047 Max. flow during 24-hr. period
00300 Dissolved Oxygen	00625 Total Kjeldahl Nitrogen	01032 Hexavalent Chromium	01105 Total Aluminum	50048 Min. flow during 24-hr. period
00310 BOD <sub>5</sub>	00665 Total Phosphorous	01034 Chromium	01147 Total Selenium	50050 Flow
00340 COD	00720 Cyanide	01037 Total Cobalt	31504 Total Coliform	50060 Total Residual Chlorine
00400 pH	00745 Total Sulfide	01042 Copper	31614 Fecal Coliform, MPN, Tube	71880 Formaldehyde
00500 Total Solids	00927 Total Magnesium	01045 Total Iron	31616 Fecal Coliform	71900 Mercury
00530 TSS	00929 Total Sodium	01051 Lead	32730 Total Phenolics	81318 Ferrocyanides
00545 Settleable Solids	00940 Total Chloride	01067 Nickel	38260 MBAS	85652 Time

The monthly average for fecal coliform is to be reported as a geometric MEAN.

If using alternate units for reporting data, please designate.

# EFFLUENT

**NPDES PERMIT NO:** NC0003239    **DISCHARGE NO:** 006    **MONTH:** December    **YEAR:** 1986  
**FACILITY NAME:** Courthouse Bay STP    **CLASS:** II    **COUNTY:** Onslow  
**OPERATOR IN RESPONSIBLE CHARGE (ORC):** Mack D. Davis    **GRADE:** IV  
**CERTIFIED LABORATORY:** Water Quality Control Laboratory

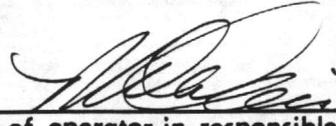
**PERSON(S) COLLECTING SAMPLES:** STP Operators

CHECK BLOCK IF ORC HAS CHANGED

Mail original and one copy to:  
 ATT: Central Files  
 Division of Environmental Management  
 N.C. Department of NRCD  
 PO Box 27687  
 Raleigh, North Carolina 27611

I CERTIFY THAT THIS REPORT  
 IS ACCURATE AND COMPLETE TO  
 THE BEST OF MY KNOWLEDGE.

X



Signature of operator in responsible charge

DATE	TIME 2400 CLOCK	COMPOSITE TIME	50050	00010	00409	00545	50060	00310	00340	00610	00500	00530	31616	00300	31504	ENTER PARAMETER CODE ABOVE NAME AND UNITS BELOW		
			FLOW	TEMPERATURE	pH	SETTLABLE MATTER	RESIDUAL CHLORINE	BOD5 20°C	COD	AMMONIA NITROGEN	TOTAL RESIDUE	TOTAL SUSPENDED RESIDUE	FECAL COLIFORM Geometric Mean	DISSOLVED OXYGEN	TOTAL COLIFORM & GEOMETRIC MEAN			
EFF <input checked="" type="checkbox"/>	CELSIUS	DAILY RATE	MG/L	MG/L												MG/L	MG/L	MG/L
1			.5407		6.8		3.5											
2	08	8	.5251		6.7		3.0	13									4	
3	08	8	.7444		6.4		2.5											
4	08	8	.5365		6.4		2.0	11									0	
5	08	8	.6900		6.8		5.0											
6	08	8	.4814		6.9		2.5											
7	08	8	.5345		6.9		2.0											
8	08	8	.4316		6.9		4.0											
9	08	8	.4610		6.6		3.0	10									0	
10	08	8	.5011		6.9		4.0											
11	08	8	.5331		6.9		4.0	9									0	
12	08	8	.8215		6.8		4.0											
13	08	8	.4973		6.9		4.0											
14	08	8	.4135		6.8		4.0											
15	08	8	.4476		6.8		4.0											
16	08	8	.5264		7.0		4.0	8									0	
17	08	8	.5260		6.9		4.0											
18	08	8	.5341		6.8		4.0	LE									0	
19	08	8	.4699		6.9		4.0											
20	08	8	.3878		6.9		4.0											
21	08	8	.3512		7.0		4.5											
22	08	8	.4352		7.0		4.5	10									12	
23	08	8	.3684		6.8		3.5											
24	08	8	.5240		6.8		4.0											
25	08	8	.2818		7.0		4.0											
26	08	8	.2790		6.6		4.0											
27	08	8	.2484		6.6		4.0											
28	08	8	.2758		6.6		2.5											
29	08	8	.3034		6.6		2.5											
30	08	8	.3118		6.6		2.0	8									2	
31	08	8	.2878		6.9		3.5											
<b>Average</b>			.4613				3.6	10									6	1.77
<b>Max.</b>			.8215		7.0		5.0	13									11	12
<b>Min.</b>			.2484		6.4		2.0	8									1	0
<b>Comp.(C)/Grab(G)</b>					G		G	C									C	G
<b>Monthly Limit</b>					6-9			30									30	70

Facility Status: ( Please check one of the following)

All monthly averages and / or other limitation do meet permit monitoring requirements

( Compliant)

All monthly averages and / or other limitation do not meet permit monitoring requirements

( Noncompliant)

If the facility is noncompliant, please comment on corrective actions being taken in respect to equipment, operation, maintenance, etc. and a time table for improvements to be made.

( Attach additional sheets if necessary)

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I certify that this Report is accurate and complete to the best of my knowledge:

*Julian D. Weston*  
 Signature of Permittee

PARAMETER CODES

00010 Temperature	00556 Oil and Grease	00950 Dissolved Fluoride	01077 Silver	39516 PCBS
00065 Stream Stage	00600 Total Nitrogen	01002 Total Arsenic	01087 Total Vanadium	39941 Roundup
00076 Turbidity	00610 Ammonia Nitrogen	01027 Cadmium	01092 Zinc	50047 Max. flow during 24-hr. period
00300 Dissolved Oxygen	00625 Total Kjeldahl Nitrogen	01032 Hexavalent Chromium	01105 Total Aluminum	50048 Min. flow during 24-hr. period
00310 BOD <sub>5</sub>	00665 Total Phosphorous	01034 Chromium	01147 Total Selenium	50050 Flow
00340 COD	00720 Cyanide	01037 Total Cobalt	31504 Total Coliform	50060 Total Residual Chlorine
00400 pH	00745 Total Sulfide	01042 Copper	31614 Fecal Coliform, MPN, Tube	71880 Formaldehyde
00500 Total Solids	00927 Total Magnesium	01045 Total Iron	31616 Fecal Coliform	71900 Mercury
00530 TSS	00929 Total Sodium	01051 Lead	32730 Total Phenolics	81318 Ferrocyanides
00545 Settleable Solids	00940 Total Chloride	01067 Nickel	38260 MBAS	85652 Time

The monthly average for fecal coliform is to be reported as a geometric MEAN.

If using alternate units for reporting data, please designate.

# EFFLUENT

NPDES PERMIT NO: NC0003239      DISCHARGE NO: 005      MONTH: December      YEAR: 1986  
 FACILITY NAME: Rifle Range STP      CLASS: II      COUNTY: Onslow  
 OPERATOR IN RESPONSIBLE CHARGE (ORC): Mack D Davis      GRADE: IV  
 CERTIFIED LABORATORY: Water Quality Control Laboratory  
 PERSON(S) COLLECTING SAMPLES: STP Operators

CHECK BLOCK IF ORC HAS CHANGED   
 Mail original and one copy to:  
 ATT: Central Files  
 Division of Environmental Management  
 NC Department of NRCD  
 PO Box 27687  
 Raleigh, North Carolina 27611

I CERTIFY THAT THIS REPORT  
 IS ACCURATE AND COMPLETE TO  
 THE BEST OF MY KNOWLEDGE.

  
 X \_\_\_\_\_  
 Signature of operator in responsible charge

DATE	TIME 2400 CLOCK	COMPOSITE TIME	50050	00010	00403	00545	50060	00310	00340	00610	00500	00530	31616	00300	31504	ENTER PARAMETER CODE ABOVE NAME AND UNITS BELOW			
			FLOW EFF <input type="checkbox"/>	TEMPERATURE CELSIUS		SETTLABLE MATTER	RESIDUAL CHLORINE	BOD5 20°C	COD	AMMONIA NITROGEN	TOTAL RESIDUE	TOTAL SUSPENDED RESIDUE	FECAL COLIFORM Geometric Mean	DISSOLVED OXYGEN	TOTAL COLIFORM & GEOMET. MEAN				
			DAILY RATE																
			HRS MGD	C°	UNIT	ML/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	/100 ML	MG/L					
1			.1875		6.8		5.0												
2	088		.1729		6.8		5.0	6					3					2	
3	088		.1995		6.8		5.0												
4	088		.2463		6.8		5.0	10					4					0	
5	088		.1975		6.8		3.0												
6	088		.2195		7.1		4.0												
7	088		.2028		6.9		6.0												
8	088		.2246		7.1		5.0												
9	088		.2052		6.9		5.0	6					4					0	
10	088		.1826		7.0		5.0												
11	088		.2251		7.0		5.0	6					3					0	
12	088		.2718		6.8		5.0												
13	088		.2313		6.8		4.0												
14	088		.2483		6.8		5.0												
15	088		.2295		7.0		4.0												
16	088		.3004		7.0		2.0	5					3					0	
17	088		.2357		7.1		4.0												
18	088		.2628		7.0		2.0	LE					1					0	
19	088		.1283		6.8		4.0												
20	088		.1972		6.9		6.0												
21	088		.1682		6.5		5.0												
22	088		.1750		7.0		6.0	5					2					0	
23	088		.1834		6.8		5.0												
24	088		.2331		6.8		4.0												
25	088		.1661		6.8		6.0												
26	088		.1669		6.8		5.0												
27	088		.1850		6.8		5.0												
28	088		.1855		6.8		4.0												
29	088		.1946		7.2		4.0												
30	088		.1843		6.8		5.0	5					2					0	
31	088		.1710		6.8		5.0												
<b>Average</b>			.2058				4.6	6					3					1.09	
<b>Max.</b>			.3004		7.2		6.0	10					4					2	
<b>Min.</b>			.1283		6.5		2.0	5					1					0	
<b>Comp.(C)/ Grab(G)</b>					G		G	C					C					G	
<b>Monthly Limit</b>					6-9			30					30					70	

Facility Status: ( Please check one of the following)

All monthly averages and / or other limitation do meet permit monitoring requirements

( Compliant)

All monthly averages and / or other limitation do not meet permit monitoring requirements

( Noncompliant)

If the facility is noncompliant, please comment on corrective actions being taken in respect to equipment, operation, maintenance, etc. and a time table for improvements to be made.

( Attach additional sheets if necessary)

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I certify that this Report is accurate and complete to the best of my knowledge:

*Juan J. Woster*  
 Signature of Permittee

PARAMETER CODES

00010	Temperature	00556	Oil and Grease	00950	Dissolved Fluoride	01077	Silver	39516	PCBS
00065	Stream Stage	00600	Total Nitrogen	01002	Total Arsenic	01087	Total Vanadium	39941	Roundup
00076	Turbidity	00610	Ammonia Nitrogen	01027	Cadmium	01092	Zinc	50047	Max. flow during 24-hr. period
00300	Dissolved Oxygen	00625	Total Kjeldahl Nitrogen	01032	Hexavalent Chromium	01105	Total Aluminum	50048	Min. flow during 24-hr. period
00310	BOD <sub>5</sub>	00665	Total Phosphorous	01034	Chromium	01147	Total Selenium	50050	Flow
00340	COD	00720	Cyanide	01037	Total Cobalt	31504	Total Coliform	50060	Total Residual Chlorine
00400	pH	00745	Total Sulfide	01042	Copper	31614	Fecal Coliform, MPN, Tube	71880	Formaldehyde
00500	Total Solids	00927	Total Magnesium	01045	Total Iron	31616	Fecal Coliform	71900	Mercury
00530	TSS	00929	Total Sodium	01051	Lead	32730	Total Phenolics	81318	Ferrocyanides
00545	Settleable Solids	00940	Total Chloride	01067	Nickel	38260	MBAS	85652	Time

The monthly average for fecal coliform is to be reported as a geometric MEAN.

If using alternate units for reporting data, please designate.

# EFFLUENT

NPDES PERMIT NO: NC0003239 DISCHARGE NO: 004 MONTH: December YEAR: 1986

FACILITY NAME: Hadnot Point STP CLASS: IV COUNTY: Onslow

OPERATOR IN RESPONSIBLE CHARGE (ORC): Mack D. Davis GRADE: IV

CERTIFIED LABORATORY: Water Quality Control Laboratory

CHECK BLOCK IF ORC HAS CHANGED

Mail original and one copy to:  
ATT: Central Files  
Division of Environmental Management  
NC Department of NRCD  
PO Box 27687  
Raleigh, North Carolina 27611

PERSON(S) COLLECTING SAMPLES: STP Operators

I CERTIFY THAT THIS REPORT  
IS ACCURATE AND COMPLETE TO  
THE BEST OF MY KNOWLEDGE.



X Mack D. Davis  
Signature of operator in responsible charge

DATE	TIME 2400 CLOCK	COMPOSITE TIME	50050	00010	00409	00545	50060	00310	00340	00610	00500	00530	31616	00300	31504	ENTER PARAMETER CODE ABOVE NAME AND UNITS BELOW			
			FLOW	TEMPERATURE	pH	SETTLABLE MATTER	RESIDUAL CHLORINE	BOD5 20°C	COD	AMMONIA NITROGEN	TOTAL RESIDUE	TOTAL SUSPENDED RESIDUE	FECAL COLIFORM Geometric Mean	DISSOLVED OXYGEN	TOTAL COLIFORM #/100ML	F&M #/100ML			
			EFF <input checked="" type="checkbox"/>	INF <input type="checkbox"/>															
1	00	24	3.457		6.9		4.0	18				12			4				
2	00	24	4.133		6.8		4.0	19				12			66				
3	00	24	3.644		6.8		3.0	16				6			6				
4	00	24	2.906		6.8		4.0	23				5			10				
5	00	24	2.869		6.8		4.0	22				8			8				
6	00	24	1.753		6.8		4.0												
7	00	24	1.678		6.8		4.0												
8	00	24	2.354		6.8		4.0	16				6			10				
9	00	24	.2741		6.8		4.0	17				9			10				
10	00	24	3.001		6.8		2.5	16				10			10				
11	00	24	2.979		6.9		3.0	18				8			60				
12	00	24	3.248		6.8		4.0	26				5			30				
13	00	24	2.886		6.8		3.0												
14	00	24	2.769		6.9		4.0												
15	00	24	2.863		6.9		4.0	17				7			20				
16	00	24	3.685		6.9		4.0	22				12			4				
17	00	24	6.554		6.7		4.0	24				10			0				
18	00	24	7.440		6.7		4.0	LE				8			16				
19	00	24	6.684		6.8		4.0	LE				7			0				
20	00	24	5.500		6.8		4.0												
21	00	24	5.527		6.8		4.0												
22	00	24	6.292		6.8		3.0	19				9			12				
23	00	24	5.678		6.8		4.0	21				10			4				
24	00	24	6.504		6.8		4.0	20				9			20				
25	00	24	5.294		6.8		4.0	13				6			10				
26	00	24	5.320		6.8		4.0	LE				11			550				
27	00	24	5.443		6.8		4.0												
28	00	24	5.293		6.8		4.0												
29	00	24	6.119		6.8		4.0	16				12			20				
30	00	24	6.341		6.9		3.0	19				8			80				
31	00	24	6.040		6.8		4.0	18				8			2				
<b>Average</b>			4.419				3.8	19				9			11.86				
<b>Max.</b>			7.440		6.9		4.0	26				12			550				
<b>Min.</b>			1.678		6.7		2.5	13				5			0				
<b>Comp.(C)/Grab(G)</b>					G		G	C				C			G				
<b>Monthly Limit</b>					6-9			30				30			70				

Facility Status: ( Please check one of the following)

All monthly averages and / or other limitation do meet permit monitoring requirements

( Compliant)

All monthly averages and / or other limitation do not meet permit monitoring requirements

( Noncompliant)

If the facility is noncompliant, please comment on corrective actions being taken in respect to equipment, operation, maintenance, etc. and a time table for improvements to be made.

( Attach additional sheets if necessary)

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I certify that this Report is accurate and complete to the best of my knowledge:

*Johann d. Wooten*  
 Signature of Permittee

PARAMETER CODES

00010 Temperature	00556 Oil and Grease	00950 Dissolved Fluoride	01077 Silver	39516 PCBS
00065 Stream Stage	00600 Total Nitrogen	01002 Total Arsenic	01087 Total Vanadium	39941 Roundup
00076 Turbidity	00610 Ammonia Nitrogen	01027 Cadmium	01092 Zinc	50047 Max. flow during 24-hr. period
00300 Dissolved Oxygen	00625 Total Kjeldahl Nitrogen	01032 Hexavalent Chromium	01105 Total Aluminum	50048 Min. flow during 24-hr. period
00310 BOD <sub>5</sub>	00665 Total Phosphorous	01034 Chromium	01147 Total Selenium	50050 Flow
00340 COD	00720 Cyanide	01037 Total Cobalt	31504 Total Coliform	50060 Total Residual Chlorine
00400 pH	00745 Total Sulfide	01042 Copper	31614 Fecal Coliform, MPN, Tube	71880 Formaldehyde
00500 Total Solids	00927 Total Magnesium	01045 Total Iron	31616 Fecal Coliform	71900 Mercury
00530 TSS	00929 Total Sodium	01051 Lead	32730 Total Phenolics	81318 Ferrocyanides
00545 Settleable Solids	00940 Total Chloride	01067 Nickel	38260 MBAS	85652 Time

The monthly average for fecal coliform is to be reported as a geometric MEAN.

If using alternate units for reporting data, please designate.

# EFFLUENT

NPDES PERMIT NO: NC0003239 DISCHARGE NO: 003 MONTH: December YEAR: 1986

FACILITY NAME: Montford Point (Camp Johnson) CLASS: II COUNTY: Onslow

OPERATOR IN RESPONSIBLE CHARGE (ORC): Mack D. Davis GRADE: IV

CERTIFIED LABORATORY: Water Quality Control Laboratory

CHECK BLOCK IF ORC HAS CHANGED

Mail original and one copy to:  
 ATT: Central Files  
 Division of Environmental Management  
 NC Department of NRCD  
 PO Box 27687  
 Raleigh, North Carolina 27611

PERSON(S) COLLECTING SAMPLES: STP Operators

I CERTIFY THAT THIS REPORT  
 IS ACCURATE AND COMPLETE TO  
 THE BEST OF MY KNOWLEDGE.



X \_\_\_\_\_  
 Signature of operator in responsible charge

DATE	TIME 2400 CLOCK	COMPOSITE TIME	50050	00010	00403	00545	50060	00310	00340	00610	00500	00530	31616	00300	ENTER PARAMETER CODE ABOVE NAME AND UNITS BELOW			
			FLOW EFF <input type="checkbox"/>	TEMPERATURE		SETTLABLE MATTER	RESIDUAL CHLORINE			AMMONIA NITROGEN	TOTAL RESIDUE	TOTAL SUSPENDED RESIDUE	FECAL COLIFORM	DISSOLVED OXYGEN				
		DAILY RATE	° CELSIUS	pH	ML/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	/100 ML	MG/L				
	HRS	MGD	C°	UNIT														
1		.346		6.8		5.0												
2	08	.503		7.0		3.0	18					10	2					
3	08	.346		7.0		5.0												
4	08	.333		7.1		4.0	11					2	0					
5	08	.451		7.0		4.0												
6	08	.296		7.0		5.0												
7	08	.330		7.0		5.0												
8	08	.317		7.1		5.0												
9	08	.341		7.2		4.0	12					4	0					
10	08	.312		6.9		5.0												
11	08	.340		7.2		4.0	7					1	0					
12	08	.311		7.1		4.0												
13	08	.445		7.0		4.0												
14	08	.252		7.2		0.2												
15	08	.340		7.0		4.0												
16	08	.343		7.1		4.0	7					1	10					
17	08	.344		7.0		4.0												
18	08	.3594		7.0		4.0	LE					1	12					
19	08	.3261		6.9		4.0												
20	08	.3454		7.0		3.0												
21	08	.3526		6.8		4.0												
22	08	.3279		6.8		3.0	10					6	6					
23	08	.3445		7.0		3.0	12					4	4					
24	08	.346		7.0		1.5												
25	08	.331		7.1		2.5												
26	08	.327		6.9		4.0												
27	08	.345		7.0		2.0												
28	08	.342		7.0		4.0												
29	08	.343		7.0		1.5												
30	08	.3422		7.1		4.0	8					4	2					
31	08	.3403		6.4		3.0												
<b>Average</b>		.3348				3.6	11					4	2.83*					
<b>Max.</b>		.503		7.2		5.0	18					10	12					
<b>Min.</b>		.252		6.4		0.2	7					1	0					
<b>Comp.(C)/ Grab(G)</b>				G		G	C					C	G					
<b>Monthly Limit</b>				6-9			30					30	200					

Facility Status: ( Please check one of the following)

All monthly averages and / or other limitation do meet permit monitoring requirements  ( Compliant)

All monthly averages and / or other limitation do not meet permit monitoring requirements  ( Noncompliant)

If the facility is noncompliant, please comment on corrective actions being taken in respect to equipment, operation, maintenance, etc. and a time table for improvements to be made.

( Attach additional sheets if necessary)

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I certify that this Report is accurate and complete to the best of my knowledge:

*Johari d Wooten*  
 Signature of Permittee

PARAMETER CODES

00010 Temperature	00556 Oil and Grease	00950 Dissolved Fluoride	01077 Silver	39516 PCBS
00065 Stream Stage	00600 Total Nitrogen	01002 Total Arsenic	01087 Total Vanadium	39941 Roundup
00076 Turbidity	00610 Ammonia Nitrogen	01027 Cadmium	01092 Zinc	50047 Max. flow during 24-hr. period
00300 Dissolved Oxygen	00625 Total Kjeldahl Nitrogen	01032 Hexavalent Chromium	01105 Total Aluminum	50048 Min. flow during 24-hr. period
00310 BOD <sub>5</sub>	00665 Total Phosphorous	01034 Chromium	01147 Total Selenium	50050 Flow
00340 COD	00720 Cyanide	01037 Total Cobalt	31504 Total Coliform	50060 Total Residual Chlorine
00400 pH	00745 Total Sulfide	01042 Copper	31614 Fecal Coliform, MPN, Tube	71880 Formaldehyde
00500 Total Solids	00927 Total Magnesium	01045 Total Iron	31616 Fecal Coliform	71900 Mercury
00530 TSS	00929 Total Sodium	01051 Lead	32730 Total Phenolics	81318 Ferrocyanides
00545 Settleable Solids	00940 Total Chloride	01067 Nickel	38260 MBAS	85652 Time

The monthly average for fecal coliform is to be reported as a geometric MEAN.

If using alternate units for reporting data, please designate.

NC0003239

# EFFLUENT 002

December 1986

NPDES PERMIT NO: \_\_\_\_\_ DISCHARGE NO: \_\_\_\_\_ MONTH: \_\_\_\_\_ YEAR: \_\_\_\_\_

FACILITY NAME: Tarawa Terrace StP CLASS: \_\_\_\_\_ COUNTY: O. slow

OPERATOR IN RESPONSIBLE CHARGE (ORC): Mack W. Davis GRADE: TV

CERTIFIED LABORATORY: Water Quality Control Laboratory

CHECK BLOCK IF ORC HAS CHANGED

PERSON(S) COLLECTING SAMPLES: STP Operators

Mail original and one copy to:  
ATT: Central Files  
Division of Environmental Management  
NC Department of NRCD  
PO Box 27687  
Raleigh, North Carolina 27611

I CERTIFY THAT THIS REPORT  
IS ACCURATE AND COMPLETE TO  
THE BEST OF MY KNOWLEDGE.

X

Signature of operator in responsible charge

DATE	TIME 2400 CLOCK	COMPOSITE TIME	50050	00010	00409	00545	50060	00310	00340	00610	00500	00530	31616	00300	ENTER PARAMETER CODE ABOVE NAME AND UNITS BELOW			
			FLOW	TEMPERATURE	PH	SETTLABLE MATTER	RESIDUAL CHLORINE	BOD5 20°C	COD	AMMONIA NITROGEN	TOTAL RESIDUE	TOTAL SUSPENDED RESIDUE	FECAL COLIFORM	DISSOLVED OXYGEN				
			DAILY RATE	CELSIUS	UNIT	ML/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	/100 ML	MG/L				
1	00	24	.8106		6.4		4.0	27				16	26					
2	00	24	1.3023		6.5		3.0	24				9	8					
3	00	24	.8692		6.6		4.0	19				7	70					
4	00	24	.8006		6.6		4.0	22				4	6					
5	00	24	.8280		6.5		4.0	27				8	2					
6	00	24	.7319		6.5		4.0											
7	00	24	.7249		6.7		4.0											
8	00	24	.7945		6.6		4.0	25				12	2					
9	00	24	.8248		6.8		4.0	25				11	2					
10	00	24	.8825		6.6		4.0	37				16	0					
11	00	24	.8979		6.8		4.0	32				10	0					
12	00	24	1.0287		6.6		4.0	28				9	4					
13	00	24	.9317		6.6		4.0											
14	00	24	.7878		6.6		4.0											
15	00	24	.7874		6.5		4.0	29				9	0					
16	00	24	.7034		6.5		4.5	31				7	0					
17	00	24	.7820		6.6		4.0	29				7	0					
18	00	24	1.8022		6.7		4.0	LE				8	0					
19	00	24	.8046		6.5		4.5	LE				9	10					
20	00	24	.6721		6.4		5.0											
21	00	24	.7690		6.5		5.0											
22	00	24	.7473		6.6		4.0	36				14	0					
23	00	24	.6670		6.4		5.0	27				13	0					
24	00	24	1.1608		6.7		4.0											
25	00	24	.7866		6.6		4.0											
26	00	24	.7600		6.6		4.0	LE				15	4					
27	00	24	.7871		6.6		4.0											
28	00	24	.7329		6.7		4.0											
29	00	24	.8077		6.5		4.0	29				19	0					
30	00	24	1.8023		6.6		4.0	30				14	40					
31	00	24	.8042		6.5		4.0	42				19	0					
<b>Average</b>			<b>.8901</b>					<b>29</b>				<b>11</b>	<b>2.88*</b>					
<b>Max.</b>			<b>1.8023</b>		<b>6.8</b>		<b>5.0</b>	<b>42</b>				<b>19</b>	<b>70</b>					
<b>Min.</b>			<b>.6670</b>		<b>6.4</b>		<b>3.0</b>	<b>19</b>				<b>4</b>	<b>0</b>					
<b>Comp.(C)/Grab(G)</b>					<b>G</b>		<b>G</b>	<b>C</b>				<b>C</b>	<b>G</b>					
<b>Monthly Limit</b>					<b>6-9</b>			<b>30</b>				<b>30</b>	<b>200</b>					

Facility Status: ( Please check one of the following)

All monthly averages and / or other limitation do meet permit monitoring requirements

( Compliant)

All monthly averages and / or other limitation do not meet permit monitoring requirements

( Noncompliant)

If the facility is noncompliant, please comment on corrective actions being taken in respect to equipment, operation, maintenance, etc. and a time table for improvements to be made.

( Attach additional sheets if necessary)

See Cover letter for comments

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I certify that this Report is accurate and complete to the best of my knowledge:

*Julia J. Wooten*  
Signature of Permittee

PARAMETER CODES

00010 Temperature	00556 Oil and Grease	00950 Dissolved Fluoride	01077 Silver	39516 PCBS
00065 Stream Stage	00600 Total Nitrogen	01002 Total Arsenic	01087 Total Vanadium	39941 Roundup
00076 Turbidity	00610 Ammonia Nitrogen	01027 Cadmium	01092 Zinc	50047 Max. flow during 24-hr. period
00300 Dissolved Oxygen	00625 Total Kjeldahl Nitrogen	01032 Hexavalent Chromium	01105 Total Aluminum	50048 Min. flow during 24-hr. period
00310 BOD <sub>5</sub>	00665 Total Phosphorous	01034 Chromium	01147 Total Selenium	50050 Flow
00340 COD	00720 Cyanide	01037 Total Cobalt	31504 Total Coliform	50060 Total Residual Chlorine
00400 pH	00745 Total Sulfide	01042 Copper	31614 Fecal Coliform, MPN, Tube	71880 Formaldehyde
00500 Total Solids	00927 Total Magnesium	01045 Total Iron	31616 Fecal Coliform	71900 Mercury
00530 TSS	00929 Total Sodium	01051 Lead	32730 Total Phenolics	81318 Ferrocyanides
00545 Settleable Solids	00940 Total Chloride	01067 Nickel	38260 MBAS	85652 Time

The monthly average for fecal coliform is to be reported as a geometric MEAN.

If using alternate units for reporting data, please designate.

# EFFLUENT

NPDES PERMIT NO: NC0003239 DISCHARGE NO: 001 MONTH: December YEAR: 1986

FACILITY NAME: Camp Geiger STP CLASS: III COUNTY: Onslow

OPERATOR IN RESPONSIBLE CHARGE (ORC): Mack D. Davis GRADE: IV

CERTIFIED LABORATORY: Water Quality Control Laboratory

PERSON(S) COLLECTING SAMPLES: STP Operators

CHECK BLOCK IF ORC HAS CHANGED

Mail original and one copy to:  
ATT: Central Files  
Division of Environmental Management  
NC Department of NRCD  
PO Box 27487  
Raleigh, North Carolina 27611

I CERTIFY THAT THIS REPORT  
IS ACCURATE AND COMPLETE TO  
THE BEST OF MY KNOWLEDGE.

X *Mack D. Davis*  
Signature of operator in responsible charge

DATE	TIME 2400 CLOCK	COMPOSITE TIME	50050	00010	00409	00545	50060	00310	00340	00610	00500	00530	31616	00300	ENTER PARAMETER CODE ABOVE NAME AND UNITS BELOW			
			FLOW EFF <input type="checkbox"/> INF <input type="checkbox"/>	TEMPERATURE CELSIUS	pH	SETTLABLE MATTER	RESIDUAL CHLORINE	BOD5 20°C	COD	AMMONIA NITROGEN	TOTAL RESIDUE	TOTAL SUSPENDED RESIDUE	FECAL COLIFORM <small>Geometric Mean</small>	DISSOLVED OXYGEN				
			DAILY RATE															
			HRS MGD	C°	UNIT	ML/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	/100 ML	MG/L				
1	00	24	.8516		6.4		4.0	4				2	4					
2	00	24	.8672		6.8		4.0	12				6	2					
3	00	24	.8672		6.6		4.0	10				5	2					
4	00	24	1.2357		6.9		4.0	8				1	0					
5	00	24	1.0695		6.8		4.0	11				7	0					
6	00	24	1.0311		6.8		4.0											
7	00	24	.9383		7.0		4.0											
8	00	24	.9168		7.0		4.0	9				11	0					
9	00	24	.9316		7.0		4.0	10				8	0					
10	00	24	1.0915		7.1		4.0	12				6	0					
11	00	24	1.1851		7.0		4.0	16				8	6					
12	00	24	1.4597		7.2		4.0	17				4	30					
13	00	24	1.1578		7.0		4.0											
14	00	24	1.2007		7.2		4.0											
15	00	24	1.1370		7.1		4.0	16				4	0					
16	00	24	1.1227		6.9		4.0	10				1	0					
17	00	24	1.0981		7.4		4.0	10				4	0					
18	00	24	1.2114		7.2		4.0	LE				3	60					
19	00	24	1.1096		7.2		4.0	LE				6	0					
20	00	24	1.0270		6.9		4.0											
21	00	24	.9601		7.0		4.0											
22	00	24	1.0854		7.0		4.0	7				3	0					
23	00	24	1.0799		7.0		4.0	5				7	18					
24	00	24	1.4657		6.4		4.0											
25	00	24	1.1326		6.6		4.0											
26	00	24	.4880		7.2		4.0	LE				10	0					
27	00	24	1.0138		7.0		4.0											
28	00	24	.9720		6.9		4.0											
29	00	24	1.1605		6.8		4.0	8				9	0					
30	00	24	1.1948		6.8		4.0	5				2	0					
31	00	24	1.1948		6.8		4.0	9				6	0					
Average			1.0728				4.0	10				5	2.04					
Max.			1.4657		7.4		4.0	17				11	60					
Min.			.4880		6.4		4.0	4				1	0					
Comp.(C)/Grab(G)					G		G	C				C	G					
Monthly Limit					6-9			30				30	200					

Facility Status: ( Please check one of the following)

All monthly averages and / or other limitation do meet permit monitoring requirements

( Compliant)

All monthly averages and / or other limitation do not meet permit monitoring requirements

( Noncompliant)

If the facility is noncompliant, please comment on corrective actions being taken in respect to equipment, operation, maintenance, etc. and a time table for improvements to be made.

( Attach additional sheets if necessary)

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I certify that this Report is accurate and complete to the best of my knowledge:

*Johari J. Wooten*  
 Signature of Permittee

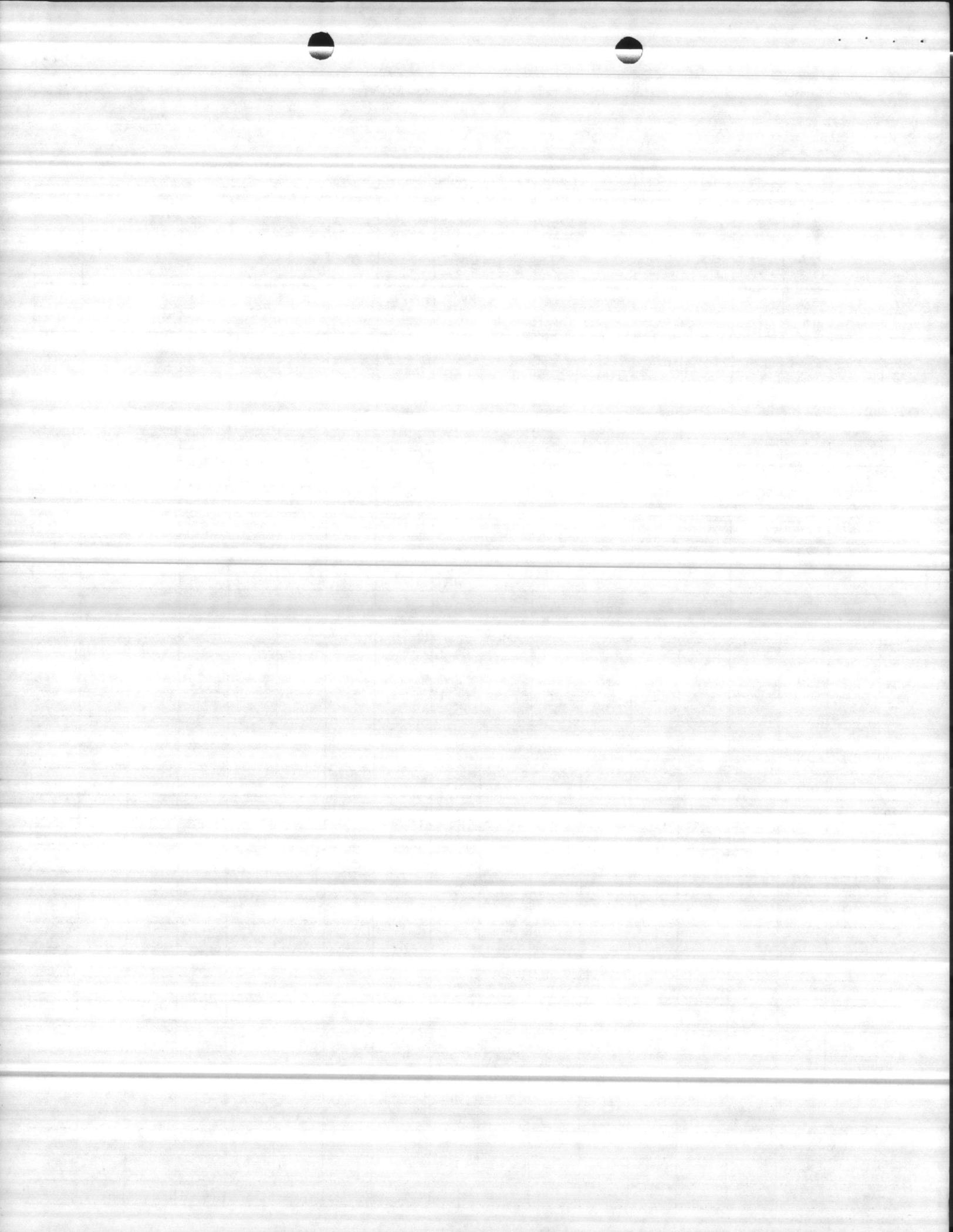
PARAMETER CODES

00010	Temperature	00556	Oil and Grease	00950	Dissolved Fluoride	01077	Silver	39516	PCBS
00065	Stream Stage	00600	Total Nitrogen	01002	Total Arsenic	01087	Total Vanadium	39941	Roundup
00076	Turbidity	00610	Ammonia Nitrogen	01027	Cadmium	01092	Zinc	50047	Max. flow during 24-hr. period
00300	Dissolved Oxygen	00625	Total Kjeldahl Nitrogen	01032	Hexavalent Chromium	01105	Total Aluminum	50048	Min. flow during 24-hr. period
00310	BOD <sub>5</sub>	00665	Total Phosphorous	01034	Chromium	01147	Total Selenium	50050	Flow
00340	COD	00720	Cyanide	01037	Total Cobalt	31504	Total Coliform	50060	Total Residual Chlorine
00400	pH	00745	Total Sulfide	01042	Copper	31614	Fecal Coliform, MPN, Tube	71880	Formaldehyde
00500	Total Solids	00927	Total Magnesium	01045	Total Iron	31616	Fecal Coliform	71900	Mercury
00530	TSS	00929	Total Sodium	01051	Lead	32730	Total Phenolics	81318	Ferrocyanides
00545	Settleable Solids	00940	Total Chloride	01067	Nickel	38260	MBAS	85652	Time

The monthly average for fecal coliform is to be reported as a geometric MEAN.

If using alternate units for reporting data, please designate.





# Influent

NPDES NO: NC0003239 DISCHARGE NO: 002 MONTH: December YEAR: 1986

FACILITY NAME: Tarawa Terrace STP COUNTY: Onslow

			00400	00010	00545	00310	00610	00500	00530	00340	ENTER PARAMETER CODE ABOVE & NAME AND UNITS BELOW					
Date	Time	Composite Time	PH	Temperature (Celsius)	Settleable Matter	BOD <sub>5</sub> 20 °C	Ammonia Nitrogen	Total Residue	Total Suspended Residue	COD						
		HRS	STD UNITS	°C	MI/L	MG/L	MG/L	MG/L	MG/L	MG/L						
1	00	24				120			296							
2	00	24				128			136							
3	00	24				144			130							
4	00	24				220			176							
5	00	24				176			78							
6																
7																
8	00	24				188			94							
9	00	24				192			138							
10	00	24				184			118							
11	00	24				168			120							
12	00	24				204			310							
13																
14																
15	00	24				200			92							
16	00	24				176			194							
17	00	24				180			94							
18	00	24				LE			68							
19	00	24				LE			130							
20																
21																
22	00	24				140			140							
23	00	24				188			108							
24																
25																
26	00	24				LE			196							
27																
28																
29	00	24				140			97							
30	00	24				172			272							
31	00	24				160			98							
AVERAGE						171			147							
MONTHLY MAXIMUM						220			310							
MONTHLY MINIMUM						120			78							
SAMPLE TYPE C or G						C			C							



# Influent

NPDES NO: NC0003239 DISCHARGE NO: 003 MONTH: December YEAR: 1986

FACILITY NAME: Montford Point (Camp Johnson) STP COUNTY: Onslow

		00400	00010	00545	00310	00610	00500	00530	00340	ENTER PARAMETER CODE ABOVE & NAME AND UNITS BELOW					
Date	Time	Composite Time	PH	Temperature (Celsius)	Settleable Matter	BOD <sub>5</sub> 20 °C	Ammonia Nitrogen	Total Residue	Total Suspended Residue	COD					
		HRS	STD UNITS	°C	MI/L	MG/L	MG/L	MG/L	MG/L	MG/L					
1															
2	08	8				108			76						
3															
4	08	8				160			32						
5															
6															
7															
8															
9	08	8				140			82						
10															
11	08	8				84			28						
12															
13															
14															
15															
16	08	8				88			40						
17															
18	08	8				LE			20						
19															
20															
21															
22	08	8				48			30						
23	08	8				108			48						
24															
25															
26															
27															
28															
29															
30	08	8				56			33						
31															
AVERAGE						99			43						
MONTHLY MAXIMUM						160			82						
MONTHLY MINIMUM						48			20						
SAMPLE TYPE C or G						C			C						



# Influent

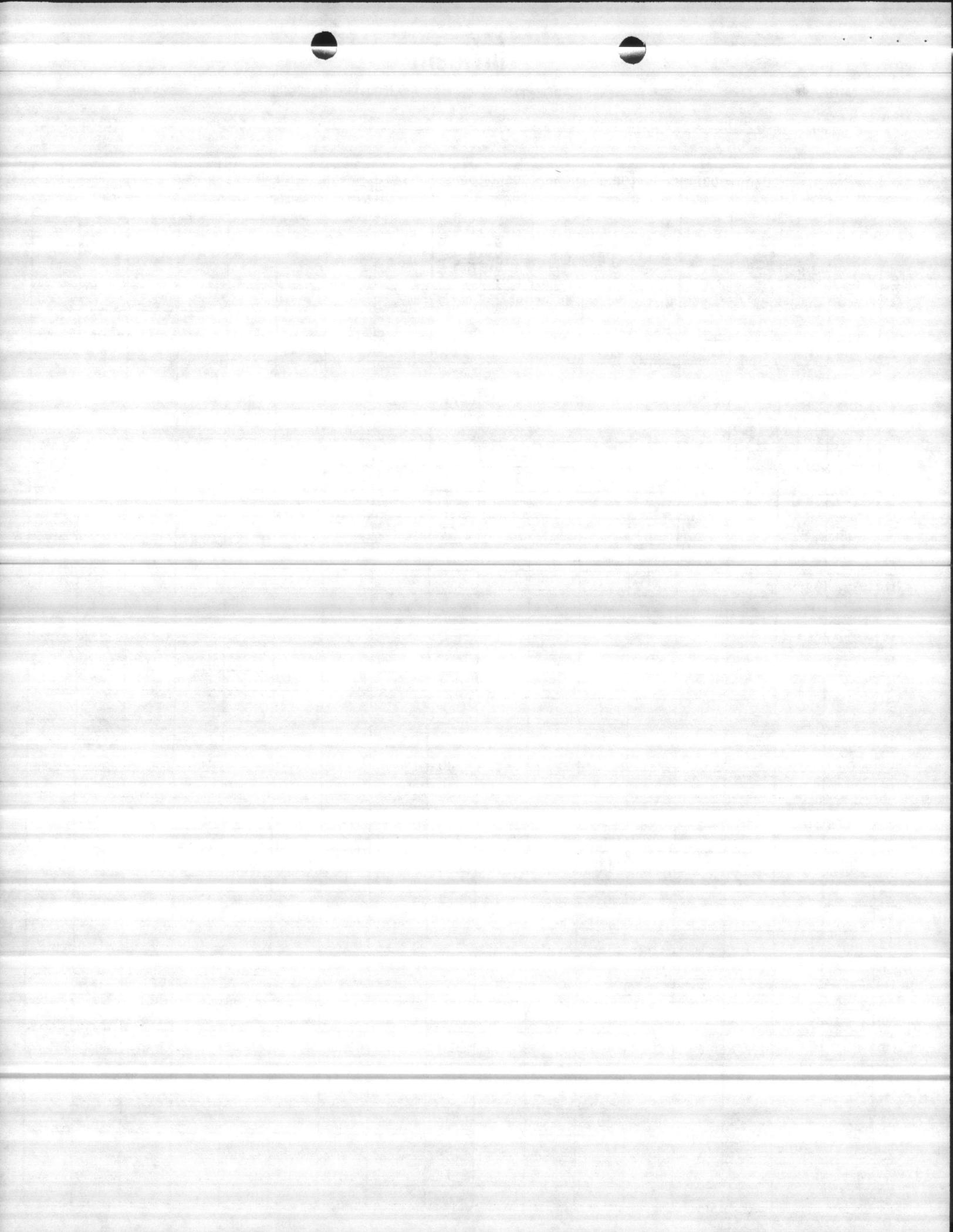
NPDES NO: NC0003239 DISCHARGE NO: 004 MONTH: December YEAR: 1986

FACILITY NAME: Hadnot Point STP COUNTY: Onslow

			00400	00010	00545	00310	00610	00500	00530	00340	ENTER PARAMETER CODE ABOVE & NAME AND UNITS BELOW						
Date	Time	Composite Time	PH	Temperature (Celsius)	Settleable Matter	BOD <sub>5</sub> 20 °C	Ammonia Nitrogen	Total Residue	Total Suspended Residue	COD							
		HRS	STD UNITS	°C	MI/L	MG/L	MG/L	MG/L	MG/L	MG/L							
1	00	24				200			140								
2	00	24				188			132								
3	00	24				124			112								
4	00	24				124			98								
5	00	24				148			108								
6																	
7																	
8	00	24				112			96								
9	00	24				196			213								
10	00	24				128			106								
11	00	24				156			138								
12	00	24				152			138								
13																	
14																	
15	00	24				104			72								
16	00	24				144			58								
17	00	24				136			118								
18	00	24				LE			96								
19	00	24				LE			70								
20																	
21																	
22	00	24				100			66								
23	00	24				108			83								
24	00	24				100			117								
25	00	24				104			96								
26	00	24				LE			94								
27																	
28																	
29	00	24				128			132								
30	00	24				128			54								
31	00	24				92			64								
AVERAGE									134			104					
MONTHLY MAXIMUM									200			213					
MONTHLY MINIMUM									92			54					
SAMPLE TYPE C or G									C			C					







# Influent

NPDES NO: NC0003239 DISCHARGE NO: 006 MONTH: December YEAR: 1986

FACILITY NAME: Courthouse Bay STP COUNTY: Onslow

		00400	00010	00545	00310	00610	00500	00530	00340	ENTER PARAMETER CODE ABOVE & NAME AND UNITS BELOW			
Date	Time	PH	Temperature (Celsius)	Settleable Matter	BOD <sub>5</sub> 20 °C	Ammonia Nitrogen	Total Residue	Total Suspended Residue	COD				
	Composite Time	STD UNITS	°C	MI/L	MG/L	MG/L	MG/L	MG/L	MG/L				
	HRS												
1													
2	08	8			132			45					
3													
4	08	8			48			30					
5													
6													
7													
8													
9	08	8			76			30					
10													
11	08	8			276			232					
12													
13													
14													
15													
16	08	8			108			184					
17													
18	08	8			LE			16					
19													
20													
21													
22	08	8			80			240					
23													
24													
25													
26													
27													
28													
29													
30	08	8			60			80					
31													
AVERAGE					111			107					
MONTHLY MAXIMUM					276			240					
MONTHLY MINIMUM					48			16					
SAMPLE TYPE C or G					C			C					



# Influent

NPDES NO: NC0003239

DISCHARGE NO: 007

MONTH: December

YEAR: 1986

FACILITY NAME: Onslow Beach STP

COUNTY: Onslow

		00400	00010	00545	00310	00610	00500	00530	00340	ENTER PARAMETER CODE ABOVE & NAME AND UNITS BELOW				
Date	Time	PH	Temperature (Celsius)	Settleable Matter	BOD <sub>5</sub> 20 °C	Ammonia Nitrogen	Total Residue	Total Suspended Residue	COD					
	Composite Time									STD UNITS	°C	MI/L	MG/L	MG/L
	HRS													
1														
2	08	8			248			56						
3														
4	08	8			260			52						
5														
6														
7														
8														
9	08	8			188			70						
10														
11	08	8			140			92						
12														
13														
14														
15														
16	08	8			148			268						
17														
18	08	8			LE			68						
19														
20														
21														
22	08	8			84			30						
23														
24														
25														
26														
27														
28														
29														
30	08	8			20			10						
31														
AVERAGE					155			81						
MONTHLY MAXIMUM					260			268						
MONTHLY MINIMUM					20			30						
SAMPLE TYPE C or G					C			C						



NPDES NO: NC0003239

CHARGE NO: 001

MONTH: December

YEAR: 1986

FACILITY NAME: Camp Geiger STP

COUNTY: Onslow

STREAM: New River

STREAM: New River

LOCATION: RW01 - At Hughes Marins

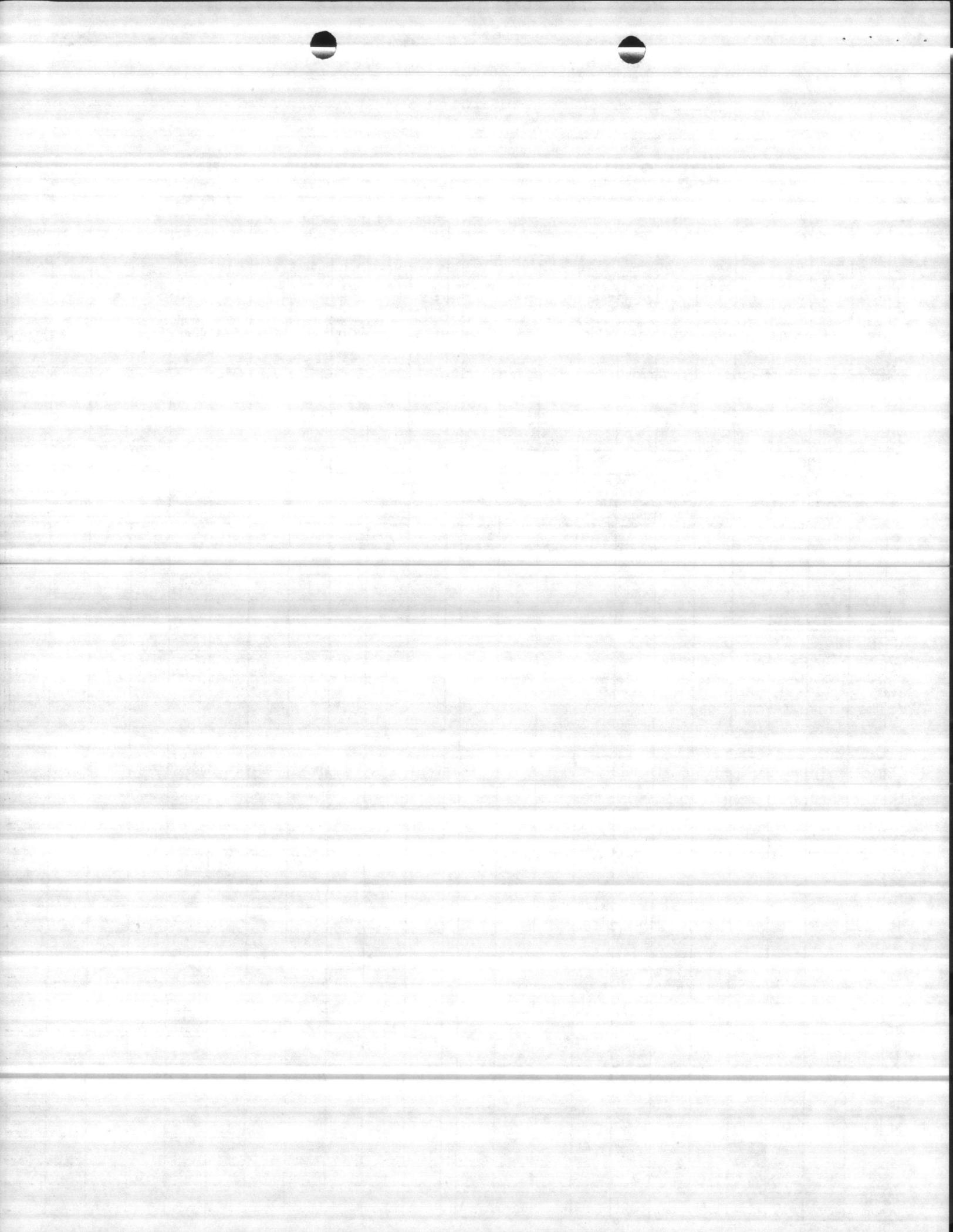
LOCATION: RW04 - Hospital Point

### Upstream

### Downstream

Date	Time 2400 Clock	Temperature (Celsius)	Dissolved Oxygen	PH	BOD <sub>5</sub> 20°C	COD	Fecal Coliform *Geometric Mean	Enter Parameter Code above Name and Units Below	
								0110	0111
HRS	°C	MG/L	STD UNITS	MG/L	MG/L	100 ml	MG/L		
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17	09	10	7.9	7.4	1.6		420	0.6	
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
Average	10	7.9			1.6		420	0.6	
Monthly Maximum	10	7.9	7.4		1.6		420	0.6	
Monthly Minimum	10	7.9	7.4		1.6		420	0.6	

Date	Time 2400 Clock	Temperature (Celsius)	Dissolved Oxygen	PH	BOD <sub>5</sub> 20°C	COD	Fecal Coliform *Geometric Mean	Enter Parameter Code above Name and Units Below	
								0110	0111
HRS	°C	MG/L	STD UNITS	MG/L	MG/L	100 ml	MG/L		
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
Average	9	14.3			5.9		48	0.2	
Monthly Maximum	9	14.3	8.3		5.9		48	0.2	
Monthly Minimum	9	14.3	8.3		5.9		48	0.2	



NPDES NO: NC0003239 DISCHARGE NO: 002 MONTH: December YEAR: 1986

FACILITY NAME: Tarawa Terrace STP COUNTY: Onslow

STREAM: Northeast Creek STREAM: Northeast Creek

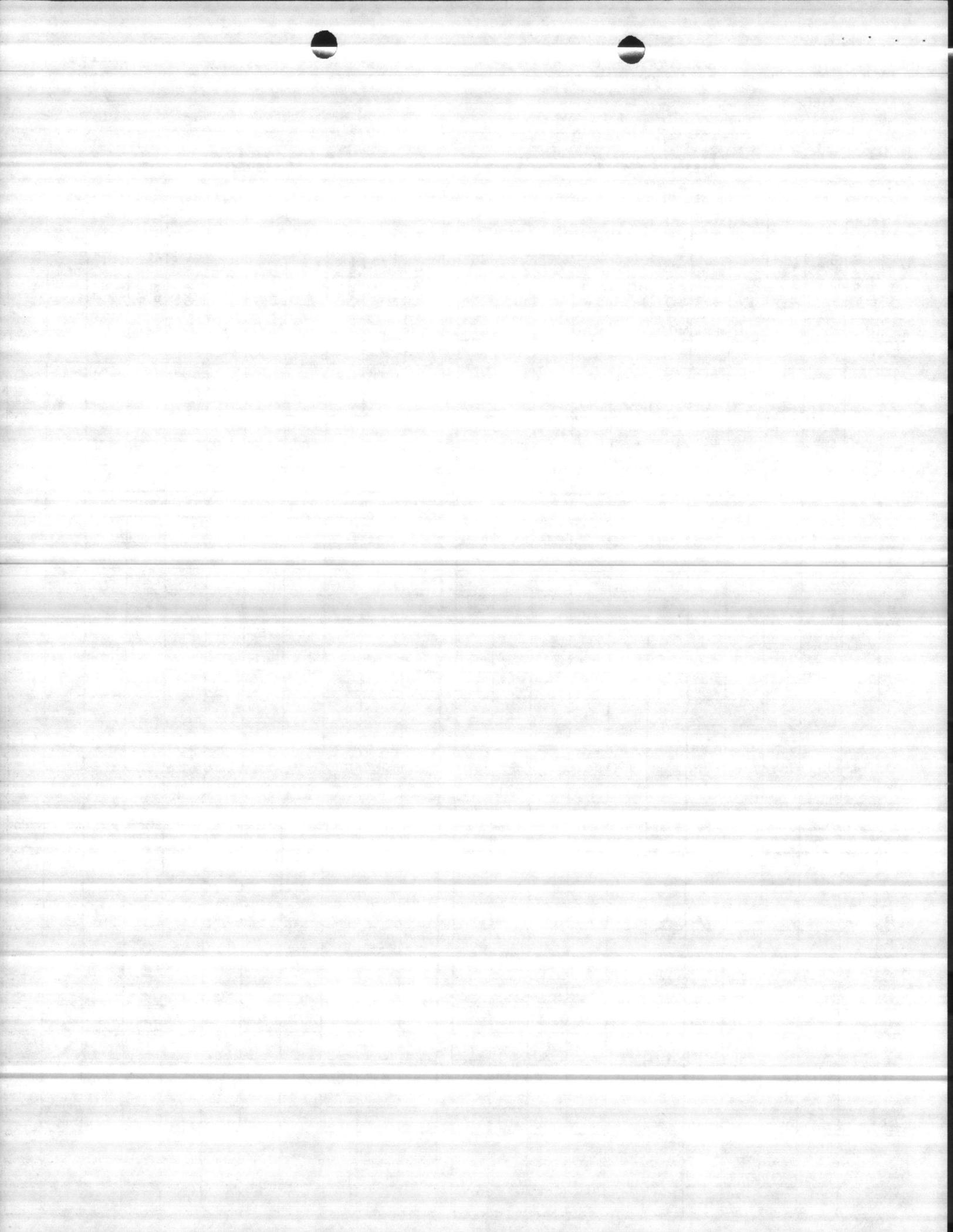
LOCATION: RW02 - At Hwy 24 Bridge LOCATION: RW03 - Between discharge 002&003

## Upstream

## Downstream

Date	000100		003000		004000		003100		003400		31616		00556						
	Time	2400 Clock	Temperature (Celsius)	Dissolved Oxygen	PH	BOD5 20°C	COD	Fecal Coliform *Geometric Mean							Enter Parameter Code above Name and Units Below				
	HRS	°C	MG/L	STD UNITS	MG/L	MG/L	100 ml	MG/L											
1																			
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			
13																			
14																			
15																			
16																			
17	09	12	11.2	7.0	7.2			120	3.2										
18																			
19																			
20																			
21																			
22																			
23																			
24																			
25																			
26																			
27																			
28																			
29																			
30																			
31																			
Average	12	11.2			7.2			120	3.2										
Monthly Maximum	12	11.2	7.0	7.2				120	3.2										
Monthly Minimum	12	11.2	7.0	7.2				120	3.2										

Date	000100		003000		004000		003100		003400		31616		00556						
	Time	2400 Clock	Temperature (Celsius)	Dissolved Oxygen	PH	BOD5 20°C	COD	Fecal Coliform *Geometric Mean						Enter Parameter Code above Name and Units Below					
	HRS	°C	MG/L	STD UNITS	MG/L	MG/L	100 ml	MG/L											
1																			
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			
13																			
14																			
15																			
16																			
17	09	12	15.2	7.1	13			80	1.7										
18																			
19																			
20																			
21																			
22																			
23																			
24																			
25																			
26																			
27																			
28																			
29																			
30																			
31																			
Average	12	15.2			13			80	1.7										
Monthly Maximum	12	15.2	7.1	13				80	1.7										
Monthly Minimum	12	15.2	7.1	13				80	1.7										



NPDES NO: NC0003239 DISCHARGE NO: 003 MONTH: December YEAR: 1986

FACILITY NAME: Montford Point STP (Camp Johnson) COUNTY: Onslow  
Northeast Creek New River

STREAM: \_\_\_\_\_ STREAM: \_\_\_\_\_

LOCATION: RW03 - Between discharge 002 & 003 LOCATION: RW04 - Hospital Point

## Upstream

## Downstream

Date	Time 2400 Clock	Temperature (Celsius)	Dissolved Oxygen	PH	BOD5 20°C	COD	Fecal Coliform *Geometric Mean	Enter Parameter Code above Name and Units Below	
								00010	00300
								00400	00310
								00340	31616
	HRS	°C	MG/L	STD UNITS	MG/L	MG/L	100 ml	MG/L	MG/L
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17	09	12	15.2	7.1	13		80	1.7	
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
Average	12	15.2			13		80	1.7	
Monthly Maximum	12	15.2	27.1		13		80	1.7	
Monthly Minimum	12	15.2	7.1		13		80	1.7	*

Date	Time 2400 Clock	Temperature (Celsius)	Dissolved Oxygen	PH	BOD5 20°C	COD	Fecal Coliform *Geometric Mean	Enter Parameter Code above Name and Units Below	
								00010	00300
								00400	00310
								00340	31616
	HRS	°C	MG/L	STD UNITS	MG/L	MG/L	100 ml	MG/L	MG/L
1									
2									
3									
4									
5									
6									
7									
8									
9									
10	09	12	14.3	8.3	5.9		48	0.2	
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
Average	9	14.3			5.9		48	0.2	
Monthly Maximum	9	14.3	27.1		5.9		48	0.2	
Monthly Minimum	9	14.3	8.3		5.9		48	0.2	



NPDES NO: NC0003239 DISCHARGE NO: 004 MONTH: December YEAR: 1986

FACILITY NAME: Hadnot Point S/P COUNTY: Onslow

STREAM: New River STREAM: New River

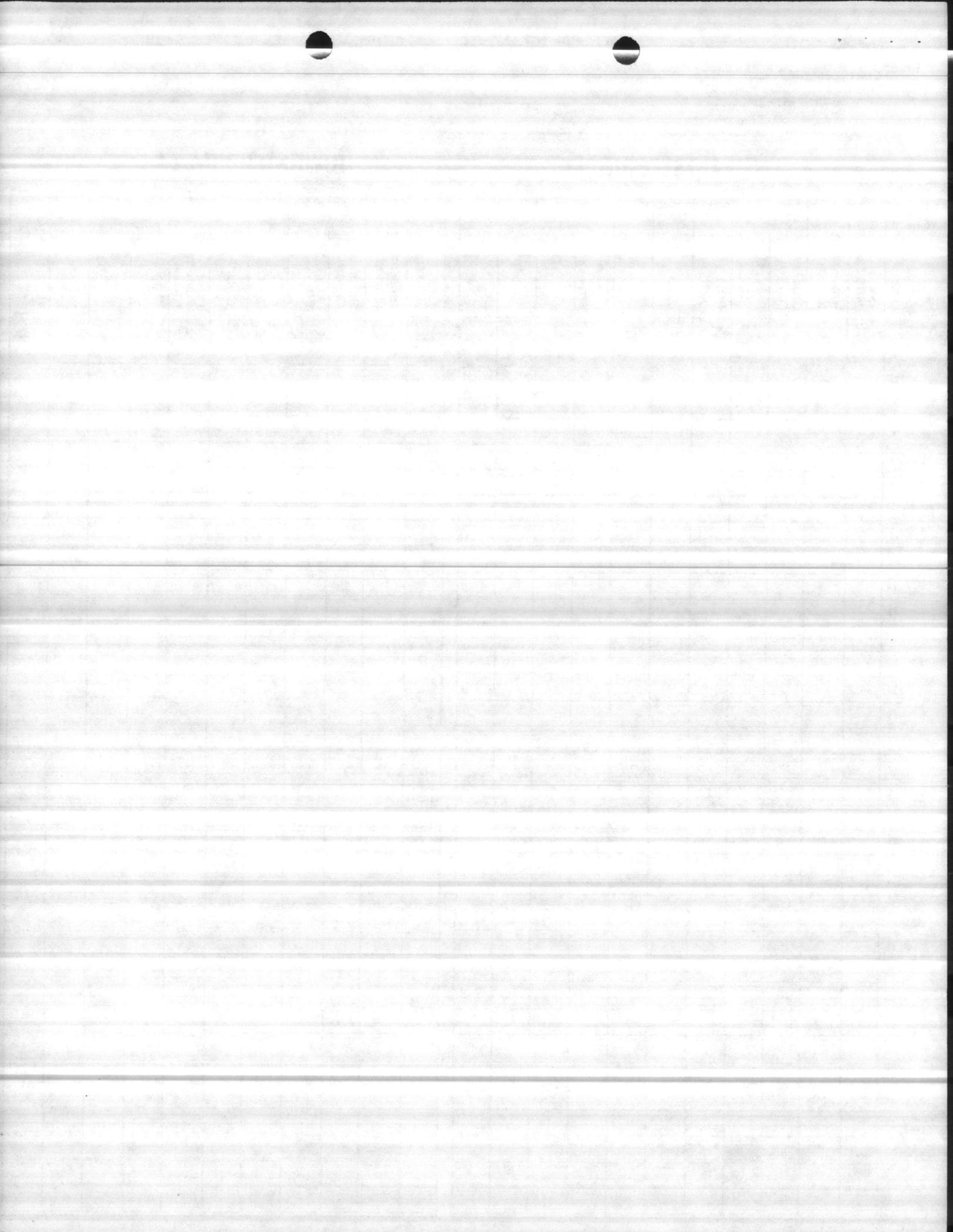
LOCATION: RW04 - Hospital Point LOCATION: RW05 - Marker 35

## Upstream

## Downstream

Date	Time 2400 Clock	Temperature (Celsius)	Dissolved Oxygen	PH	BOD5 20°C	COD	Fecal Coliform *Geometric Mean	00536		Enter Parameter Code above Name and Units Below					
								00010	00300	00400	00310	00340	31616	00536	
								HRS	°C	MG/L	STD UNITS	MG/L	MG/L	100 ml	MG/L
1															
2															
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															
16															
17	10	9	14.3	8.3	5.9		48	0.2							
18															
19															
20															
21															
22															
23															
24															
25															
26															
27															
28															
29															
30															
31															
Average	9	14.3	8.3	5.9		48	0.2								
Monthly Maximum	9	14.3	8.3	5.9		48	0.2								
Monthly Minimum	9	14.3	8.3	5.9		48	0.2								

Date	Time 2400 Clock	Temperature (Celsius)	Dissolved Oxygen	PH	BOD5 20°C	COD	Fecal Coliform *Geometric Mean	00536		Enter Parameter Code above Name and Units Below					
								00010	00300	00400	00310	00340	31616	00536	
								HRS	°C	MG/L	STD UNITS	MG/L	MG/L	100 ml	MG/L
1															
2															
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															
16															
17	10	10	12.3	8.2	3.8		16	1.4							
18															
19															
20															
21															
22															
23															
24															
25															
26															
27															
28															
29															
30															
31															
Average	10	12.3	8.2	3.8		16	1.4								
Monthly Maximum	10	12.3	8.2	3.8		16	1.4								
Monthly Minimum	10	12.3	8.3	3.8		16	1.4								



NPDES NO: NC0003239

CHARGE NO: 005

MONTH: December

YEAR: 1986  
Onslow

Rifle Range STP

FACILITY NAME:

COUNTY:

STREAM: New River

STREAM:

New River

LOCATION: RW05 - Marker #35

LOCATION: RW06 - Sneads Ferry Bridge

### Upstream

### Downstream

Date	0001		00300		0400		00310		00340		31616		00536	
	Time 2400 Clock	Temperature (Celsius)	Dissolved Oxygen	PH	BOD5 20°C	COD	Fecal Coliform *Geometric Mean	Enter Parameter Code above Name and Units Below						
								OIL	GREASE					
HRS	°C	MG/L	STD UNITS	MG/L	MG/L	100 ml	MG/L							
1														
2														
3														
4														
5														
6														
7														
8														
9														
10														
11														
12														
13														
14														
15														
16														
17	10	10	12.3	8.2	3.8		16	1.4						
18														
19														
20														
21														
22														
23														
24														
25														
26														
27														
28														
29														
30														
31														
Average	10	10	12.3	8.2	3.8		16	1.4						
Monthly Maximum	10	10	12.3	8.2	3.8		16	1.4						
Monthly Minimum	10	10	12.3	8.2	3.8		16	1.4						

Date	00010		00300		00400		00310		00340		31616		00536	
	Time 2400 Clock	Temperature (Celsius)	Dissolved Oxygen	PH	BOD5 20°C	COD	Fecal Coliform *Geometric Mean	Enter Parameter Code above Name and Units Below						
								OIL	GREASE					
HRS	°C	MG/L	STD UNITS	MG/L	MG/L	100 ml	MG/L							
1														
2														
3														
4														
5														
6														
7														
8														
9														
10														
11														
12														
13														
14														
15														
16														
17	10	11	9.9	8.1	2		0	1.1						
18														
19														
20														
21														
22														
23														
24														
25														
26														
27														
28														
29														
30														
31														
Average	11	9.9	9.9	8.1	2		0	1.1						
Monthly Maximum	11	9.9	9.9	8.1	2		0	1.1						
Monthly Minimum	11	9.9	9.9	8.1	2		0	1.1						



NPDES NO: NC0003239 DISCHARGE NO: 006 MONTH: December YEAR: 1986

FACILITY NAME: Courthouse Bay STP COUNTY: Onslow

STREAM: New River STREAM: New River

LOCATION: RW06 - Sneads Ferry Bridge LOCATION: RW07 - Mouth of Inlet

### Upstream

### Downstream

Date	Time 2400 Clock	00010	00300	00400	00310	00340	31616	00550		Enter Parameter Code above Name and Units Below	
		Temperature (Celsius)	Dissolved Oxygen	PH	BOD5 20°C	COD	Fecal Coliform + Geometric Mean	OIL	GREASE		
		°C	MG/L	STD UNITS	MG/L	MG/L	100 ml	MG/L	MG/L		
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											
17	10	11	9.9	8.1	2		0	1.1			
18											
19											
20											
21											
22											
23											
24											
25											
26											
27											
28											
29											
30											
31											
Average			9.9	8.1	2		0	1.1			
Monthly Maximum			9.9	8.1	2		0	1.1			
Monthly Minimum			9.9	8.1	2		0	1.1			

Date	Time 2400 Clock	00010	00300	00400	00310	00340	31616	00550		Enter Parameter Code above Name and Units Below	
		Temperature (Celsius)	Dissolved Oxygen	PH	BOD5 20°C	COD	Fecal Coliform + Geometric Mean	OIL	GREASE		
		°C	MG/L	STD UNITS	MG/L	MG/L	100 ml	MG/L	MG/L		
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											
26											
27											
28											
29											
30											
31											
Average			8.6	8.0	0.8		8	3.8			
Monthly Maximum			8.6	8.0	0.8		8	3.8			
Monthly Minimum			8.6	8.0	0.8		8	3.8			



NPDES NO: N0003239 CHARGE NO: 007 MONTH: December YEAR: 1986

FACILITY NAME: Onslow Beach STP COUNTY: Onslow

STREAM: Intracoastal Waterway STREAM: Intracoastal Waterway

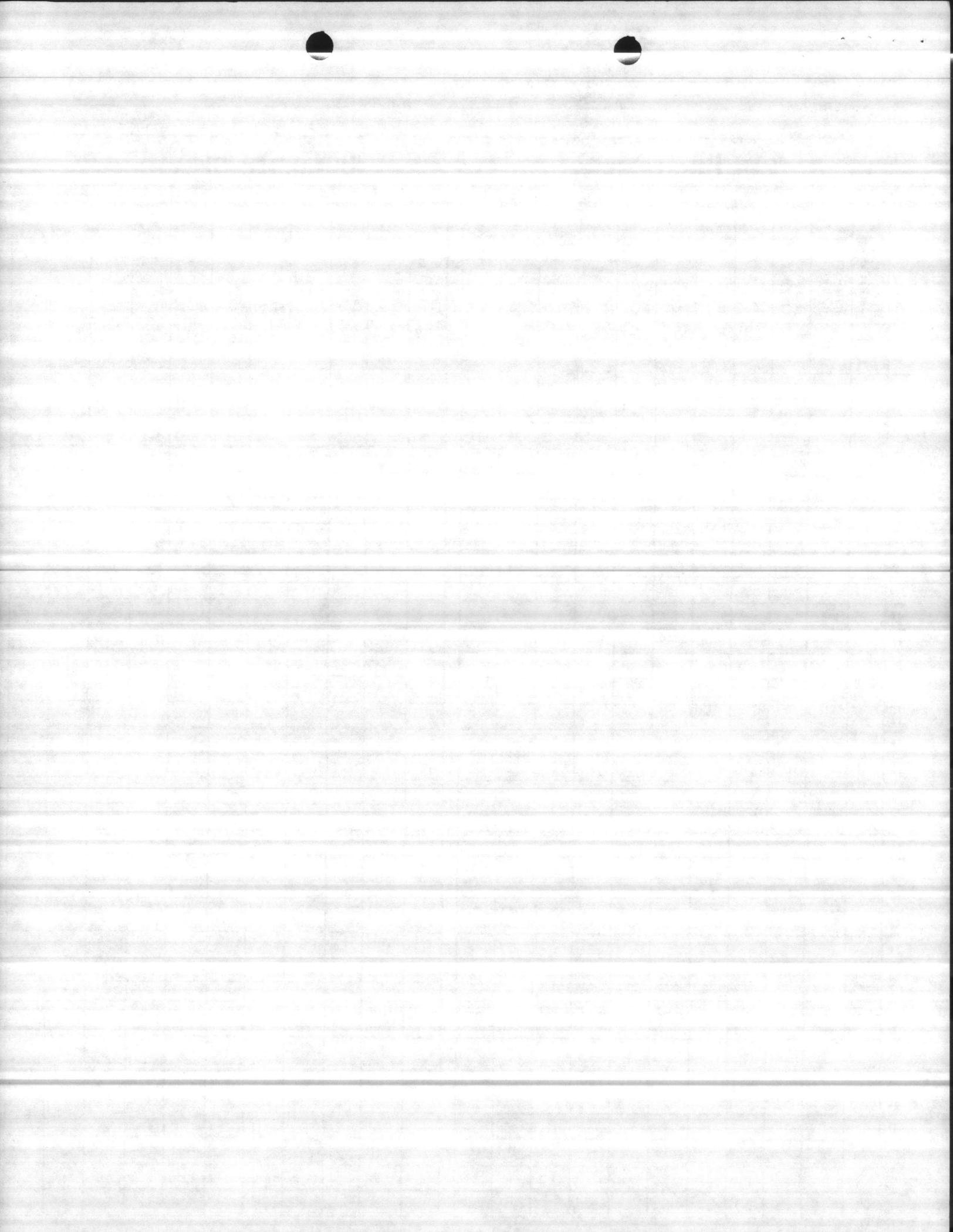
LOCATION: RW08 - East of Discharge 007 LOCATION: RW09 - West of Discharge 007

## Upstream

## Downstream

Date	Time 2400 Clock	Temperature (Celsius)	Dissolved Oxygen	PH	BOD5 20°C	COD	Fecal Coliform *Geometric Mean	Enter Parameter Code above Name and Units Below	
								OIL	GREASE
								HRS	°C
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17	11	12	8.7	8.0	0.8		0	2.1	
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
Average	12	8.7			0.8		0	2.1	
Monthly Maximum	12	8.7	8.0		0.8		0	2.1	
Monthly Minimum	12	8.7	8.0		0.8		0	2.1	

Date	Time 2400 Clock	Temperature (Celsius)	Dissolved Oxygen	PH	BOD5 20°C	COD	Fecal Coliform *Geometric Mean	Enter Parameter Code above Name and Units Below	
								OIL	GREASE
								HRS	°C
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17	11	12	9.1	8.0	1.3		4	3.5	
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
Average	12	9.1			1.3		4	3.5	
Monthly Maximum	12	9.1	8.0		1.3		4	3.5	
Monthly Minimum	12	9.1	8.0		1.3		4	3.5	



STORM DRAINS

NPDES NO: NCO003239

MONTH: December

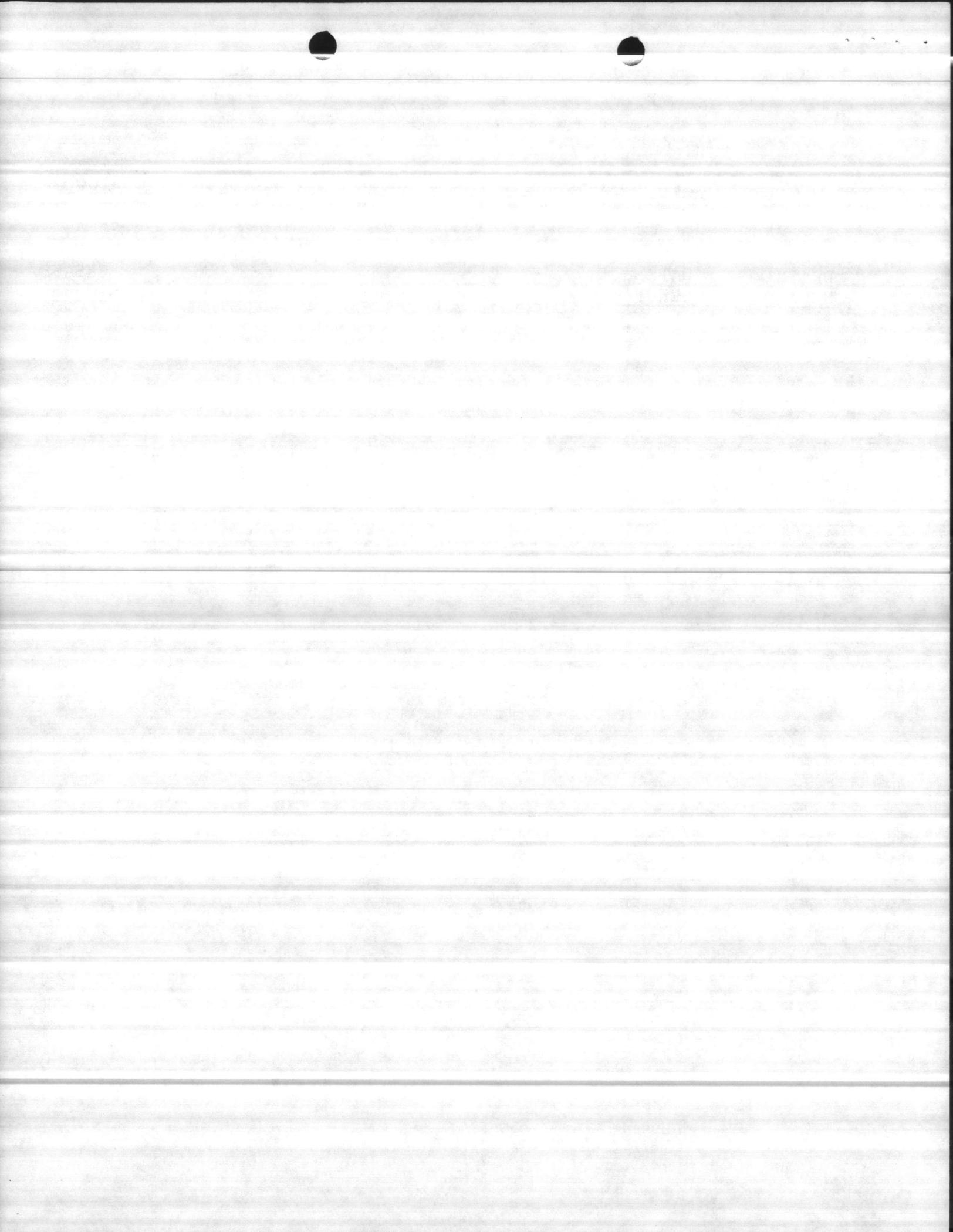
YEAR: 1986

LOCATION: Marine Corps Base, Camp Lejeune, NC

COUNTY: Onslow

<u>STORM DRAIN NUMBER</u>	<u>DATE COLLECTED</u>	<u>FLOW 50050</u>	<u>pH 00400</u>	<u>TOTAL SUSPENDED RESIDUE 00530</u>	<u>OIL &amp; GREASE 00556</u>
20	4 Dec	233,280	6.9	5	0.3
26	4 Dec	145,800	7.1	0	0.3
27	4 Dec	121,014	7.2	1	0
28	4 Dec	174,960	9.0	8	0
30	4 Dec	292,183	6.8	2	Lab Error
32	4 Dec	54,675,000	6.6	5	Lab Error
40	4 Dec	874,800	7.8	6	0
41	4Dec	1,749,600	7.9	0	0
67	4 Dec	1,166,400	7.3	15	7.9
68	4 DEc	388,411	7.2	1	0
69	4 Dec	583,200	6.7	61	1.6
81	4 Dec	6,998,400	6.8	5	1.5
82	4 Dec	10,497,600	6.9	10	1.2
83	4 Dec	1,458,000	7.4	0	0.7
84	4 Dec	145,800	7.1	10	25.9
86	4 Dec	Tidal	6.6	6	0.6
87	4 Dec	1,399,680	6.9	6	1.6
30	8 Dec	292,183	7.5	3	0
32	8 Dec	54,675,000	7.4	2	0.3
33	8 Dec	1,749,600	7.5	1	0
52	8 Dec	874,800	7.2	1	0
54	8 Dec	583,200	7.1	1	0
55	8 Dec	48,406	6.4	4	0.9
57	8 Dec	8,748,000	8.6	9	0.3
59	8 Dec	Tidal	7.7	13	0.8
74	8 Dec	97,394	7.5	2	2
90	8 Dec	874,800	6.7	1	0.2
42	15 Dec	874,800	7.3	186	0.2
43	15 Dec	9,710	7.3	18	7.3
44	15 Dec	1,749,600	7.1	1	0
45	15 Dec	874,800	7.4	2	0
46	15 Dec	291,308	7.4	3	0.5
47	15 Dec	291,600	7.4	1	0
48	15 Dec	4,665,600	7.5	9	0.4
49	15 Dec	20,995,200	7.4	268	18.6
61	15 Dec	6,998,400	7.2	27	0
63	15 Dec	2,332,800	6.9	5	Lab Error
64	15 Dec	4,665,600	7.0	1	Lab Error
65	15 Dec	4,841	7.5	8	Lab Error

<u>PARAMETER</u>	<u>UNITS</u>	<u>LIMITS</u>
Flow	GPD	None
pH	None	6-9
TSR	mg/l	50 mg/l
O&G	mg/l	15 mg/l



STORM DRAINS

NPDES NO: NC0003239 MONTH: December YEAR: 1986

LOCATION: Marine Corps Base, Camp Lejeune, NC COUNTY: Onslow

<u>STORM DRAIN NUMBER</u>	<u>DATE COLLECTED</u>	<u>FLOW</u> 50050	<u>pH</u> 00400	<u>TOTAL SUSPENDED RESIDUE</u> 00530	<u>OIL &amp; GREASE</u> 00556
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On 4 December, the following Storm Drains had no flow:

#SD22, SD24, SD25, SD31, SD85

On 4 December, the following Storm Drains were dry:

#SD21, SD23, SD39, SD66, SD88

On 4 December, the following Storm Drains were tidal: #SD86.

On 8 December, the following Storm Drains had no flow:

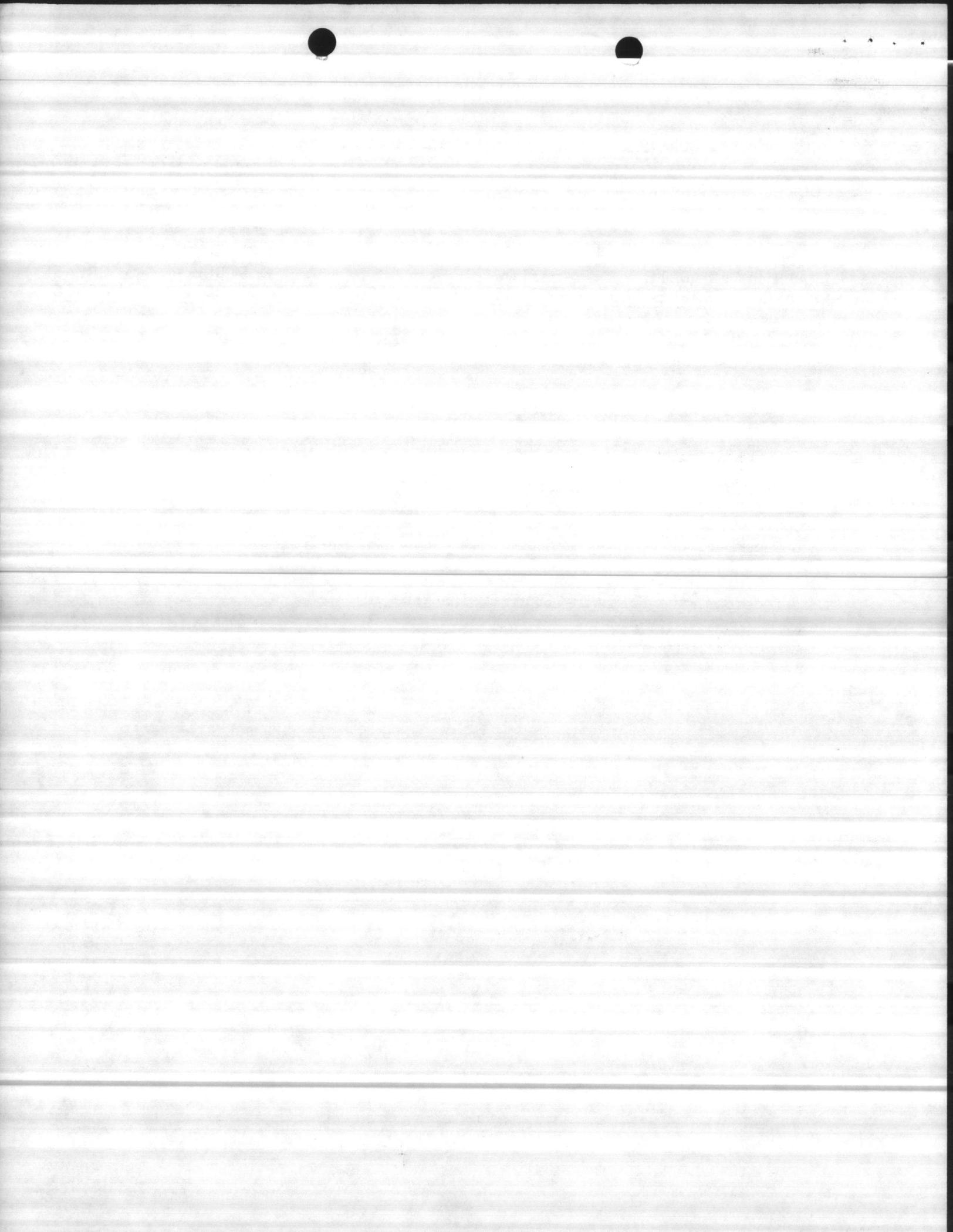
#SD56, SD58

On 8 December, the following Storm Drains were dry:

#SD 34, SD35, SD36, SD37, SD38, SD51, SD53, SD73, SD75, SD76, SD77, SD78, SD79, SD80, SD89

On 8 December, the following Storm Drains were tidal: #SD59

On 15 December, the following Storm Drains were dry: #SD60 and SD62





UNITED STATES MARINE CORPS  
MARINE CORPS BASE  
CAMP LEJEUNE, NORTH CAROLINA 28542-5001

IN REPLY REFER TO:

6288  
NREAD  
26 Feb 87

Mr. Paul Wilms, Director  
Division of Environmental Management  
NC Department of Natural Resources  
and Community Development  
Post Office Box 27687  
Raleigh, North Carolina 27611

Dear Sir:

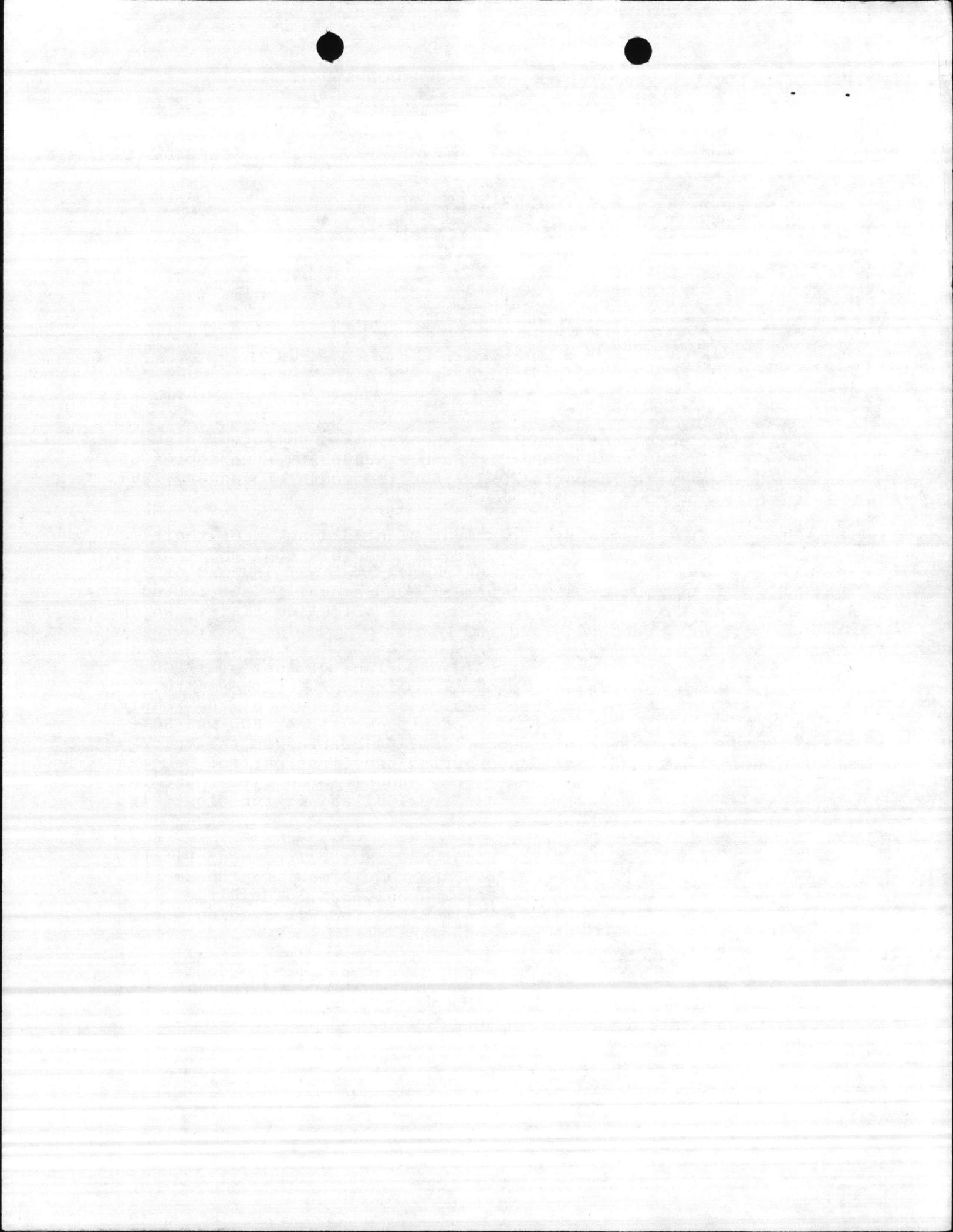
In accordance with requirements of the National Pollutant Discharge Elimination System (NPDES) Permit Number NC0003239, two copies of Discharge Monitoring Reports (DMRs) for the month of January 1987 are submitted.

The Hadnot Point Wastewater Treatment Plant did not meet their Biochemical Oxygen Demand (BOD) percent removal requirement for the month. The actual BOD percent removal was 83% instead of the required minimum of 85%. The 83% BOD removal is attributed to a malfunctioning bearing in one of the trickling filters which has subsequently been repaired.

The Tarawa Terrace Wastewater Treatment Plant did not meet BOD average effluent or percent removal requirement for the month. The actual BOD average effluent was 35 mg/L instead of the required maximum of 30 mg/L. The actual percent removal for BOD was 80% instead of the required minimum of 85%. A bearing in the trickling filter system malfunctioned during the first part of December 1986 which decreased plant efficiency and hindered filter growth. A new bearing was installed 20 January 1987 and filter growth is beginning to return to normal.

The Camp Johnson and the Rifle Range Wastewater Treatment Plants did not meet their BOD percent removal requirement for the month. Camp Johnson's BOD percent removal was only 82%. The Rifle Range's BOD percent removal was only 84%. The BOD loading was low in both plants causing reduced plant efficiency.

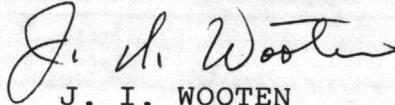
There is no river data for the month of January 1987 because the laboratory's boat was out of service due to repairs.



6288  
NREAD

Questions regarding this report should be forwarded to Ms. Elizabeth Betz, Supervisory Chemist, Natural Resources and Environmental Affairs Division, Assistant Chief of Staff, Facilities at (919) 451-5977.

Sincerely,



J. I. WOOTEN

Director, Natural Resources Division  
By direction of the Commanding General

Encls:

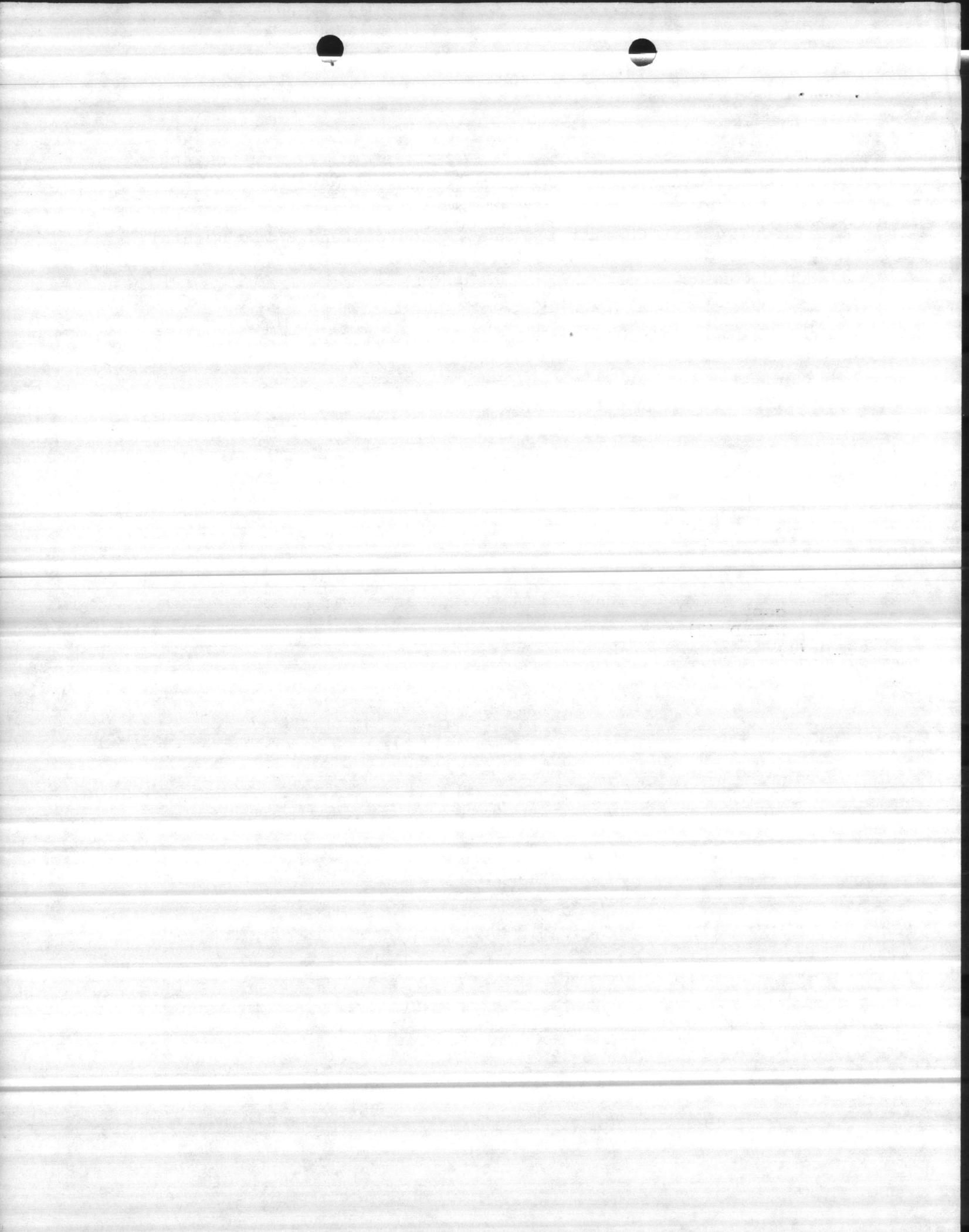
(1) DEM Forms MR-1, MR-2 & MR-3 (2 copies)

Copy to:

EPA Region IV  
CMDR LANTNAVFACENGCOM  
NEESA

Blind copy to:

ECML, NREAD (2)  
BMO (1)



# EFFLUENT

**NPDES PERMIT NO:** NC0003239    **DISCHARGE NO:** 014    **MONTH:** January    **YEAR:** 1987  
**FACILITY NAME:** Onslow Beach Water Treatment Pond    **CLASS:** NA    **COUNTY:** Onslow  
**OPERATOR IN RESPONSIBLE CHARGE (ORC):** Mack D. Davis    **GRADE:** IV  
**CERTIFIED LABORATORY:** Environmental Chemical and Microbiology Laboratory

CHECK BLOCK IF ORC HAS CHANGED

Mail original and one copy to:  
 ATT: Central Files  
 Division of Environmental Management  
 N C Department of NRCD  
 PO Box 27687  
 Raleigh, North Carolina 27611

**PERSON(s) COLLECTING SAMPLES:** STP Operators

I CERTIFY THAT THIS REPORT  
 IS ACCURATE AND COMPLETE TO  
 THE BEST OF MY KNOWLEDGE.

X   
 Signature of operator in responsible charge

DATE	TIME 2400 CLOCK	COMPOSITE TIME	50050	00010	00403	00545	50060	00310	00340	00610	00500	00530	31616	00300	ENTER PARAMETER CODE ABOVE NAME AND UNITS BELOW		
			FLOW EFF <input type="checkbox"/>	INF <input type="checkbox"/>	DAILY RATE	TEMPERATURE CELSIUS	pH	SETTLABLE MATTER	RESIDUAL CHLORINE	BOD5 20°C	COD	AMMONIA NITROGEN	TOTAL RESIDUE	TOTAL SUSPENDED RESIDUE	FECAL COLIFORM Geometric Mean	DISSOLVED OXYGEN	
			HRS MGD	C°	UNIT	ML/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	/100 ML	MG/L			
1																	
2																	
3																	
4																	
5																	
6	08	8			7.9							2.4					
7																	
8																	
9																	
10																	
11																	
12																	
13	08	8			8.0							0.3					
14																	
15																	
16																	
17																	
18																	
19																	
20	08	8			7.8							1.5					
21																	
22																	
23																	
24																	
25																	
26																	
27	08	8			7.7							2.9					
28																	
29																	
30																	
31																	
<b>Average</b>												1.8					
<b>Max.</b>					8.0							2.9					
<b>Min.</b>					7.7							0.3					
<b>Comp.(C)/ Grab(G)</b>					G							C					
<b>Monthly Limit</b>					6-9							30					

Facility Status: ( Please check one of the following)

All monthly averages and / or other limitation do meet permit monitoring requirements

( Compliant)

All monthly averages and / or other limitation do not meet permit monitoring requirements

( Noncompliant)

If the facility is noncompliant, please comment on corrective actions being taken in respect to equipment, operation, maintenance, etc. and a time table for improvements to be made.

( Attach additional sheets if necessary)

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I certify that this Report is accurate and complete to the best of my knowledge:

*Johari d. W. [Signature]*  
 Signature of Permittee

PARAMETER CODES

00010 Temperature	00556 Oil and Grease	00950 Dissolved Fluoride	01077 Silver	39516 PCBS
00065 Stream Stage	00600 Total Nitrogen	01002 Total Arsenic	01087 Total Vanadium	39941 Roundup
00076 Turbidity	00610 Ammonia Nitrogen	01027 Cadmium	01092 Zinc	50047 Max. flow during 24-hr. period
00300 Dissolved Oxygen	00625 Total Kjeldahl Nitrogen	01032 Hexavalent Chromium	01105 Total Aluminum	50048 Min. flow during 24-hr. period
00310 BOD <sub>5</sub>	00665 Total Phosphorous	01034 Chromium	01147 Total Selenium	50050 Flow
00340 COD	00720 Cyanide	01037 Total Cobalt	31504 Total Coliform	50060 Total Residual Chlorine
00400 pH	00745 Total Sulfide	01042 Copper	31614 Fecal Coliform, MPN, Tube	71880 Formaldehyde
00500 Total Solids	00927 Total Magnesium	01045 Total Iron	31616 Fecal Coliform	71900 Mercury
00530 TSS	00929 Total Sodium	01051 Lead	32730 Total Phenolics	81318 Ferrocyanides
00545 Settleable Solids	00940 Total Chloride	01067 Nickel	38260 MBAS	85652 Time

The monthly average for fecal coliform is to be reported as a geometric MEAN.

If using alternate units for reporting data, please designate.

# EFFLUENT

NPDES PERMIT NO: NC0003239 DISCHARGE NO: 007 MONTH: January YEAR: 1987  
 FACILITY NAME: Onslow Beach STP CLASS: II COUNTY: Onslow  
 OPERATOR IN RESPONSIBLE CHARGE (ORC): Mack D. Davis GRADE: IV  
 CERTIFIED LABORATORY: Environmental Chemical and Microbiology Laboratory

PERSON(S) COLLECTING SAMPLES: STP Operators

CHECK BLOCK IF ORC HAS CHANGED

Mail original and one copy to:  
 ATT: Central Files  
 Division of Environmental Management  
 N C Department of NRCD  
 PO Box 27687  
 Raleigh, North Carolina 27611

I CERTIFY THAT THIS REPORT  
 IS ACCURATE AND COMPLETE TO  
 THE BEST OF MY KNOWLEDGE.

X   
 Signature of operator in responsible charge

DATE	TIME 2400 CLOCK	COMPOSITE TIME	50050	00010	00409	00545	50060	00310	00340	00610	00500	00530	31616	00300	31504	ENTER PARAMETER CODE ABOVE NAME AND UNITS BELOW				
			FLOW	EFF <input type="checkbox"/>	INF <input checked="" type="checkbox"/>	TEMPERATURE CELSIUS	PH	SETTLABLE MATTER	RESIDUAL CHLORINE	BOD5 20°C	COD	AMMONIA NITROGEN	TOTAL RESIDUE	TOTAL SUSPENDED RESIDUE	FECAL COLIFORM Geometric Mean	DISSOLVED OXYGEN	TOTAL COLIFORM * GEOMETRIC MEAN			
			DAILY RATE	TEMPERATURE C°	UNIT													ML/L	MG/L	MG/L
			HRS	MGD																
1	08	8	.12404		7.0		5.0													
2	08	8	.12392		7.0		4.0													
3	08	8	.15758		7.0		5.0													
4	08	8	.10166		7.0		5.0													
5	08	8	.11269		7.0		5.0													
6	08	8	.10256		6.5		5.0	22				5				6				
7	08	8	.12538		6.5		4.0													
8	08	8	.08179		6.4		4.0	10				2				6				
9	08	8	.08037		6.8		4.0													
10	08	8	.09365		6.2		5.0													
11	08	8	.08974		6.2		4.0													
12	08	8	.08996		6.6		6.0													
13	08	8	.08392		6.5		4.0	10				5				0				
14	08	8	.08991		6.7		4.0													
15	08	8	.07138		6.6		4.0	14				9				2				
16	08	8	.09541		6.5		4.0													
17	08	8	.11906		6.6		4.0													
18	08	8	.10205		6.5		5.0													
19	08	8	.13514		6.5		6.0													
20	08	8	.15153		6.6		6.0													
21	08	8	.12243		6.5		6.0													
22	00	24	.15697		6.6		3.0	13				6				2				
23	00	24	.14218		6.8		4.0													
24	00	24	.12670		6.9		4.0													
25	00	24	.15962		6.9		6.0													
26	00	24	.15916		6.6		6.0													
27	00	24	.15944		6.7		4.0													
28	00	24	.10039		6.6		5.0													
29	00	24	.15903		6.6		6.0	13				3				4				
30	00	24	.13960		6.6		4.0													
31	00	24	.15333		6.9		4.0													
<b>Average</b>			.11972				4.7	14				5				2.88				
<b>Max.</b>			.15962		7.0		6.0	22				9				6				
<b>Min.</b>			.07138		6.2		3.0	10				2				0				
<b>Comp.(C)/Grab(G)</b>					G		G	C				C				G				
<b>Monthly Limit</b>					6-9			30				30				70				

Facility Status: ( Please check one of the following)

All monthly averages and / or other limitation do meet permit monitoring requirements

( Compliant)

All monthly averages and / or other limitation do not meet permit monitoring requirements

( Noncompliant)

If the facility is noncompliant, please comment on corrective actions being taken in respect to equipment, operation, maintenance, etc. and a time table for improvements to be made.

( Attach additional sheets if necessary)

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I certify that this Report is accurate and complete to the best of my knowledge:

*Johari d. W. [Signature]*  
 Signature of Permittee

PARAMETER CODES

00010 Temperature	00556 Oil and Grease	00950 Dissolved Fluoride	01077 Silver	39516 PCBS
00065 Stream Stage	00600 Total Nitrogen	01002 Total Arsenic	01087 Total Vanadium	39941 Roundup
00076 Turbidity	00610 Ammonia Nitrogen	01027 Cadmium	01092 Zinc	50047 Max. flow during 24-hr. period
00300 Dissolved Oxygen	00625 Total Kjeldahl Nitrogen	01032 Hexavalent Chromium	01105 Total Aluminum	50048 Min. flow during 24-hr. period
00310 BOD <sub>5</sub>	00665 Total Phosphorous	01034 Chromium	01147 Total Selenium	50050 Flow
00340 COD	00720 Cyanide	01037 Total Cobalt	31504 Total Coliform	50060 Total Residual Chlorine
00400 pH	00745 Total Sulfide	01042 Copper	31614 Fecal Coliform, MPN, Tube	71880 Formaldehyde
00500 Total Solids	00927 Total Magnesium	01045 Total Iron	31616 Fecal Coliform	71900 Mercury
00530 TSS	00929 Total Sodium	01051 Lead	32730 Total Phenolics	81318 Ferrocyanides
00545 Settleable Solids	00940 Total Chloride	01067 Nickel	38260 MBAS	85652 Time

The monthly average for fecal coliform is to be reported as a geometric MEAN.

If using alternate units for reporting data, please designate.

# EFFLUENT

NPDES PERMIT NO: NC0003239 DISCHARGE NO: 006 MONTH: January YEAR: 1987  
 FACILITY NAME: Courthouse Bay STP CLASS: II COUNTY: Onslow  
 OPERATOR IN RESPONSIBLE CHARGE (ORC): Mack D. Davis GRADE: IV  
 CERTIFIED LABORATORY: Environmental Chemical and Microbiology Laboratory

PERSON(s) COLLECTING SAMPLES: STP Operators

CHECK BLOCK IF ORC HAS CHANGED

Mail original and one copy to:  
 ATT: Central Files  
 Division of Environmental Management  
 NC Department of NRCD  
 PO Box 27687  
 Raleigh, North Carolina 27611

I CERTIFY THAT THIS REPORT  
 IS ACCURATE AND COMPLETE TO  
 THE BEST OF MY KNOWLEDGE.

X

Signature of operator in responsible charge

DATE	TIME 2400 CLOCK	COMPOSITE TIME	50050	00010	00409	00545	50060	00310	00340	00610	00500	00530	31616	00300	ENTER PARAMETER CODE ABOVE NAME AND UNITS BELOW			
			FLOW EFF <input checked="" type="checkbox"/>	INF <input type="checkbox"/>	TEMPERATURE CELSIUS	PH	SETTLABLE MATTER	RESIDUAL CHLORINE	BOD5 20°C	COD	AMMONIA NITROGEN	TOTAL RESIDUE	TOTAL SUSPENDED RESIDUE	FECAL COLIFORM Geometric Mean	DISSOLVED OXYGEN	TOTAL COLIFORM #	CASIMENE-TC	MUSAN
			DAILY RATE	MGD														
1	08	8	.8063		6.9		3.5											
2	08	8	.6906		6.8		4.0											
3	08	8	.5109		6.9		4.0											
4	08	8	.3512		6.6		4.0											
5	08	8	.4146		6.8		4.0											
6	08	8	.4513		6.8		5.0	12				10				16		
7	08	8	.5158		6.8		4.5											
8	08	8	.5269		6.9		2.5	14				7				20		
9	08	8	.5227		7.0		4.5											
10	08	8	.5111		6.8		5.0											
11	08	8	.5578		6.8		4.5											
12	08	8	.4410		7.1		4.5											
13	08	8	.5923		7.1		2.5	13				6				10		
14	08	8	.4714		7.0		3.0											
15	08	8	.5023		7.2		5.0	13				6				18		
16	08	8	.4901		6.8		4.0											
17	08	8	.5202		7.0		4.0											
18	08	8	.6943		7.0		4.0											
19	08	8	.6804		6.9		4.0											
20	00	24	.5297		6.8		4.5	9				5				34		
21	00	24	.7065		7.0		4.0											
22	00	24	1.0119		7.0		4.0											
23	00	24	.5521		6.9		4.0											
24	00	24	.5339		6.9		3.5											
25	00	24	.7534		6.9		3.5											
26	00	24	.4383		6.9		4.0											
27	00	24	.5341		7.1		0.5	16				7				30		
28	00	24	.4602		7.1		4.0											
29	00	24	.4527		7.1		4.0											
30	00	24	.3911		7.1		4.0											
31	00	24	.3247		7.1		4.0											
Average			.5464				3.8	13				7				19.7		
Max.			1.0119		7.2		5.0	14				10				34		
Min.			.3247		6.8		2.5	9				5				10		
Comp.(C)/ Grab(G)					G		G	C				C				G		
Monthly Limit					6-9			30				30				70		

Facility Status: ( Please check one of the following)

All monthly averages and / or other limitation do meet permit monitoring requirements  ( Compliant)

All monthly averages and / or other limitation do not meet permit monitoring requirements  ( Noncompliant)

If the facility is noncompliant, please comment on corrective actions being taken in respect to equipment, operation, maintenance, etc. and a time table for improvements to be made.

( Attach additional sheets if necessary)

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I certify that this Report is accurate and complete to the best of my knowledge:

*Johari d. W. [Signature]*  
 Signature of Permittee

PARAMETER CODES

00010 Temperature	00556 Oil and Grease	00950 Dissolved Fluoride	01077 Silver	39516 PCBS
00065 Stream Stage	00600 Total Nitrogen	01002 Total Arsenic	01087 Total Vanadium	39941 Roundup
00076 Turbidity	00610 Ammonia Nitrogen	01027 Cadmium	01092 Zinc	50047 Max. flow during 24-hr. period
00300 Dissolved Oxygen	00625 Total Kjeldahl Nitrogen	01032 Hexavalent Chromium	01105 Total Aluminum	50048 Min. flow during 24-hr. period
00310 BOD <sub>5</sub>	00665 Total Phosphorous	01034 Chromium	01147 Total Selenium	50050 Flow
00340 COD	00720 Cyanide	01037 Total Cobalt	31504 Total Coliform	50060 Total Residual Chlorine
00400 pH	00745 Total Sulfide	01042 Copper	31614 Fecal Coliform, MPN, Tube	71880 Formaldehyde
00500 Total Solids	00927 Total Magnesium	01045 Total Iron	31616 Fecal Coliform	71900 Mercury
00530 TSS	00929 Total Sodium	01051 Lead	32730 Total Phenolics	81318 Ferrocyanides
00545 Settleable Solids	00940 Total Chloride	01067 Nickel	38260 MBAS	85652 Time

The monthly average for fecal coliform is to be reported as a geometric MEAN.

If using alternate units for reporting data, please designate.

# EFFLUENT

NPDES PERMIT NO: NC0003239 DISCHARGE NO: 005 MONTH: January YEAR: 1987

FACILITY NAME: Rifle Range STP CLASS: II COUNTY: Onslow

OPERATOR IN RESPONSIBLE CHARGE (ORC): Mack D. Davis GRADE: IV

CERTIFIED LABORATORY: Environmental Chemical and Microbiology Laboratory

PERSON(S) COLLECTING SAMPLES: STP Operators

CHECK BLOCK IF ORC HAS CHANGED

Mail original and one copy to:  
 ATT: Central Files  
 Division of Environmental Management  
 NC Department of NRC  
 P O Box 27687  
 Raleigh, North Carolina 27611

I CERTIFY THAT THIS REPORT  
 IS ACCURATE AND COMPLETE TO  
 THE BEST OF MY KNOWLEDGE.

X   
 Signature of operator in responsible charge

DATE	TIME 2400 CLOCK	COMPOSITE TIME	50050	00010	00400	00545	50060	00310	00340	00610	00500	00530	31616	00300	31504	ENTER PARAMETER CODE ABOVE NAME AND UNITS BELOW		
			FLOW	TEMPERATURE CELSIUS	PH	SETTLABLE MATTER	RESIDUAL CHLORINE	BOD5 20 °C	COD	AMMONIA NITROGEN	TOTAL RESIDUE	TOTAL SUSPENDED RESIDUE	FECAL COLIFORM <small>Geometric Mean</small>	DISSOLVED OXYGEN	TOTAL COLIFORM <small>GEOMETRIC MEAN</small>			
			EFF <input checked="" type="checkbox"/>													INF <input type="checkbox"/>	DAILY RATE	HRS
1	08	8	.3004				5.0											
2	08	8	.2386				6.0											
3	08	8	.2640				6.0											
4	08	8	.2246				6.0											
5	08	8	.2374				6.0											
6	08	8	.2390				4.5	6				4				0		
7	08	8	.2156		7.0		4.0											
8	08	8	.2470				3.0	8				2				0		
9	08	8	.1808				4.0											
10	08	8	.2295				6.0											
11	08	8	.2217				4.0											
12	08	8	.1331				4.0											
13	08	8	.2308				3.0	8				2				0		
14	08	8	.1285		7.0		3.0											
15	08	8	.2157				4.0	8				3				0		
16	08	8	.2130				3.0											
17	08	8	.1889				5.0											
18	08	8	.3341				4.0											
19	08	8	.2348				5.0											
20	08	8	.2629				4.0											
21	00	24	.2727		6.8		5.0	7				4				0		
22	00	24	.3879				3.0											
23	00	24	.3215				4.0											
24	00	24	.3052				4.0											
25	00	24	.2930				4.0											
26	00	24	.3205				4.0											
27	00	24	.3179				4.0											
28	00	24	.2871		6.9		4.0	10				7				0		
29	00	24	.2662				4.0											
30	00	24	.2395				4.0											
31	00	24	.2545				4.0											
<b>Average</b>			.2518				4.3	8				4				0		
<b>Max.</b>			.3879		7.0		6.0	10				7				0		
<b>Min.</b>			.1285		6.8		3.0	6				2				0		
<b>Comp.(C)/Grab(G)</b>					G		G	C				C				G		
<b>Monthly Limit</b>					6-9			30				30				70		

Facility Status: ( Please check one of the following)

All monthly averages and / or other limitation do meet permit monitoring requirements

( Compliant)

All monthly averages and / or other limitation do not meet permit monitoring requirements

( Noncompliant)

If the facility is noncompliant, please comment on corrective actions being taken in respect to equipment, operation, maintenance, etc. and a time table for improvements to be made.

( Attach additional sheets if necessary)

SEE COVER LETTER

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I certify that this Report is accurate and complete to the best of my knowledge:

*Jubair J. Woods*

Signature of Permittee

PARAMETER CODES

00010	Temperature	00556	Oil and Grease	00950	Dissolved Fluoride	01077	Silver	39516	PCBS
00065	Stream Stage	00600	Total Nitrogen	01002	Total Arsenic	01087	Total Vanadium	39941	Roundup
00076	Turbidity	00610	Ammonia Nitrogen	01027	Cadmium	01092	Zinc	50047	Max. flow during 24-hr. period
00300	Dissolved Oxygen	00625	Total Kjeldahl Nitrogen	01032	Hexavalent Chromium	01105	Total Aluminum	50048	Min. flow during 24-hr. period
00310	BOD <sub>5</sub>	00665	Total Phosphorous	01034	Chromium	01147	Total Selenium	50050	Flow
00340	COD	00720	Cyanide	01037	Total Cobalt	31504	Total Coliform	50060	Total Residual Chlorine
00400	pH	00745	Total Sulfide	01042	Copper	31614	Fecal Coliform, MPN, Tube	71880	Formaldehyde
00500	Total Solids	00927	Total Magnesium	01045	Total Iron	31616	Fecal Coliform	71900	Mercury
00530	TSS	00929	Total Sodium	01051	Lead	32730	Total Phenolics	81318	Ferrocyanides
00545	Settleable Solids	00940	Total Chloride	01067	Nickel	38260	MBAS	85652	Time

The monthly average for fecal coliform is to be reported as a geometric MEAN.

If using alternate units for reporting data, please designate.

# EFFLUENT

**NPDES PERMIT NO:** NC0003239    **DISCHARGE NO:** 004    **MONTH:** January    **YEAR:** 1987  
**FACILITY NAME:** Hadnot Point STP    **CLASS:** IV    **COUNTY:** Onslow  
**OPERATOR IN RESPONSIBLE CHARGE (ORC):** Mack D. Davis    **GRADE:** IV  
**CERTIFIED LABORATORY:** Environmental Chemical and Microbiology Laboratory

**PERSON(S) COLLECTING SAMPLES:** STP Operators

CHECK BLOCK IF ORC HAS CHANGED

Mail original and one copy to:  
 ATT: Central Files  
 Division of Environmental Management  
 NC Department of NRCDC  
 PO Box 27687  
 Raleigh, North Carolina 27611

I CERTIFY THAT THIS REPORT  
 IS ACCURATE AND COMPLETE TO  
 THE BEST OF MY KNOWLEDGE.

X   
 Signature of operator in responsible charge

DATE	TIME 2400 CLOCK	COMPOSITE TIME	50050	00010	00409	00545	50060	00310	00340	00610	00500	00530	31616	00300	31524	ENTER PARAMETER CODE ABOVE NAME AND UNITS BELOW		
			FLOW	TEMPERATURE CELSIUS	PH	SETTLABLE MATTER	RESIDUAL CHLORINE	BOD5 20°C	COD	AMMONIA NITROGEN	TOTAL RESIDUE	TOTAL SUSPENDED RESIDUE	FECAL COLIFORM Geometric Mean	DISSOLVED OXYGEN	TOTAL COLIFORM * 1000 METERS CUBIC			
			EFF <input checked="" type="checkbox"/>															
HRS	MCD	C°	UNIT	ML/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	/100 ML	MG/L	/100 ML			
1	00	24	5.245		6.8		4.0	18				8			30			
2	00	24	5.895		6.9		4.0	19				7			6			
3	00	24	5.129		6.9		4.0											
4	00	24	5.360		6.9		4.0											
5	00	24	5.371		6.9		4.0	17				9			6			
6	00	24	5.464		7.0		4.0	17				7			6			
7	00	24	5.917		7.0		4.0	16				5			10			
8	00	24	5.848		7.0		4.0	16				2			2			
9	00	24	5.785		6.9		4.0	24				6			0			
10	00	24	5.434		7.0		4.0											
11	00	24	5.632		6.8		3.0											
12	00	24	5.958		7.0		3.0	19				9			10			
13	00	24	5.812		7.0		4.0	19				6			6			
14	00	24	5.764		6.9		3.0	17				6			6			
15	00	24	5.895		6.7		4.0	22				6			30			
16	00	24	5.722		6.8		4.0	25				7			20			
17	00	24	5.474		6.8		4.0											
18	00	24	5.817		6.8		3.0											
19	00	24	6.138		6.8		4.0	22				13			4			
20	00	24	6.291		6.8		4.0	21				14			50			
21	00	24	6.723		6.9		4.0	20				9			14			
22	00	24	7.950		6.8		4.0	19				7			26			
23	00	24	7.297		6.9		4.0	25				15			10			
24	00	24	6.561		6.9		4.0											
25	00	24	6.828		6.8		4.0											
26	00	24	7.213		6.9		4.0	17				11			0			
27	00	24	6.514		6.9		4.0	31				13			2			
28	00	24	6.509		7.0		4.0	22				11			6			
29	00	24	6.437		7.0		4.0	22				5			0			
30	00	24	5.751		6.9		4.0	36				8			6			
31	00	24	5.549		6.9		4.5											
<b>Average</b>			6.041				3.9	21				8			6.70			
<b>Max.</b>			7.950		7.0		4.5	36				15			50			
<b>Min.</b>			5.129		6.8		3.0	16				2			0			
<b>Comp.(C)/Grab(G)</b>					G		G	C				C			G			
<b>Monthly Limit</b>					6-9			30				30			70			

Facility Status: ( Please check one of the following)

All monthly averages and / or other limitation do meet permit monitoring requirements

( Compliant)

All monthly averages and / or other limitation do not meet permit monitoring requirements

( Noncompliant)

If the facility is noncompliant, please comment on corrective actions being taken in respect to equipment, operation, maintenance, etc. and a time table for improvements to be made.

( Attach additional sheets if necessary)

SEE COVER LETTER

I certify that this Report is accurate and complete to the best of my knowledge:

*Juhair A. Woot*  
Signature of Permittee

PARAMETER CODES

00010	Temperature	00556	Oil and Grease	00950	Dissolved Fluoride	01077	Silver	39516	PCBS
00065	Stream Stage	00600	Total Nitrogen	01002	Total Arsenic	01087	Total Vanadium	39941	Roundup
00076	Turbidity	00610	Ammonia Nitrogen	01027	Cadmium	01092	Zinc	50047	Max. flow during 24-hr. period
00300	Dissolved Oxygen	00625	Total Kjeldahl Nitrogen	01032	Hexavalent Chromium	01105	Total Aluminum	50048	Min. flow during 24-hr. period
00310	BOD <sub>5</sub>	00665	Total Phosphorous	01034	Chromium	01147	Total Selenium	50050	Flow
00340	COD	00720	Cyanide	01037	Total Cobalt	31504	Total Coliform	50060	Total Residual Chlorine
00400	pH	00745	Total Sulfide	01042	Copper	31614	Fecal Coliform, MPN, Tube	71880	Formaldehyde
00500	Total Solids	00927	Total Magnesium	01045	Total Iron	31616	Fecal Coliform	71900	Mercury
00530	TSS	00929	Total Sodium	01051	Lead	32730	Total Phenolics	81318	Ferrocyanides
00545	Settleable Solids	00940	Total Chloride	01067	Nickel	38260	MBAS	85652	Time

The monthly average for fecal coliform is to be reported as a geometric MEAN.

If using alternate units for reporting data, please designate.

# EFFLUENT

NPDES PERMIT NO: NC0003239 DISCHARGE NO: 003 MONTH: January YEAR: 1987

FACILITY NAME: Montford Point (Camp Johnson) STP CLASS: II COUNTY: Onslow

OPERATOR IN RESPONSIBLE CHARGE (ORC): Mack D. Davis GRADE: IV

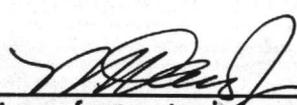
CERTIFIED LABORATORY: Environmental Chemical and Microbiology Laboratory

CHECK BLOCK IF ORC HAS CHANGED

Mail original and one copy to:  
 ATT: Central Files  
 Division of Environmental Management  
 NC Department of NRCDC  
 PO Box 27687  
 Raleigh, North Carolina 27611

PERSON(S) COLLECTING SAMPLES: STP Operators

I CERTIFY THAT THIS REPORT  
 IS ACCURATE AND COMPLETE TO  
 THE BEST OF MY KNOWLEDGE.

X   
 Signature of operator in responsible charge

DATE	TIME 2400 CLOCK	COMPOSITE TIME	50050	00010	00403	00545	50060	00310	00340	00610	00500	00530	316%	00300	ENTER PARAMETER CODE ABOVE NAME AND UNITS BELOW		
			FLOW EFF <input type="checkbox"/> INF <input type="checkbox"/>	TEMPERATURE CELSIUS	pH	SETTLABLE MATTER	RESIDUAL CHLORINE	BOD5 20°C	COD	AMMONIA NITROGEN	TOTAL RESIDUE	TOTAL SUSPENDED RESIDUE	FECAL COLIFORM Geometric Mean	DISSOLVED OXYGEN			
		HRS	MGD	C°	UNIT	ML/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	/100 ML	MG/L			
1	08	8	.332		6.6		4.5	10				17	0				
2	08	8	.326		6.6		3.0										
3	08	8	.324		6.6		4.0										
4	08	8	.381		6.6		6.0										
5	08	8	0.34		6.7		4.0										
6	08	8	.345		6.9		6.0	16				6	4				
7	08	8	.365		7.1		4.0										
8	08	8	.356		7.1		5.0	15				6	0				
9	08	8	.325		6.9		4.0										
10	08	8	.342		7.0		3.0										
11	08	8	.331		6.9		4.0										
12	08	8	.327		7.1		4.0										
13	08	8	.341		7.1		4.0	18				6	0				
14	08	8	.339		7.0		5.0										
15	08	8	.347		6.9		6.0	15				6	0				
16	08	8	.344		7.1		4.0										
17	08	8	.326		6.9		4.0										
18	08	8	.326		7.0		4.0										
19	00	24	.344		7.0		1.5	15				9	0				
20	00	24	.348		7.2		0.0										
21	00	24	.341				4.0										
22	00	24	.333				2.0										
23	00	24	.345		7.3		2.5	18				10	4				
24	00	24	.337				4.0										
25	00	24	.336				5.0										
26	00	24	0.34		7.0		4.0	17				10	6				
27	00	24	.337				5.0										
28	00	24	.343				3.0										
29	00	24	.341				4.0										
30	00	24	.339		6.7		4.0	27				8					
31	00	24	.337				5.0										
Average			.3402				4.0	17				9	1.77				
Max.			.3815		7.3		6.0	27				17	6				
Min.			.3241		6.6		1.5	10				6	0				
Comp.(C)/Grab(G)					G		G	C				C	G				
Monthly Limit					6-9			30				30	200				

Facility Status: ( Please check one of the following)

All monthly averages and / or other limitation do meet permit monitoring requirements

( Compliant)

All monthly averages and / or other limitation do not meet permit monitoring requirements

( Noncompliant)

If the facility is noncompliant, please comment on corrective actions being taken in respect to equipment, operation, maintenance, etc. and a time table for improvements to be made.

( Attach additional sheets if necessary)

SEE COVER LETTER

I certify that this Report is accurate and complete to the best of my knowledge:

*Jubair J. Woots*

Signature of Permittee

PARAMETER CODES

00010 Temperature	00556 Oil and Grease	00950 Dissolved Fluoride	01077 Silver	39516 PCBS
00065 Stream Stage	00600 Total Nitrogen	01002 Total Arsenic	01087 Total Vanadium	39941 Roundup
00076 Turbidity	00610 Ammonia Nitrogen	01027 Cadmium	01092 Zinc	50047 Max. flow during 24-hr. period
00300 Dissolved Oxygen	00625 Total Kjeldahl Nitrogen	01032 Hexavalent Chromium	01105 Total Aluminum	50048 Min. flow during 24-hr. period
00310 BOD <sub>5</sub>	00665 Total Phosphorous	01034 Chromium	01147 Total Selenium	50050 Flow
00340 COD	00720 Cyanide	01037 Total Cobalt	31504 Total Coliform	50060 Total Residual Chlorine
00400 pH	00745 Total Sulfide	01042 Copper	31614 Fecal Coliform, MPN, Tube	71880 Formaldehyde
00500 Total Solids	00927 Total Magnesium	01045 Total Iron	31616 Fecal Coliform	71900 Mercury
00530 TSS	00929 Total Sodium	01051 Lead	32730 Total Phenolics	81318 Ferrocyanides
00545 Settleable Solids	00940 Total Chloride	01067 Nickel	38260 MBAS	85652 Time

The monthly average for fecal coliform is to be reported as a geometric MEAN.

If using alternate units for reporting data, please designate.

# EFFLUENT

NPDES PERMIT NO: NC0003239 DISCHARGE NO: 002 MONTH: January YEAR: 1987

FACILITY NAME: Tarawa Terrace STP CLASS: III COUNTY: Onslow

OPERATOR IN RESPONSIBLE CHARGE (ORC): Mack D. Davis GRADE: IV

CERTIFIED LABORATORY: Environmental Chemical and Microbiology Laboratory

PERSON(S) COLLECTING SAMPLES: STP Operators

CHECK BLOCK IF ORC HAS CHANGED

Mail original and one copy to:  
ATT: Central Files  
Division of Environmental Management  
NC Department of NRC  
PO Box 27687  
Raleigh, North Carolina 27611

I CERTIFY THAT THIS REPORT  
IS ACCURATE AND COMPLETE TO  
THE BEST OF MY KNOWLEDGE.

X



Signature of operator in responsible charge

DATE	TIME 2400 CLOCK	COMPOSITE TIME	50050	00010	00400	00545	50060	00310	00340	00610	00500	00530	31635	00300	ENTER PARAMETER CODE ABOVE NAME AND UNITS BELOW		
			FLOW EFF <input checked="" type="checkbox"/>	TEMPERATURE CELSIUS	PH	SETTLABLE MATTER	RESIDUAL CHLORINE	BOD5 20°C	COD	AMMONIA NITROGEN	TOTAL RESIDUE	TOTAL SUSPENDED RESIDUE	FECAL COLIFORM Geometric Mean	DISSOLVED OXYGEN			
			INF <input type="checkbox"/>												DAILY RATE	MG/L	MG/L
1	00	24	1.3079		6.9		4.0	39				33	2				
2	00	24	.9482		6.9		4.0	41				25	0				
3	00	24	.7720		6.7		4.0										
4	00	24	.7841		6.5		4.0										
5	00	24	.8621		6.6		4.0	38				18	0				
6	00	24	.7645		6.5		4.0	35				22	0				
7	00	24	.6877		6.6		4.0	45				29	0				
8	00	24	.7544		6.6		4.0	31				13	0				
9	00	24	.6117		6.5		4.0	38				13	0				
10	00	24	.8346		6.6		4.0										
11	00	24	.7441		6.6		4.0										
12	00	24	.7541		6.6		4.0	38				22	0				
13	00	24	.7200		6.5		4.0	32				11	2				
14	00	24	.6707		6.6		4.0	28				12	0				
15	00	24	.7246		6.5		4.0	27				11	2				
16	00	24	.8348		6.5		4.5	40				8	0				
17	00	24	.8239		6.5		4.5										
18	00	24	.9210		6.7		4.5										
19	00	24	1.0262		6.7		4.5	25				11	16				
20	00	24	.7545		6.9		4.0	56				27	0				
21	00	24	.7297		6.6		4.0	62				24	4				
22	00	24	1.3283		6.6		2.0	41				11	2				
23	00	24	1.1078		6.4		4.0	36				16	0				
24	00	24	.7492		6.5		4.0										
25	00	24	.8546		6.5		4.0										
26	00	24	.9378		6.5		2.5	30				14	0				
27	00	24	.7092		6.6		4.0	29				8	4				
28	00	24	.5742		6.6		4.0	25				8	6				
29	00	24	.6492		6.6		4.0	19				5	2				
30	00	24	.7507		6.6		4.0	25				5	0				
31	00	24	.7217		6.7		4.0										
<b>Average</b>			.8197				3.9	35				16	1.63*				
<b>Max.</b>			1.3283		6.9		4.5	56				33	16				
<b>Min.</b>			.5742		6.4		2.0	19				5	0				
<b>Comp.(C)/Grab(G)</b>					G		G	C				C	G				
<b>Monthly Limit</b>					6-9			30				30	200				

Facility Status: ( Please check one of the following)

All monthly averages and / or other limitation do meet permit monitoring requirements

( Compliant)

All monthly averages and / or other limitation do not meet permit monitoring requirements

( Noncompliant)

If the facility is noncompliant, please comment on corrective actions being taken in respect to equipment, operation, maintenance, etc. and a time table for improvements to be made.

( Attach additional sheets if necessary)

SEE COVER LETTER

I certify that this Report is accurate and complete to the best of my knowledge:

*Johann J. Wooten*  
Signature of Permittee

PARAMETER CODES

00010	Temperature	00556	Oil and Grease	00950	Dissolved Fluoride	01077	Silver	39516	PCBS
00065	Stream Stage	00600	Total Nitrogen	01002	Total Arsenic	01087	Total Vanadium	39941	Roundup
00076	Turbidity	00610	Ammonia Nitrogen	01027	Cadmium	01092	Zinc	50047	Max. flow during 24-hr. period
00300	Dissolved Oxygen	00625	Total Kjeldahl Nitrogen	01032	Hexavalent Chromium	01105	Total Aluminum	50048	Min. flow during 24-hr. period
00310	BOD <sub>5</sub>	00665	Total Phosphorous	01034	Chromium	01147	Total Selenium	50050	Flow
00340	COD	00720	Cyanide	01037	Total Cobalt	31504	Total Coliform	50060	Total Residual Chlorine
00400	pH	00745	Total Sulfide	01042	Copper	31614	Fecal Coliform, MPN, Tube	71880	Formaldehyde
00500	Total Solids	00927	Total Magnesium	01045	Total Iron	31616	Fecal Coliform	71900	Mercury
00530	TSS	00929	Total Sodium	01051	Lead	32730	Total Phenolics	81318	Ferrocyanides
00545	Settleable Solids	00940	Total Chloride	01067	Nickel	38260	MBAS	85652	Time

The monthly average for fecal coliform is to be reported as a geometric MEAN.

If using alternate units for reporting data, please designate.

# EFFLUENT

**NPDES PERMIT NO:** NC0003239    **DISCHARGE NO:** 001    **MONTH:** January    **YEAR:** 1987  
**FACILITY NAME:** Camp Geiger STP    **CLASS:** III    **COUNTY:** Onslow  
**OPERATOR IN RESPONSIBLE CHARGE (ORC):** Mack D. Davis    **GRADE:** IV  
**CERTIFIED LABORATORY:** Environmental Chemical and Microbiology Laboratory

**PERSON(S) COLLECTING SAMPLES:** STP Operators

CHECK BLOCK IF ORC HAS CHANGED

Mail original and one copy to:

ATT: Central Files  
 Division of Environmental Management  
 NC Department of NRCD  
 PO Box 27687  
 Raleigh, North Carolina 27611

I CERTIFY THAT THIS REPORT

IS ACCURATE AND COMPLETE TO

THE BEST OF MY KNOWLEDGE.

X

Signature of operator in responsible charge

DATE	TIME 2400 CLOCK	COMPOSITE TIME	50050	00010	00400	00545	50060	00310	00340	00610	00500	00530	31616	00300	ENTER PARAMETER CODE ABOVE NAME AND UNITS BELOW		
			FLOW EFF <input type="checkbox"/>	TEMPERATURE CELSIUS	pH	SETTLABLE MATTER	RESIDUAL CHLORINE	BOD <sub>5</sub> 20°C	COD	AMMONIA NITROGEN	TOTAL RESIDUE	TOTAL SUSPENDED RESIDUE	FECAL COLIFORM Geometric Mean	DISSOLVED OXYGEN			
			DAILY RATE												MGD	C°	UNIT
1	00	24	1.8068		6.8		4.0	7					13	2			
2	00	24	1.6738		6.6		4.0	13					12	0			
3	00	24	1.5036		6.9		4.0										
4	00	24	1.2956		6.6		4.0										
5	00	24	1.3210		6.6		4.0	5					9	0			
6	00	24	1.3821		6.6		4.0	5					4	0			
7	00	24	1.4074		7.0		4.0	10					5	0			
8	00	24	1.6172		7.0		4.0	11					4	2			
9	00	24	1.3946		7.0		4.0	11					13	0			
10	00	24	1.2528		7.1		4.0										
11	00	24	1.2779		7.0		4.0										
12	00	24	1.2644		6.8		4.0	9					8	2			
13	00	24	1.1919		6.6		4.0	12					4	0			
14	00	24	1.1967		6.6		4.0	7					5	0			
15	00	24	1.1849		6.6		4.0	5					4	0			
16	00	24	1.1178		6.6		4.0	15					8	2			
17	00	24	1.2952		7.2		4.0										
18	00	24	1.5492		7.0		4.0										
19	00	24	1.6587		7.0		4.0	5					4	0			
20	00	24	1.4782		7.0		4.0	13					15	2			
21	00	24	1.3302		7.4		4.0	9					7	0			
22	00	24	1.4250		7.2		4.0	21					15	2			
23	00	24	1.8783		7.2		4.0	8					13	0			
24	00	24	1.5538		7.2		4.0										
25	00	24	1.5988		7.4		4.0										
26	00	24	1.8203		5.6		4.0	6					4	0			
27	00	24	1.4562		7.0		4.0	23					10	0			
28	00	24	1.4324		7.0		3.0	13					10	0			
29	00	24	1.3601		5.8		4.0	7					2	2			
30	00	24	1.3889		5.8		4.0	13					4	10			
31	00	24	1.2552		7.0		4.0										
<b>Average</b>			1.4313				7.8	10					8	1.38			
<b>Max.</b>			1.8783		7.4		4.0	21					15	10			
<b>Min.</b>			1.1178		5.6		3.0	5					2	0			
<b>Comp.(C)/Grab(G)</b>					G		G	C					C	G			
<b>Monthly Limit</b>					6-9			30					30	200			

Facility Status: ( Please check one of the following)

All monthly averages and / or other limitation do meet permit monitoring requirements

( Compliant)

All monthly averages and / or other limitation do not meet permit monitoring requirements

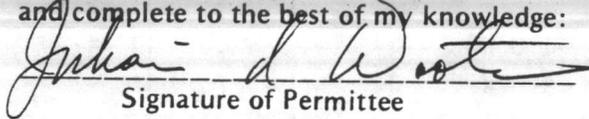
( Noncompliant)

If the facility is noncompliant, please comment on corrective actions being taken in respect to equipment, operation, maintenance, etc. and a time table for improvements to be made.

( Attach additional sheets if necessary)

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I certify that this Report is accurate and complete to the best of my knowledge:

  
 Signature of Permittee

PARAMETER CODES

00010 Temperature	00556 Oil and Grease	00950 Dissolved Fluoride	01077 Silver	39516 PCBs
00065 Stream Stage	00600 Total Nitrogen	01002 Total Arsenic	01087 Total Vanadium	39941 Roundup
00076 Turbidity	00610 Ammonia Nitrogen	01027 Cadmium	01092 Zinc	50047 Max. flow during 24-hr. period
00300 Dissolved Oxygen	00625 Total Kjeldahl Nitrogen	01032 Hexavalent Chromium	01105 Total Aluminum	50048 Min. flow during 24-hr. period
00310 BOD <sub>5</sub>	00665 Total Phosphorous	01034 Chromium	01147 Total Selenium	50050 Flow
00340 COD	00720 Cyanide	01037 Total Cobalt	31504 Total Coliform	50060 Total Residual Chlorine
00400 pH	00745 Total Sulfide	01042 Copper	31614 Fecal Coliform, MPN, Tube	71880 Formaldehyde
00500 Total Solids	00927 Total Magnesium	01045 Total Iron	31616 Fecal Coliform	71900 Mercury
00530 TSS	00929 Total Sodium	01051 Lead	32730 Total Phenolics	81318 Ferrocyanides
00545 Settleable Solids	00940 Total Chloride	01067 Nickel	38260 MBAS	85652 Time

The monthly average for fecal coliform is to be reported as a geometric MEAN.

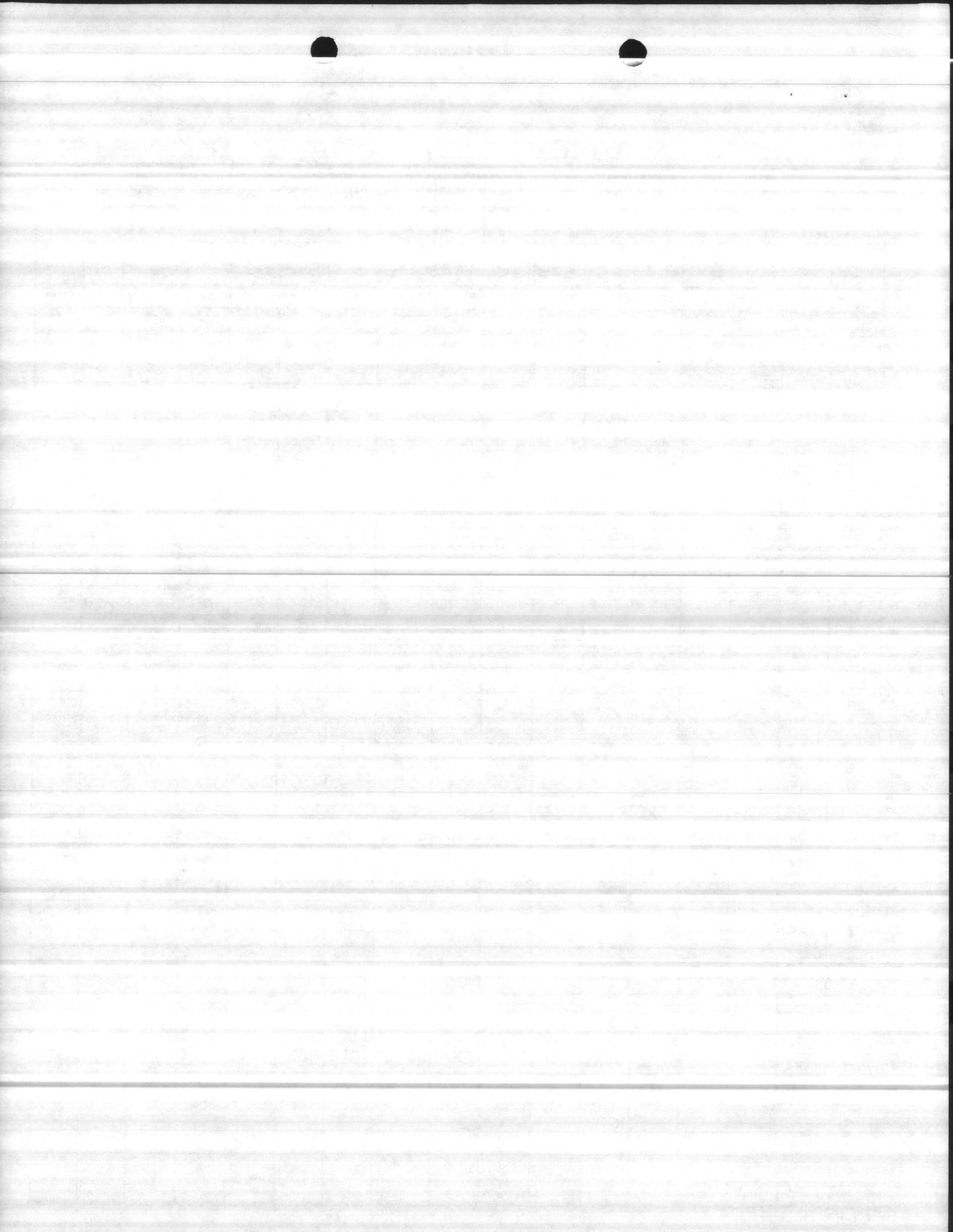
If using alternate units for reporting data, please designate.

# Influent

NPDES NO: NC0003239 DISCHARGE NO: 001 MONTH: January YEAR: 1987

FACILITY NAME: Camp Geiger STP COUNTY: Onslow

			00400	00010	00545	00310	00610	00500	00530	00340	ENTER PARAMETER CODE ABOVE & NAME AND UNITS BELOW					
Date	Time	Composite Time	PH	Temperature (Celsius)	Settleable Matter	BOD <sub>5</sub> 20 °C	Ammonia Nitrogen	Total Residue	Total Suspended Residue	COD						
		HRS	STD UNITS	°C	MI/L	MG/L	MG/L	MG/L	MG/L	MG/L						
1	00	24				88			80							
2	00	24				84			43							
3																
4																
5	00	24				128			60							
6	00	24				124			62							
7	00	24				140			88							
8	00	24				140			66							
9	00	24				124			80							
10																
11																
12	00	24				144			106							
13	00	24				112			90							
14	00	24				116			88							
15	00	24				124			93							
16	00	24				192			72							
17																
18																
19	00	24				68			58							
20	00	24				88			44							
21	00	24				92			40							
22	00	24				72			54							
23	00	24				68			40							
24																
25																
26	00	24				92			108							
27	00	24				80			26							
28	00	24				108			66							
29	00	24				104			120							
30	00	24				112			74							
31																
AVERAGE						109			71							
MONTHLY MAXIMUM						192			120							
MONTHLY MINIMUM						68			2							
SAMPLE TYPE C or G						C			C							

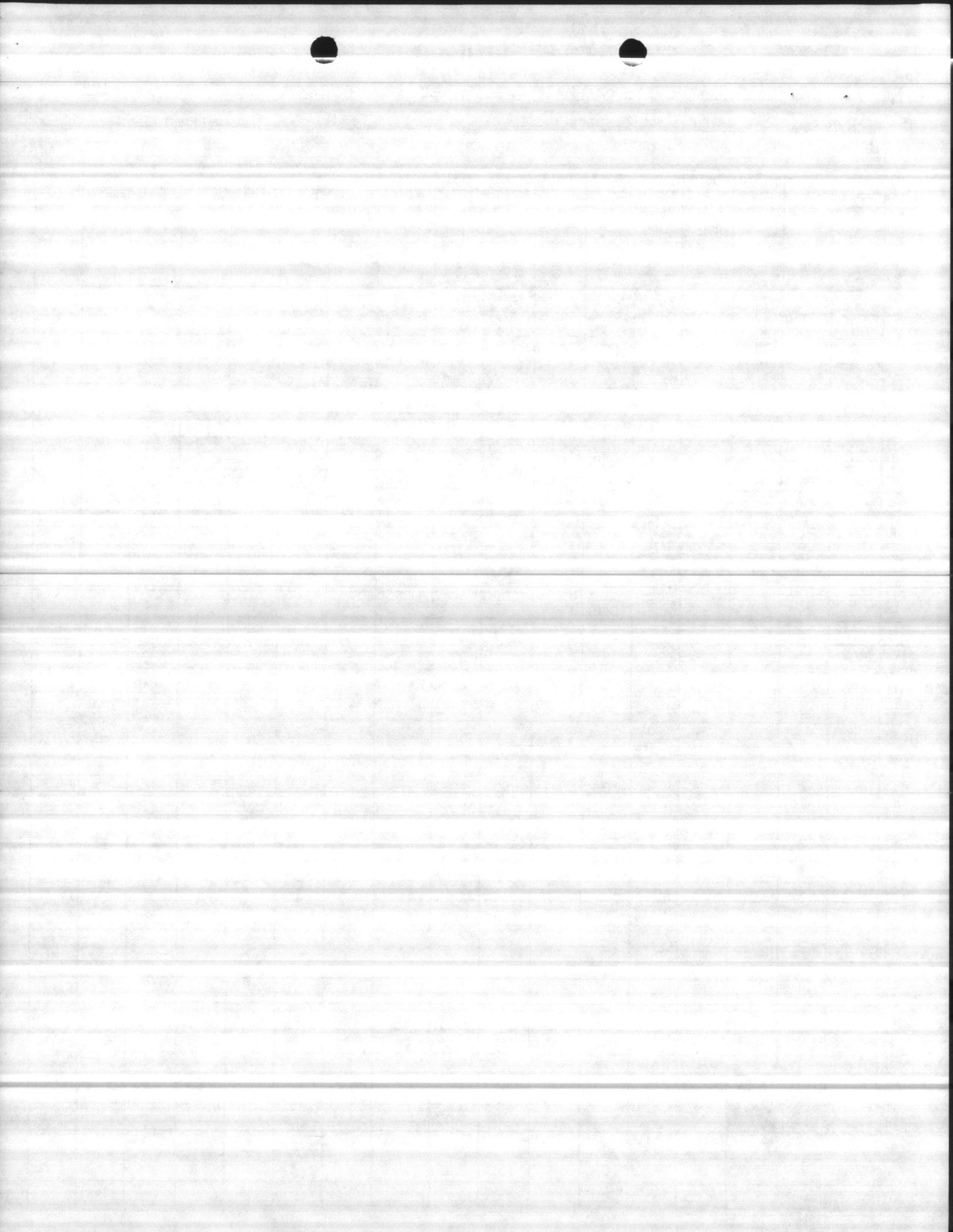


# Influent

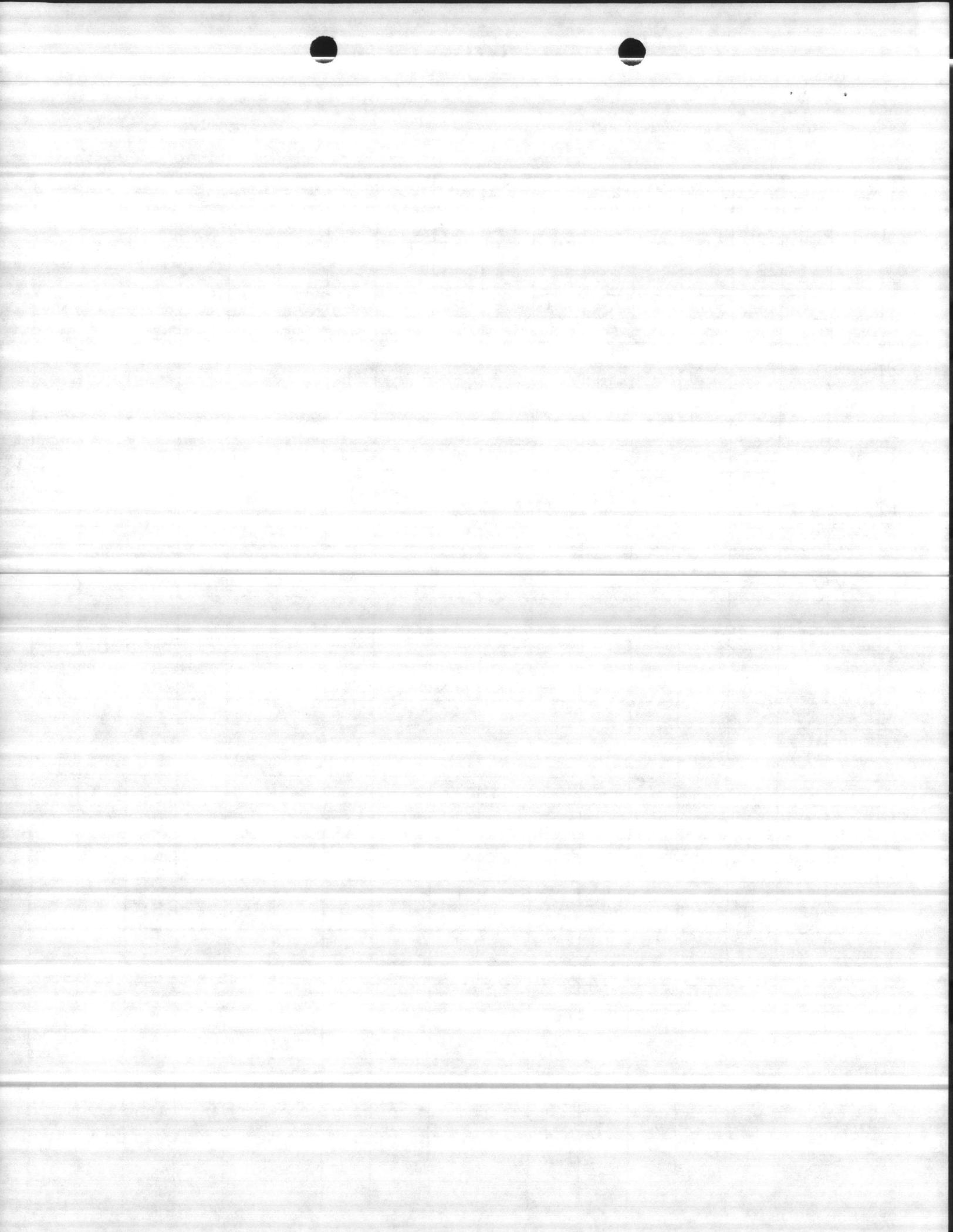
NPDES NO: NC0003239      DISCHARGE NO: 002      MONTH: January      YEAR: 1987

FACILITY NAME: Tarawa Terrace STP      COUNTY: Onslow

			00400	00010	00545	00310	00610	00500	00530	00340	ENTER PARAMETER CODE ABOVE & NAME AND UNITS BELOW				
Date	Time	Composite Time	PH	Temperature (Celsius)	Settleable Matter	BOD <sub>5</sub> 20 °C	Ammonia Nitrogen	Total Residue	Total Suspended Residue	COD					
		HRS	STD UNITS	°C	MI/L	MG/L	MG/L	MG/L	MG/L	MG/L					
1	00	24				192			126						
2	00	24				132			258						
3															
4															
5	00	24				136			182						
6	00	24				136			290						
7	00	24				200			102						
8	00	24				160			60						
9	00	24				192			90						
10															
11															
12	00	24				148			152						
13	00	24				140			573						
14	00	24				200			173						
15	00	24				188			116						
16	00	24				340			305						
17															
18															
19	00	24				108			125						
20	00	24				204			145						
21	00	24				196			104						
22	00	24				116			230						
23	00	24				168			115						
24															
25															
26	00	24				116			183						
27	00	24				156			106						
28	00	24				175			194						
29	00	24				192			204						
30	00	24				212			240						
31															
AVERAGE						173			185						
MONTHLY MAXIMUM						340			573						
MONTHLY MINIMUM						108			60						
SAMPLE TYPE C or G						C			C						





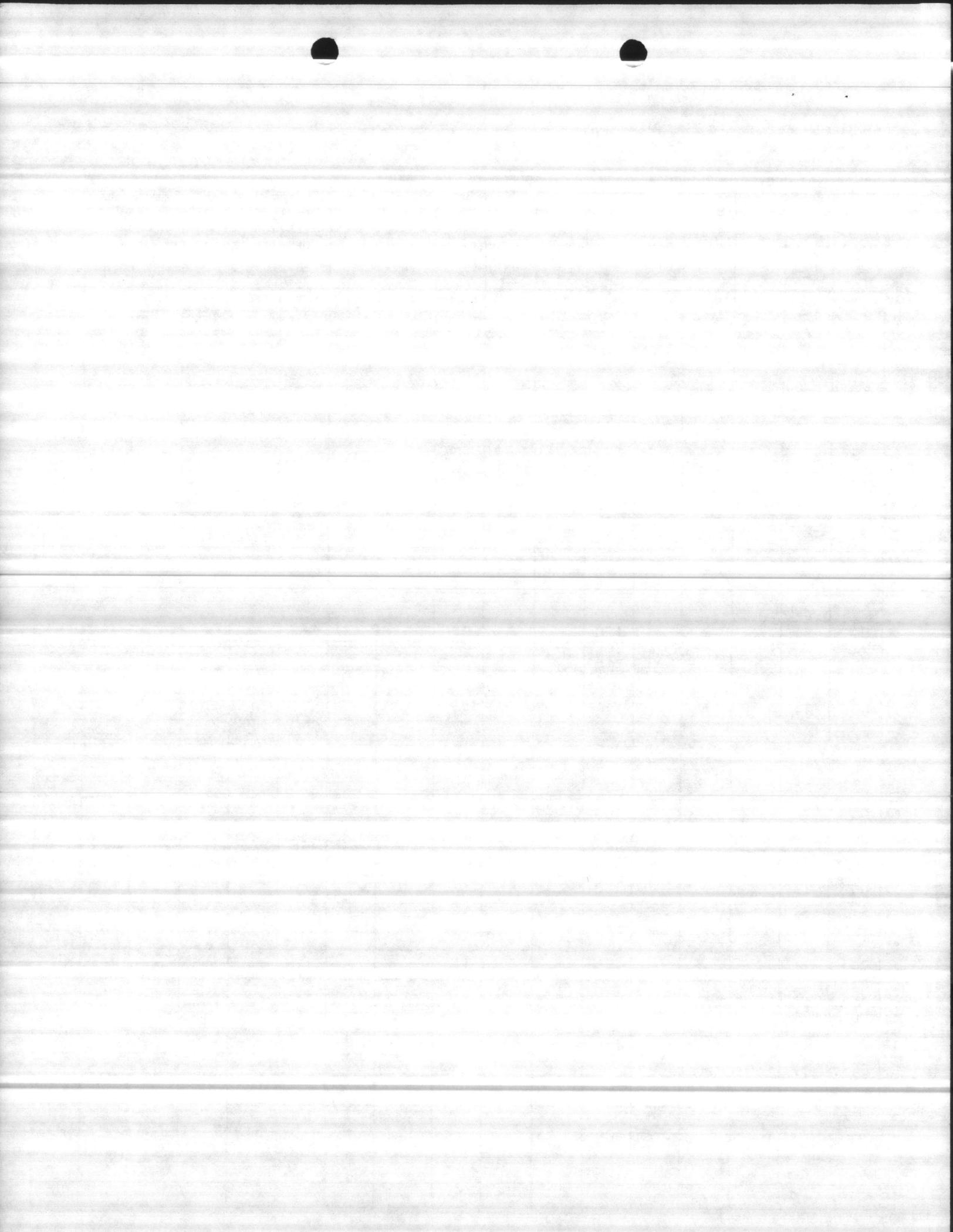


# Influent

NRDES NO: NC0003239 DISCHARGE NO: 004 MONTH: January YEAR: 1987

FACILITY NAME: Hadnot Point STP COUNTY: Onslow

		00400	00010	00545	00310	00610	00500	00530	00340	ENTER PARAMETER CODE ABOVE & NAME AND UNITS BELOW										
Date	Time	Composite Time	PH	Temperature (Celsius)	Settleable Matter	BOD <sub>5</sub> 20 °C	Ammonia Nitrogen	Total Residue	Total Suspended Residue	COD										
	HRS										STD UNITS	°C	MI/L	MG/L	MG/L	MG/L	MG/L	MG/L		
1	00	24				100			94											
2	00	24				108			65											
3																				
4																				
5	00	24				132			88											
6	00	24				108			120											
7	00	24				140			90											
8	00	24				120			90											
9	00	24				148			116											
10																				
11																				
12	00	24				108			76											
13	00	24				120			94											
14	00	24				112			85											
15	00	24				136			84											
16	00	24				128			74											
17																				
18																				
19	00	24				72			58											
20	00	24				108			116											
21	00	24				124			108											
22	00	24				120			80											
23	00	24				108			128											
24																				
25																				
26	00	24				140			140											
27	00	24				120			92											
28	00	24				168			132											
29	00	24				164			90											
30	00	24				108			80											
31																				
AVERAGE						122			95											
MONTHLY MAXIMUM						168			140											
MONTHLY MINIMUM						72			58											
SAMPLE TYPE C or G						C			C											

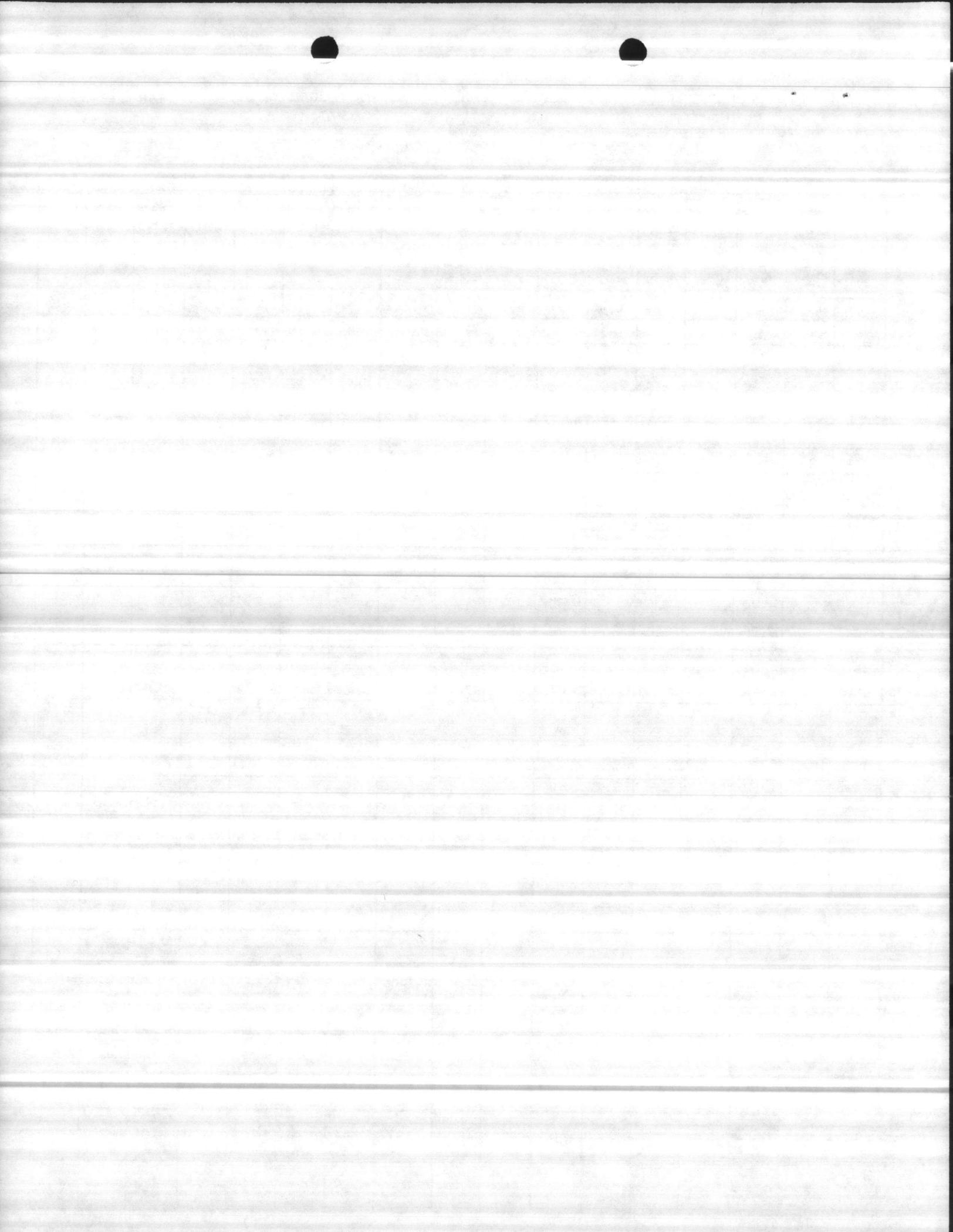


# Influent

NPDES NO: NC0003239 DISCHARGE NO: 005 MONTH: January YEAR: 1987

FACILITY NAME: Rifle Range STP COUNTY: Onslow

Date	Time	Composite Time	00400	00010	00545	00310	00610	00500	00530	00340	ENTER PARAMETER CODE ABOVE & NAME AND UNITS BELOW					
			PH	Temperature (Celsius)	Settleable Matter	BOD <sub>5</sub> 20 °C	Ammonia Nitrogen	Total Residue	Total Suspended Residue	COD						
			STD UNITS	°C	ML/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L					
1																
2																
3																
4																
5																
6	08	8				40			16							
7																
8	08	8				36			7							
9																
10																
11																
12																
13	08	8				32			10							
14																
15	08	8				56			28							
16																
17																
18																
19																
20																
21	08	8				56			23							
22																
23																
24																
25																
26																
27																
28	08	8				80			162							
29																
30																
31																
AVERAGE						50			41							
MONTHLY MAXIMUM						80			162							
MONTHLY MINIMUM						32			7							
SAMPLE TYPE C or G						C			C							

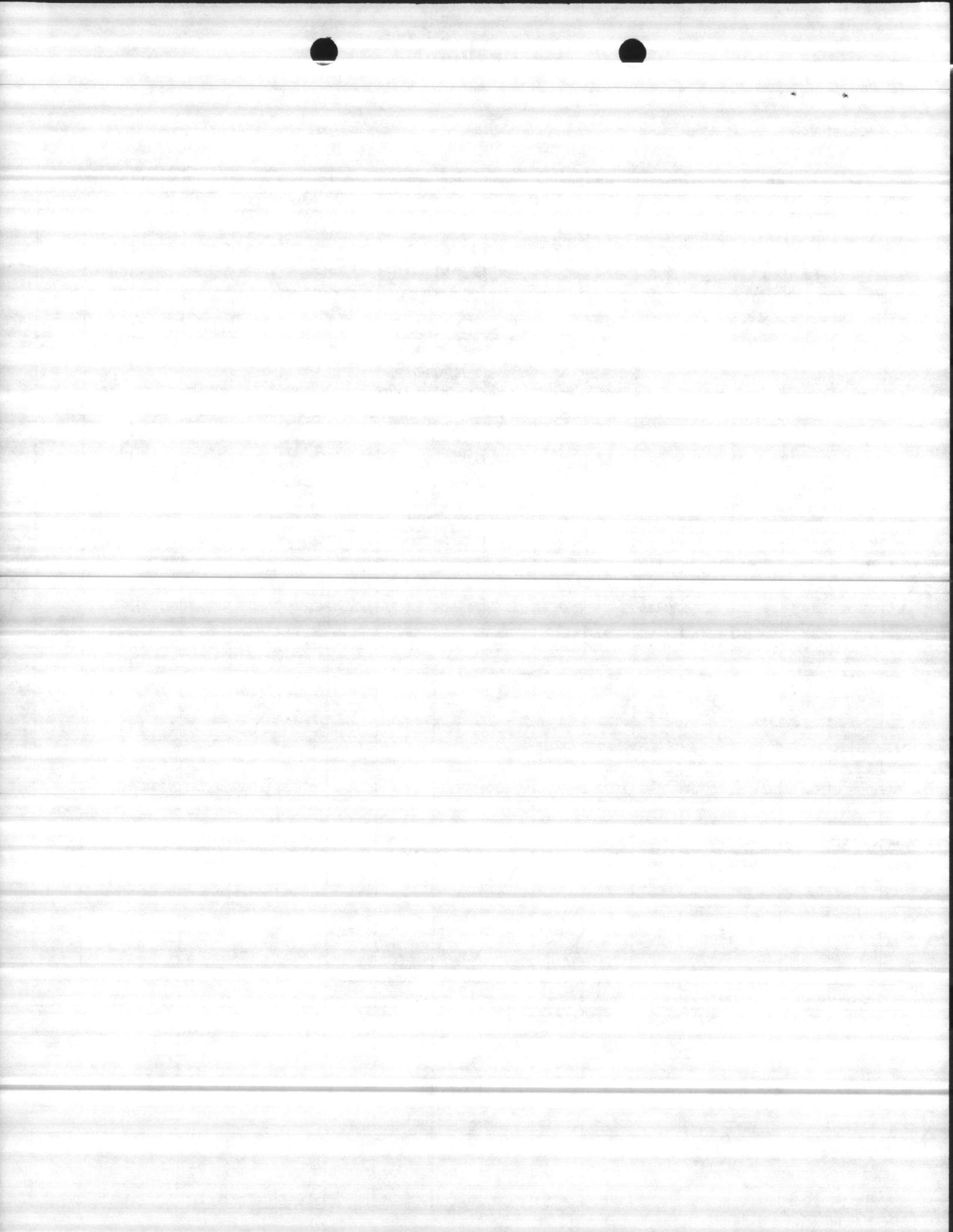


# Influent

NPDES NO: NC0003239    DISCHARGE NO: 006    MONTH: January    YEAR: 1987

FACILITY NAME: Courthouse Bay STP    COUNTY: Onslow

		00400	00010	00545	00310	00610	00500	00530	00340	ENTER PARAMETER CODE ABOVE & NAME AND UNITS BELOW					
Date	Time	Composite Time	PH	Temperature (Celsius)	Settleable Matter	BOD <sub>5</sub> 20 °C	Ammonia Nitrogen	Total Residue	Total Suspended Residue	COD					
		HRS	STD UNITS	°C	MI/L	MG/L	MG/L	MG/L	MG/L	MG/L					
1															
2															
3															
4															
5															
6	08	8				216			195						
7															
8	08	8				32			110						
9															
10															
11															
12															
13	08	8				124			98						
14															
15	08	8				80			48						
16															
17															
18															
19															
20	08	8				208			220						
21															
22															
23															
24															
25															
26															
27	08	8				148			156						
28															
29															
30															
31															
AVERAGE						135			138						
MONTHLY MAXIMUM						216			220						
MONTHLY MINIMUM						32			48						
SAMPLE TYPE C or G						C			C						

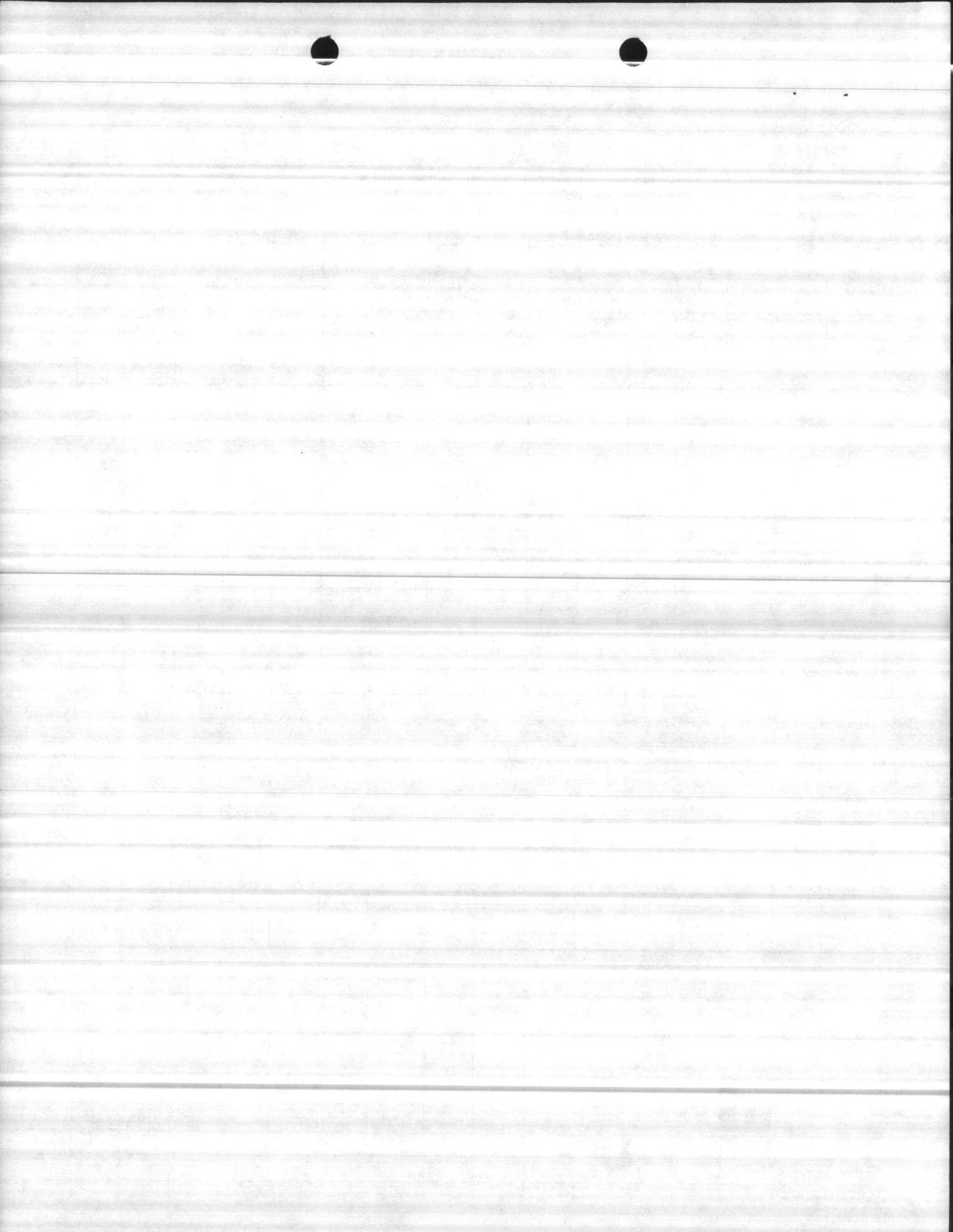


# Influent

NPDES NO: NC0003239      DISCHARGE NO: 007      MONTH: January      YEAR: 1987

FACILITY NAME: Onslow Beach STP      COUNTY: Onslow

		00400	00010	00545	00310	00610	00500	00530	00340	ENTER PARAMETER CODE ABOVE & NAME AND UNITS BELOW										
Date	Time	Composite Time	PH	Temperature (Celsius)	Settleable Matter	BOD <sub>5</sub> 20 °C	Ammonia Nitrogen	Total Residue	Total Suspended Residue	COD										
	HRS	STD UNITS	°C	MI/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L										
1																				
2																				
3																				
4																				
5																				
6	08	8				164			36											
7																				
8	08	8				152			92											
9																				
10																				
11																				
12																				
13	08	8				84			68											
14																				
15	08	8				156			64											
16																				
17																				
18																				
19																				
20																				
21																				
22	08	8				40			46											
23																				
24																				
25																				
26																				
27																				
28																				
29	08	8				124			120											
30																				
31																				
AVERAGE						120			71											
MONTHLY MAXIMUM						164			120											
MONTHLY MINIMUM						40			36											
SAMPLE TYPE C or G						C			C											



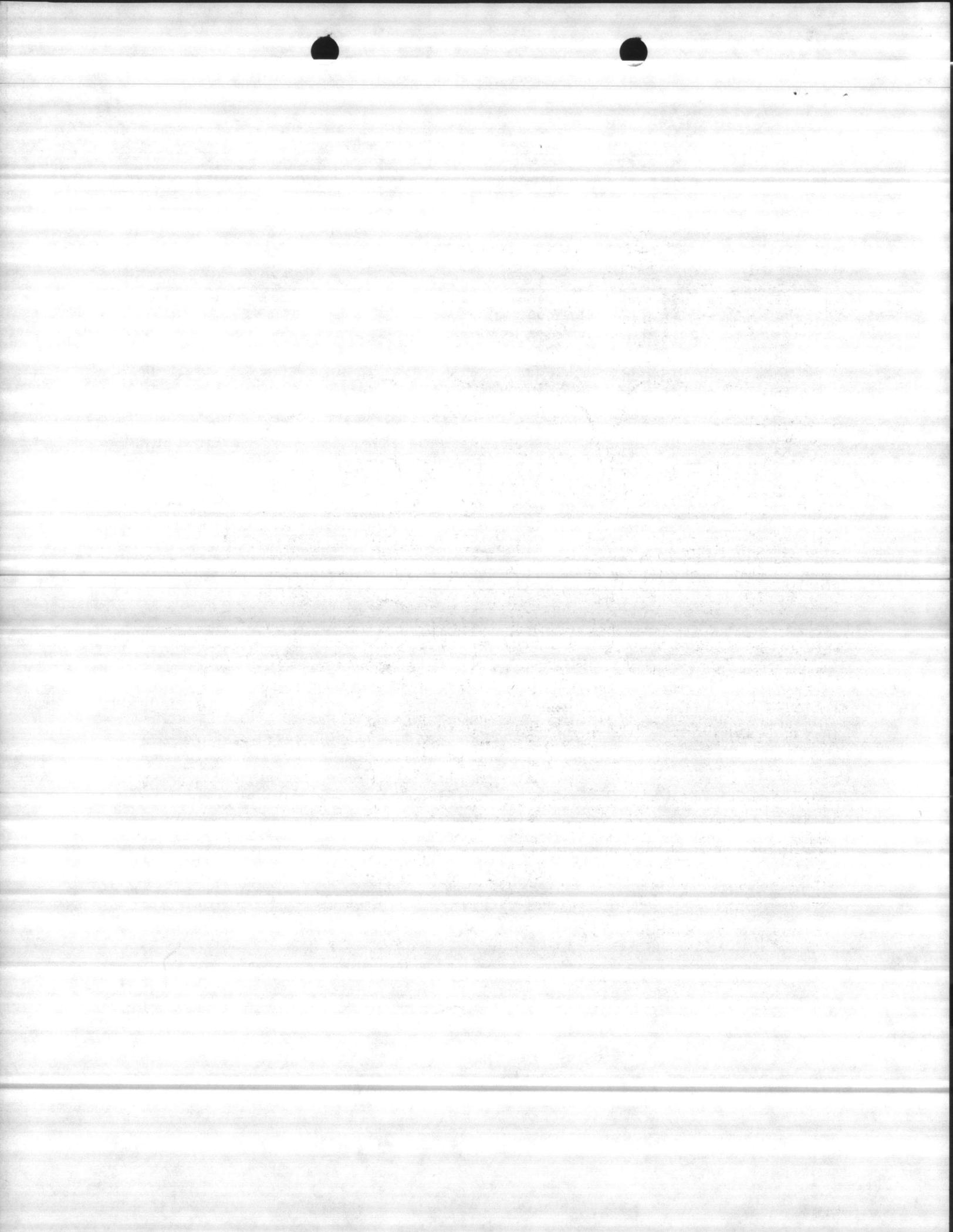
STORM DRAINS

MONTH: NC0003239

YEAR: January 1987

LOCATION: Marine Corps Base, Camp Lejeune, NC COUNTY: Onslow

STORM DRAIN NUMBER	DATE COLLECTED	FLOW 50050	pH 00400	TOTAL	OIL &
				SUSPENDED RESIDUE 00530	GREASE 00556
20	15 Jan	4,665,600	7.2	128	0
26	15 Jan	29,160	7.4	1.0	0
27	15 Jan	23,328	7.2	8	0
28	15 Jan	87,480	8.2	4	0
30	15 Jan	874,800	6.6	7	0
31	15 Jan	145,800	7.1	1.0	0.3
32	15 Jan	54,675,000	6.8	2	0
67	15 Jan	583,200	7.3	13	2.0
68	15 Jan	1,166,400	7.3	8	0
69	15 Jan	1,749,600	6.4	11	0.7
81	15 Jan	3,499,200	6.5	7	0.3
82	15 Jan	6,998,400	6.9	7	0.6
83	15 Jan	583,200	7.5	4	0
84	15 Jan	219,600	7.5	6	0
86	15 Jan	Tidal	7.1	5	0.4
87	15 Jan	349,920	7.1	4	0



6288  
NREAD  
27 Mar 87

Mr. Paul Wilms, Director  
Division of Environmental Management  
NC Department of Natural Resources  
and Community Development  
Post Office Box 27687  
Raleigh, North Carolina 27611

Dear Sir:

In accordance with requirements of the National Pollutant Discharge Elimination System (NPDES) Permit Number NC0003239, two copies of Discharge Monitoring Reports (DMRs) for the month of February 1987 are submitted.

The Hadnot Point Wastewater Treatment Plant did not meet their Biochemical Oxygen Demand (BOD) percent monthly effluent average limit of 22 mg/l. The actual BOD effluent average was 27 mg/l. A bearing in one of the trickling filters malfunctioned in January 1987 which hindered filter growth and decreased plant efficiency.

A study run by the Base during February showed that moving the BOD effluent sample point from before the contact chamber, as recommended by Standard Methods, to the end of the contact chamber will show lower BOD readings. Starting with March 1987, all effluent BOD samples will be taken at the end of the contact chamber.

For the Courthouse Bay, Rifle Range and Onslow Beach Wastewater Treatment Plants there are no fecal coliform data for the month. The permits were received after total coliform data had already been started for the month, so for continuity it was continued. The total coliform count still did not exceed the 14/100 ml geometric mean. Fecal coliform is now being run on all plants.

There is no stream sampling for the Courthouse Bay Wastewater Treatment Plant or the Onslow Beach Wastewater Treatment Plant or downstream analysis for the Rifle Range Wastewater Treatment Plant due to inclement weather, i.e., high winds, which halted the sampling run.



6288  
NREAD(L)

Questions regarding this report should be forwarded to Ms. Elizabeth Betz, Supervisory Chemist, Natural Resources and Environmental Affairs Division, Assistant Chief of Staff, Facilities at (919) 451-5977.

Sincerely,

J. I. NGOTEN  
Director, Natural Resources Division  
By direction of the Commanding General

Encis:

(1) DEN Forms NR-1, NR-2 & NR-3 (2 copies)

Copy to:

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# EFFLUENT

NPDES PERMIT NO: NC0063029 DISCHARGE NO: 001 MONTH: Feb. YEAR: 1987  
 FACILITY NAME: Hadnot Point STP CLASS: IV COUNTY: ONSLOW  
 OPERATOR IN RESPONSIBLE CHARGE (ORC): Mack D. Davis GRADE: IV  
 CERTIFIED LABORATORY: Environmental Chemistry and Microbiology Laboratory

PERSON(S) COLLECTING SAMPLES: STP Operators

CHECK BLOCK IF ORC HAS CHANGED

Mail original and one copy to:

ATT: Central Files  
 Division of Environmental Management  
 NC Department of NRCD  
 PO Box 27687  
 Raleigh, North Carolina 27611

I CERTIFY THAT THIS REPORT

IS ACCURATE AND COMPLETE TO

THE BEST OF MY KNOWLEDGE.

X

*Mack D. Davis*

Signature of operator in responsible charge

DATE	TIME 2400 CLOCK	COMPOSITE TIME	50050	00010	00409	00545	50060	00310	00340	00610	00500	00530	31616	00300	00556 00640 00666 00731 00744				
			DAILY RATE	TEMPERATURE CELSIUS	pH	SETTLABLE MATTER	RESIDUAL CHLORINE	BOD5 20°C	COD	AMMONIA NITROGEN	TOTAL RESIDUE	TOTAL SUSPENDED RESIDUE	FECAL COLIFORM Geometric Mean	DISSOLVED OXYGEN	ENTER PARAMETER CODE ABOVE NAME AND UNITS BELOW				
															OIL & GREASE	TOTAL NITROGEN	TOTAL PHOSPHORUS	TOTAL COLIFORM	MEAN
HRS	MGD	C°	UNIT	ML/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	100 ML	MG/L	MG/L	MG/L	MG/L	MG/L	
1	0024	5.461	19	6.9		4.0								7.8					
2	0024	6.117	18	7.0		4.0	21			4.0		6	4	7.7				12	
3	0024	6.211	18	6.9		4.0	26			4.9		9	0	6.6					
4	0024	6.194	18	7.0		4.0	22			5.7		8	820	7.2					
5	0024	6.268	17	6.9		4.0	22			4.8		8	0	6.7					
6	0024	6.141	16	7.0		4.0	29			5.8		10	2	7.9					
7	0024	6.061	18	6.9		4.0								5.9					
8	0024	6.093	18	6.8		3.0								7.0					
9	0024	6.317	15	7.0		4.0	34			6.9		22	0	7.4					
10	0024	6.050	15	7.0		4.0	26			8.8		11	0	7.0					
11	0024	6.068	18	6.8		4.0	26			8.2		7	0	7.0					
12	0024	6.036	18	6.8		4.0	29			10.1		10	0	6.3					
13	0024	5.708	17	7.0		4.0	38			11.1		10	0	6.6					
14	0024	4.859	18	7.0		4.0								6.8					
15	0024	5.550	18	6.8		4.5								6.5					
16	0024	6.880	16	7.0		4.0	21			8.2		9	4	7.7					
17	0024	6.340	17	6.8		4.0	24			9.2		8	0	7.0					
18	0024	6.205	16	6.9		3.0	28			7.7		9	0	7.0					
19	0024	6.066	16	7.1		3.0	23			8.2		10	10	6.2					
20	0024	4.768	15	7.0		4.0	28			8.7		9	2	6.8			5.5		
21	0024	5.867	16	6.9		4.0								6.7					
22	0024	7.024	15	6.8		4.0								6.9					
23	0024	5.867	17	6.8		4.0	38			6.6		10	0	7.3					
24	0024	7.158	16	7.0		4.0	23			7.6		10	0	7.2	0.2				
25	0024	6.232	16	6.9		4.0	27			9.7		12	0	7.3			4.6		
26	0024	6.623	15	6.8		4.0	27			8.7		10	30	6.3		11.49	5.9		
27	0024	7.267	16	6.8		4.0	29			8.5		12	0	7.0	1.5				
28	0024	8.392	19	6.9		4.0								7.2					
29																			
30																			
31																			
Average			6.208	16			3.9	27		7.7		10	2.29	6.7	0.9	11.49	5.3		
Max.			8.392	19	7.1		4.5	38		11.1		22	820	7.9	1.5	11.49	5.9		
Min.			4.768	15	6.8		3.0	21		4.0		6	0	5.9	0.2	11.49	4.6		
Comp. (C) / Grub (G)			G	G			G	C		C		C	G	G	C	C			
Monthly Limit				6-9				22		19		30	14	>5	30				

Facility Status: ( Please check one of the following)

All monthly averages and / or other limitation do meet permit monitoring requirements  ( Compliant)

All monthly averages and / or other limitation do not meet permit monitoring requirements  ( Noncompliant)

If the facility is noncompliant, please comment on corrective actions being taken in respect to equipment, operation, maintenance, etc. and a time table for improvements to be made.  
( Attach additional sheets if necessary)

See Cover Letter for Explanation

I certify that this Report is accurate and complete to the best of my knowledge:

*Johari L. Wooten*  
Signature of Permittee

PARAMETER CODES

00010	Temperature	00556	Oil and Grease	00950	Dissolved Fluoride	01077	Silver'	39516	PCBS
00065	Stream Stage	00600	Total Nitrogen	01002	Total Arsenic	01087	Total Vanadium	39941	Roundup
00076	Turbidity	00610	Ammonia Nitrogen	01027	Cadmium	01092	Zinc	50047	Max. flow during 24-hr. period
00300	Dissolved Oxygen	00625	Total Kjeldahl Nitrogen	01032	Hexavalent Chromium	01105	Total Aluminum	50048	Min. flow during 24-hr. period
00310	BOD <sub>5</sub>	00665	Total Phosphorous	01034	Chromium	01147	Total Selenium	50050	Flow
00340	COD	00720	Cyanide	01037	Total Cobalt	31504	Total Coliform	50060	Total Residual Chlorine
00400	pH	00745	Total Sulfide	01042	Copper	31614	Fecal Coliform, MPN, Tube	71880	Formaldehyde
00500	Total Solids	00927	Total Magnesium	01045	Total Iron	31616	Fecal Coliform	71900	Mercury
00530	TSS	00929	Total Sodium	01051	Lead	32730	Total Phenolics	81318	Ferrocyanides
00545	Settleable Solids	00940	Total Chloride	01067	Nickel	38260	MBAS	85652	Time

The monthly average for fecal coliform is to be reported as a geometric MEAN.

If using alternate units for reporting data, please designate.

# EFFLUENT

NPDES PERMIT NO: NC0003239 DISCHARGE NO: 001 MONTH: Feb. YEAR: 1987  
 FACILITY NAME: Camp Geiger STP CLASS: III COUNTY: Onslow  
 OPERATOR IN RESPONSIBLE CHARGE (ORC): Mack D. Davis GRADE: IV  
 CERTIFIED LABORATORY: Environmental Chemistry and Microbiology Laboratory

PERSON(S) COLLECTING SAMPLES: STP Operators

CHECK BLOCK IF ORC HAS CHANGED

Mail original and one copy to:  
 ATT: Central Files  
 Division of Environmental Management  
 NC Department of NRCD  
 PO Box 27687  
 Raleigh, North Carolina 27611

I CERTIFY THAT THIS REPORT  
 IS ACCURATE AND COMPLETE TO  
 THE BEST OF MY KNOWLEDGE.

X

*Mack D. Davis*

Signature of operator in responsible charge

DATE	TIME 2400 CLOCK	COMPOSITE TIME	50050	00010	00400	00545	50050	00310	00340	00610	00500	00530	31616	00300	ENTER PARAMETER CODE ABOVE NAME AND UNITS BELOW				
			FLOW	EFF <input checked="" type="checkbox"/>	INF <input type="checkbox"/>	TEMPERATURE CELSIUS	pH	SETTLABLE MATTER	RESIDUAL CHLORINE	BOD5 20°C	COD	AMMONIA NITROGEN	TOTAL RESIDUE	TOTAL SUSPENDED RESIDUE	FECAL COLIFORM Geometric Mean	DISSOLVED OXYGEN	OIL & GREASE	TOTAL NITROGEN	TOTAL PHOSPHORUS
			DAILY RATE	MGD	C°														
1	0024	1.209	17	6.8		4.0								8.7					
2	0024	1.3024	19	6.4		4.0	8			-9.9		4	0	8.0					
3	0024	1.1343	19	6.4		4.0	11			11.5		6	0	8.0					
4	0024	1.2484	19	6.8		4.0	18			9.5		6	0	5.0					
5	0024	1.0938	14	6.8		4.0	11			12.8		2	0	6.2					
6	0024	1.2138	15	7.2		3.0	21			11.5		6.	0	4.5					
7	0024	1.2379	17	7.2		4.0								7.5					
8	0024	1.1461	15	7.2		4.0								8.2					
9	0024	1.2540	14	6.8		5.0	7			11.8		2	0	7.5					
10	0024	1.1298	14	6.6		4.0	14			13.1		6	0	8.2					
11	0024	1.1721	14	6.4		2.5	13			14.5		6.	0	4.7					
12	0024	1.2074	15	7.1		7.0	17			13.5		8	2	6.2					
13	0024	1.2437	15	7.2		4.0	18			13.6		3	N.S.	5.0					
14	0024	1.0569	15	6.6		4.0								5.6					
15	0024	1.0012	15	7.0		4.0								6.0					
16	0024	1.3207	14	7.4		4.0	14			10.9		8	0	5.6					
17	0024	1.5389	15	6.7		4.0	11			7.8		5	0	6.9					
18	0024	1.3854	15	6.7		4.0	12			11.6		2	0	9.0					
19	0024	1.2660	14	6.8		4.0	15			11.5		4.	0	10.5					
20	0024	1.1714	15	6.8		4.0	11			11.7		2	0	11.0			1.1		
21	0024	1.1589	14	6.8		4.0								6.6					
22	0024	1.0836	14	6.8		4.0								6.2					
23	0024	1.3493	15	6.8		4.0	12			12.0		1	0	9.9					
24	0024	1.1705	15	6.6		4.0	16			12.6		2	0	9.5	0				
25	0024	1.1913	15	6.8		4.0	18			17.3		7	0	10.0			1.1		
26	0024	1.1596	14	6.6		4.0	20			12.7		2	0	11.0		15.33	2.6		
27	0024	1.5603	15	6.8		4.0	40			12.0		16	2	10.5	1.0				
28	0024	1.9756	17	6.9		4.0								11.0					
29																			
30																			
31																			
Average		1.2494	15			3.9	21			12.1		5	1.08*	7.8	0.5	15.33	1.6		
Max.		1.9756	19	7.4		4.0	40			17.3		16	2	11.0	1.0	15.33	2.6		
Min.		1.0012	14	6.4		2.5	7			7.8		1	0	4.5	0	15.33	1.1		
Comp.(C)/Grab(G)			G	G		G	C			C		C	G	G	G	C	C		
Monthly Limit				6-9			30					30	200	> 5	30				

Facility Status: ( Please check one of the following)

All monthly averages and / or other limitation do meet permit monitoring requirements  ( Compliant)

All monthly averages and / or other limitation do not meet permit monitoring requirements  ( Noncompliant)

If the facility is noncompliant, please comment on corrective actions being taken in respect to equipment, operation, maintenance, etc. and a time table for improvements to be made.  
( Attach additional sheets if necessary)

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I certify that this Report is accurate and complete to the best of my knowledge:

*Julian J. Wooten*  
Signature of Permittee

PARAMETER CODES

00010	Temperature	00556	Oil and Grease	00950	Dissolved Fluoride	01077	Silver	39516	PCBS
00065	Stream Stage	00600	Total Nitrogen	01002	Total Arsenic	01087	Total Vanadium	39941	Roundup
00076	Turbidity	00610	Ammonia Nitrogen	01027	Cadmium	01092	Zinc	50047	Max. flow during 24-hr. period
00300	Dissolved Oxygen	00625	Total Kjeldahl Nitrogen	01032	Hexavalent Chromium	01105	Total Aluminum	50048	Min. flow during 24-hr. period
00310	BOD <sub>5</sub>	00665	Total Phosphorous	01034	Chromium	01147	Total Selenium	50050	Flow
00340	COD	00720	Cyanide	01037	Total Cobalt	31504	Total Coliform	50060	Total Residual Chlorine
00400	pH	00745	Total Sulfide	01042	Cooper	31614	Fecal Coliform, MPN, Tube	71880	Formaldehyde
00500	Total Solids	00927	Total Magnesium	01045	Total Iron	31616	Fecal Coliform	71900	Mercury
00530	TSS	00929	Total Sodium	01051	Lead	32730	Total Phenolics	81318	Ferrocyanides
00545	Settleable Solids	00940	Total Chloride	01067	Nickel	38260	MBAS	85652	Time

The monthly average for fecal coliform is to be reported as a geometric MEAN.

If using alternate units for reporting data, please designate.

# EFFLUENT

NPDES PERMIT NO: NC0063002 DISCHARGE NO: 001 MONTH: Feb. YEAR: 1987  
 FACILITY NAME: Tarawa Terrace STP CLASS: III COUNTY: Onslow  
 OPERATOR IN RESPONSIBLE CHARGE (ORC): Mack D. Davis GRADE: IV  
 CERTIFIED LABORATORY: Environmental Chemistry and Microbiology Laboratory

PERSON(S) COLLECTING SAMPLES: STP Operators

CHECK BLOCK IF ORC HAS CHANGED

Mail original and one copy to:  
 ATT: Central Files  
 Division of Environmental Management  
 NC Department of NRCD  
 PO Box 27687  
 Faleigh, North Carolina 27611

I CERTIFY THAT THIS REPORT  
 IS ACCURATE AND COMPLETE TO  
 THE BEST OF MY KNOWLEDGE.

X

Signature of operator in responsible charge

DATE	TIME 2400 CLOCK	COMPOSITE TIME	50050	00010	00400	00545	50060	00310	00340	00610	00500	00530	31616	00300	00551 00604 00605				
			FLOW	TEMPERATURE CELSIUS	PH	SETTLABLE MATTER	RESIDUAL CHLORINE	BOD5 20°C	COD	AMMONIA NITROGEN	TOTAL RESIDUE	TOTAL SUSPENDED RESIDUE	FECAL COLIFORM	DISSOLVED OXYGEN	OIL & GREASE	TOTAL NITROGEN	TOTAL PHOSPHOR.	ENTER PARAMETER CODE ABOVE NAME AND UNITS BELOW	
			EFF <input checked="" type="checkbox"/>															INF <input type="checkbox"/>	DAILY RATE
1	00	24	.7112	12	6.5		4.0							9.1					
2	00	24	.6869	12	6.6		4.0	30				6	0	9.3					
3	00	24	.7210	13	6.7		5.0	25				7	0	8.9					
4	00	24	.6514	13	6.6		4.0	28				7	0	9.0					
5	00	24	.6525	13	6.6		4.0	24				8	0	9.2					
6	00	24	.6237	14	6.6		4.0	25				4	0	9.0					
7	00	24	.7539	12	6.8		4.0							9.2					
8	00	24	.7354	12	6.2		4.0							9.0					
9	00	24	.6967	10	6.2		4.0	31				6	0	9.6					
10	00	24	.5842	10	6.4		4.0	24				5	0	9.8					
11	00	24	.6532	12	6.6		4.0	27				3	0	9.1					
12	00	24	.6851	14	6.4		4.5	23				6	0	9.6					
13	00	24	.6612	14	7.0		4.5	22				7	0	9.8					
14	00	24	.7543	14	6.8		4.5							9.7					
15	00	24	.6840	14	6.7		4.5							9.8					
16	00	24	.7807	12	6.7		4.5	30				10	0	9.8					
17	00	24	.8319	12	6.7		4.0	24				6	0	9.7					
18	00	24	.7691	12	6.7		4.0	24				5	0	9.6					
19	00	24	.6059	12	6.6		4.0	21				7	0	10.0					
20	00	24	.6092	12	6.7		4.0	23				5	0	9.8					
21	00	24	.6662	12	6.7		4.0							10.0					
22	00	24	.8023	12	6.6		3.0							8.9					
23	00	24	.7470	14	6.4		4.0	31				8	0	9.0					
24	00	24	.6067	13	6.6		4.0	22				12	480	9.5	0				
25	00	24	.6616	14	6.6		4.0	26				5	0	9.7			5.3		
26	00	24	.5198	12	6.8		4.0	28				6	0	9.4		10.89			
27	00	24	.7601	11	6.7		5.0	25				7	4	9.1	3.2				
28	00	24	1.0385	10	6.4		4.0							9.2					
29																			
30																			
31																			
Average			.7019	12			4.1	26				6	1.46	9.4	1.6	10.89	5.3		
Max.			1.0385	14	7.0		5.0	31				12	480	10.0	3.2	10.89	5.3		
Min.			.5198	10	6.2		3.0	21				3	0	8.9	0	10.89	5.3		
Comp.(C)/Grab(G)			G	G			G	C				C	G	G	G	C	C		
Monthly Limit					6-9			30				30	1000	75	30				

Facility Status: ( Please check one of the following)

All monthly averages and / or other limitation do meet permit monitoring requirements  ( Compliant)

All monthly averages and / or other limitation do not meet permit monitoring requirements  ( Noncompliant)

If the facility is noncompliant, please comment on corrective actions being taken in respect to equipment, operation, maintenance, etc. and a time table for improvements to be made.  
( Attach additional sheets if necessary)

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I certify that this Report is accurate and complete to the best of my knowledge:

*Julian D. Wooten*  
Signature of Permittee

PARAMETER CODES

00010 Temperature	00556 Oil and Grease	00950 Dissolved Fluoride	01077 Silver	39516 PCBS
00065 Stream Stage	00600 Total Nitrogen	01002 Total Arsenic	01087 Total Vanadium	39941 Roundup
00076 Turbidity	00610 Ammonia Nitrogen	01027 Cadmium	01092 Zinc	50047 Max. flow during 24-hr. period
00300 Dissolved Oxygen	00625 Total Kjeldahl Nitrogen	01032 Hexavalent Chromium	01105 Total Aluminum	50048 Min. flow during 24-hr. period
00310 BOD <sub>5</sub>	00665 Total Phosphorous	01034 Chromium	01147 Total Selenium	50050 Flow
00340 COD	00720 Cyanide	01037 Total Cobalt	31504 Total Coliform	50060 Total Residual Chlorine
00400 pH	00745 Total Sulfide	01042 Copper	31614 Fecal Coliform, MPN, Tube	71280 Formaldehyde
00500 Total Solids	00927 Total Magnesium	01045 Total Iron	31616 Fecal Coliform	71900 Mercury
00530 TSS	00929 Total Sodium	01051 Lead	32730 Total Phenolics	81318 Ferrocyanides
00545 Settleable Solids	00940 Total Chloride	01067 Nickel	38260 MBAS	85652 Time

The monthly average for fecal coliform is to be reported as a geometric MEAN.

If using alternate units for reporting data, please designate.



Facility Status: ( Please check one of the following)

All monthly averages and / or other limitation do meet permit monitoring requirements  ( Compliant)

All monthly averages and / or other limitation do not meet permit monitoring requirements  ( Noncompliant)

If the facility is noncompliant, please comment on corrective actions being taken in respect to equipment, operation, maintenance, etc. and a time table for improvements to be made.  
( Attach additional sheets if necessary)

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I certify that this Report is accurate and complete to the best of my knowledge:

*Jubair I. Woster*  
Signature of Permittee

PARAMETER CODES

00010	Temperature	00556	Oil and Grease	00950	Dissolved Fluoride	01077	Silver	39516	PCBS
00065	Stream Stage	00600	Total Nitrogen	01002	Total Arsenic	01087	Total Vanadium	39941	Roundup
00076	Turbidity	00610	Ammonia Nitrogen	01027	Cadmium	01092	Zinc	50047	Max. flow during 24-hr. period
00300	Dissolved Oxygen	00625	Total Kjeldahl Nitrogen	01032	Hexavalent Chromium	01105	Total Aluminum	50048	Min. flow during 24-hr. period
00310	BOD <sub>5</sub>	00665	Total Phosphorous	01034	Chromium	01147	Total Selenium	50050	Flow
00340	COD	00720	Cyanide	01037	Total Cobalt	31504	Total Coliform	50060	Total Residual Chlorine
00400	pH	00745	Total Sulfide	01042	Copper	31614	Fecal Coliform, MPN, Tube	71880	Formaldehyde
00500	Total Solids	00927	Total Magnesium	01045	Total Iron	31616	Fecal Coliform	71900	Mercury
00530	TSS	00929	Total Sodium	01051	Lead	32730	Total Phenolics	81318	Ferrocyanides
00545	Settleable Solids	00940	Total Chloride	01067	Nickel	38260	MBAS	85652	Time

The monthly average for fecal coliform is to be reported as a geometric MEAN.

If using alternate units for reporting data, please designate.

# EFFLUENT

NPDES PERMIT NO: NC0063037 DISCHARGE NO: 001 MONTH: Feb. YEAR: 1987

FACILITY NAME: Rigle Range STP CLASS: II COUNTY: Onslow

OPERATOR IN RESPONSIBLE CHARGE (ORC): Mack D. Davis GRADE: IV

CERTIFIED LABORATORY: Environmental Chemistry and Microbiology Laboratory

CHECK BLOCK IF ORC HAS CHANGED

PERSON(S) COLLECTING SAMPLES: STP Operators

Mail original and one copy to:  
 ATT: Central Files  
 Division of Environmental Management  
 NC Department of NRCD  
 PO Box 27687  
 Raleigh, North Carolina 27611

I CERTIFY THAT THIS REPORT  
 IS ACCURATE AND COMPLETE TO  
 THE BEST OF MY KNOWLEDGE.

X

*Mack D. Davis*

Signature of operator in responsible charge

DATE	TIME 2400 CLOCK	COMPOSITE TIME	50050	00010	00400	00545	50060	00310	00340	00610	00500	00530	31616	00300	ENTER PARAMETER CODE ABOVE NAME AND UNITS BELOW				
			FLOW EFF <input checked="" type="checkbox"/>	INF <input type="checkbox"/>	TEMPERATURE CELSIUS	PH	SETTLABLE MATTER	RESIDUAL CHLORINE	BOD5 20 °C	COD	AMMONIA NITROGEN	TOTAL RESIDUE	TOTAL SUSPENDED RESIDUE	FECAL COLIFORM Geometric Mean	DISSOLVED OXYGEN	OIL & GREASE	TOTAL NITROGEN	TOTAL PHOSPHORUS	TOTAL COLIFORM MEAN
			DAILY RATE	TEMPERATURE CELSIUS															
HRS	MGD	°C	UNIT	ML/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	100 ML	MG/L	MG/L	MG/L	MG/L	MG/L	
1	00	24	.2435				4.0												
2	00	24	.2576				4.0												
3	00	24	.2388				4.0												
4	00	24	.2182	16	6.7		4.0	10		0.16		7		13.3					0
5	00	24	.2177				4.0												
6	00	24	.2177				4.0												
7	00	24	.1940				4.0												
8	00	24	.1914				4.0												
9	00	24	.2000				4.0												
10	00	24	.2305				4.0												
11	00	24	.2225	15	6.8		6.0	13		1.25		3		13.7					0
12	00	24	.2339				4.0												
13	00	24	.2405				4.0												
14	00	24	.2097				6.0												
15	00	24	.2139				4.0												
16	00	24	.2017				4.0												
17	00	24	.2130				4.0												
18	00	24	.2143	14	6.5		4.0	10		0.14		4		10.9					0
19	00	24	.2141	14			6.0												
20	00	24	.1935				5.0												
21	00	24	.2153				4.0												
22	00	24	.2125				5.0												
23	00	24	.1347				4.0												
24	00	24	.2540				5.0												
25	00	24	.2209	15	7.0		6.0	17		3.0		8		10.7			1.6		0
26	00	24	.1349				5.0												
27	00	24	.2373				4.0												
28	00	24	.2608				5.0												
29																			
30																			
31																			
Average			.21562	15			4.5	13		1.12		6		12.1	0		1.6		0
Max.			.26081	14	7.0		4.0	17		3.0		8		13.7	0		1.6		0
Min.			.13476	16	6.5		6.0	10		0.14		3		10.7	0		1.6		0
Comp.(C)/Grab(G)				G	G		G	C		C		C		G	G		C		G
Monthly Limit					6-7			30						25	30				14

Facility Status: ( Please check one of the following)

All monthly averages and / or other limitation do meet permit monitoring requirements

( Compliant)

All monthly averages and / or other limitation do not meet permit monitoring requirements

( Noncompliant)

If the facility is noncompliant, please comment on corrective actions being taken in respect to equipment, operation, maintenance, etc. and a time table for improvements to be made.

( Attach additional sheets if necessary)

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I certify that this Report is accurate and complete to the best of my knowledge:

*Julian J. Wooten*

Signature of Permittee

PARAMETER CODES

00010	Temperature	00556	Oil and Grease	00950	Dissolved Fluoride	01077	Silver	39516	PCBS
00065	Stream Stage	00600	Total Nitrogen	01002	Total Arsenic	01087	Total Vanadium	39941	Roundup
00076	Turbidity	00610	Ammonia Nitrogen	01027	Cadmium	01092	Zinc	50047	Max. flow during 24-hr. period
00300	Dissolved Oxygen	00625	Total Kjeldahl Nitrogen	01032	Hexavalent Chromium	01105	Total Aluminum	50048	Min. flow during 24-hr. period
00310	BOD <sub>5</sub>	00665	Total Phosphorous	01034	Chromium	01147	Total Selenium	50050	Flow
00340	COD	00720	Cyanide	01037	Total Cobalt	31504	Total Coliform	50060	Total Residual Chlorine
00400	pH	00745	Total Sulfide	01042	Copper	31614	Fecal Coliform, MPN, Tube	71880	Formaldehyde
00500	Total Solids	00927	Total Magnesium	01045	Total Iron	31616	Fecal Coliform	71900	Mercury
00530	TSS	00929	Total Sodium	01051	Lead	32730	Total Phenolics	81318	Ferrocyanides
00545	Settleable Solids	00940	Total Chloride	01067	Nickel	38260	MBAS	85652	Time

The monthly average for fecal coliform is to be reported as a geometric MEAN.

If using alternate units for reporting data, please designate.

# EFFLUENT

NPDES PERMIT NO: NC0063045 DISCHARGE NO: 001 MONTH: Feb. YEAR: 1987  
 FACILITY NAME: Courthouse Bay STP CLASS: II COUNTY: Onslow  
 OPERATOR IN RESPONSIBLE CHARGE (ORC): Mack D. Davis GRADE: IV  
 CERTIFIED LABORATORY: Environmental Chemistry and Microbiology Laboratory  
 PERSON(S) COLLECTING SAMPLES: STP Operators

CHECK BLOCK IF ORC HAS CHANGED

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 Raleigh, North Carolina 27611

I CERTIFY THAT THIS REPORT  
 IS ACCURATE AND COMPLETE TO  
 THE BEST OF MY KNOWLEDGE

*Mack D. Davis*

X

Signature of operator in responsible charge

DATE	TIME 2400 CLOCK	COMPOSITE TIME	50050	00010	00400	00545	50060	00310	00340	00610	00500	00530	31616	00300	ENTER PARAMETER CODE ABOVE NAME AND UNITS BELOW					
			FLOW EFF <input checked="" type="checkbox"/> INF <input type="checkbox"/>	TEMPERATURE CELSIUS	pH	SETTLABLE MATTER	RESIDUAL CHLORINE	BOD5 20°C	COD	AMMONIA NITROGEN	TOTAL RESIDUE	TOTAL SUSPENDED RESIDUE	FECAL COLIFORM	DISSOLVED OXYGEN	OIL & GREASE	TOTAL NITROGEN	TOTAL PHOSPHORUS	TOTAL CALIFORNIA		
		DAILY RATE	°C	UNIT	ML/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	100 ML	MG/L	MG/L	MG/L	MG/L	MG/L		
1	00	24	.4266			4.0														
2	00	24	.6577			2.0														
3	00	24	.7684	16	6.9	5.0	13			3.6		6		8.0				30		
4	00	24	.5986			2.5														
5	00	24	.3259			4.0														
6	00	24	.5448			4.5														
7	00	24	.3502			4.0														
8	00	24	.3072			3.5														
9	00	24	.3860	14	6.7	4.0								8.2						
10	00	24	.3102			4.0	15			1.7		5						12		
11	00	24	.3764			3.5														
12	00	24	.3290			4.0														
13	00	24	.3120			3.0														
14	00	24	.2488			3.0														
15	00	24	.2325			3.5														
16	00	24	.4261			4.5														
17	00	24	.4982	15	7.0	5.0	15			0.3		6		8.9				12		
18	00	24	.3613			2.0														
19	00	24	.5186			4.0														
20	00	24	.3540			4.5														
21	00	24	.3280			4.0														
22	00	24	.4424			4.0														
23	00	24	.3168			4.0														
24	00	24	.2368	16	7.0	4.0	16			2.6		8		8.3	1.1			2		
25	00	24	.2426			4.0														
26	00	24	.3769			4.0														
27	00	24	.6832			3.0														
28	00	24	.8916			4.0														
29																				
30																				
31																				
Average			.4232	15		3.8	15			2.1		6		8.4	1.1			9.64		
Max.			.8916	16	7.0	5.0	16			3.6		8		8.9	1.1			30		
Min.			.2368	14	6.7	2.0	13			0.3		5		8.0	1.0			2		
Comp.(C)/ Grab(G)			G	G		G	C			C		C		G	G			G		
Monthly Limit					6-9		30					30		75	30			14		

Facility Status: ( Please check one of the following)

All monthly averages and / or other limitation do meet permit monitoring requirements

( Compliant)

All monthly averages and / or other limitation do not meet permit monitoring requirements

( Noncompliant)

If the facility is noncompliant, please comment on corrective actions being taken in respect to equipment, operation, maintenance, etc. and a time table for improvements to be made.

( Attach additional sheets if necessary)

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I certify that this Report is accurate and complete to the best of my knowledge:

*John d Wooten*  
 Signature of Permittee

PARAMETER CODES

00010 Temperature	00556 Oil and Grease	00950 Dissolved Fluoride	01077 Silver	39516 PCBs
00065 Stream Stage	00600 Total Nitrogen	01002 Total Arsenic	01087 Total Vanadium	39941 Roundup
00076 Turbidity	00610 Ammonia Nitrogen	01027 Cadmium	01092 Zinc	50047 Max. flow during 24-hr. period
00300 Dissolved Oxygen	00625 Total Kjeldahl Nitrogen	01032 Hexavalent Chromium	01105 Total Aluminum	50048 Min. flow during 24-hr. period
00310 BOD <sub>5</sub>	00665 Total Phosphorous	01034 Chromium	01147 Total Selenium	50050 Flow
00340 COD	00720 Cyanide	01037 Total Cobalt	31504 Total Coliform	50060 Total Residual Chlorine
00400 pH	00745 Total Sulfide	01042 Copper	31614 Fecal Coliform, MPN, Tube	71880 Formaldehyde
00500 Total Solids	00927 Total Magnesium	01045 Total Iron	31616 Fecal Coliform	71900 Mercury
00530 TSS	00929 Total Sodium	01051 Lead	32730 Total Phenolics	81318 Ferrocyanides
00545 Settleable Solids	00940 Total Chloride	01067 Nickel	38260 MBAS	85652 Time

The monthly average for fecal coliform is to be reported as a geometric MEAN.

If using alternate units for reporting data, please designate.

# EFFLUENT

NPDES PERMIT NO: NC0063053 DISCHARGE NO: 001 MONTH: Feb. YEAR: 1987  
 FACILITY NAME: Onslow Beach STP CLASS: II COUNTY: Onslow  
 OPERATOR IN RESPONSIBLE CHARGE (ORC): Mack D. Davis GRADE: IV  
 CERTIFIED LABORATORY: Environmental Chemistry and Microbiology Laboratory

PERSON(S) COLLECTING SAMPLES: STP Operators

CHECK BLOCK IF ORC HAS CHANGED

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 NC Department of NRCD  
 PO Box 27687  
 Raleigh, North Carolina 27611

I CERTIFY THAT THIS REPORT  
 IS ACCURATE AND COMPLETE TO  
 THE BEST OF MY KNOWLEDGE.

*Mack D. Davis*  
 X \_\_\_\_\_

Signature of operator in responsible charge

DATE	TIME 2400 CLOCK	COMPOSITE TIME	50050	00010	00400	00545	50060	00310	00340	00610	00500	00530	31615	00300	00550	00670	00660	31504	
			FLOW	TEMPERATURE		SETTLABLE MATTER	RESIDUAL CHLORINE	BOD5 20°C	COD	AMMONIA NITROGEN	TOTAL RESIDUE	TOTAL SUSPENDED RESIDUE	FECAL COLIFORM Geometric Mean	DISSOLVED OXYGEN	ENTER PARAMETER CODE ABOVE NAME AND UNITS BELOW				
			EFF <input type="checkbox"/>	CELSIUS	pH										MG/L	MG/L	MG/L	MG/L	MG/L
1	00	24	.13046				5.0												
2	00	24	.14415				5.0												
3	00	24	.1456				6.0												
4	00	24	.1553				6.0												
5	00	24	.1264	13	6.6		6.0	16		0.26		6		11.0				2	
6	00	24	.1290				5.0												
7	00	24	.1018				5.0												
8	00	24	.1107				5.0												
9	00	24	.1491				4.5												
10	00	24	.1516				5.0												
11	00	24	.1225				6.0												
12	00	24	.1401	13	6.8		6.0	21		0.21		10		11.5				0	
13	00	24	.1157				5.0												
14	00	24	.1049				4.0												
15	00	24	.1223				4.0												
16	00	24	.1588				4.0												
17	00	24	.1494				6.0												
18	00	24	.1543				5.0												
19	00	24	.1696	11	6.9		6.0	12		0.19		7		12.0				10	
20	00	24	.1587				5.5												
21	00	24	.1718				5.5												
22	00	24	.1911				5.5												
23	00	24	.2006				5.5												
24	00	24	.1707				6.0								0.5				
25	00	24	.1296				6.0												
26	00	24	.1320	14	6.9		6.0	21		0.43		6		10.6		1.75		90	
27	00	24	.1680		7.1		5.0								0				
28	00	24	.1843		7.0		5.0												
29																			
30																			
31																			
Average			.13944	13			5.3	18		0.27		7		11.3	0.25	1.75		6.51	
Max.			.20063	14	7.1		6.0	21		0.43		10		12.0	0.5	1.75		90	
Min.			.10490	11	6.6		4.0	12		0.19		6		10.6	0	1.75		0	
Comp.(C)/Grnb(G)			G	G			G	C		C		C		G	G	C		G	
Monthly Limit					6-9			30				30		>5	30			14	

Facility Status: ( Please check one of the following)

All monthly averages and / or other limitation do meet permit monitoring requirements  ( Compliant)

All monthly averages and / or other limitation do not meet permit monitoring requirements  ( Noncompliant)

If the facility is noncompliant, please comment on corrective actions being taken in respect to equipment, operation, maintenance, etc. and a time table for improvements to be made.  
( Attach additional sheets if necessary)

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I certify that this Report is accurate and complete to the best of my knowledge:

*Julian J. Wooters*  
-----  
Signature of Permittee

PARAMETER CODES

00010	Temperature	00556	Oil and Grease	00950	Dissolved Fluoride	01077	Silver	39516	PCBS
00065	Stream Stage	00600	Total Nitrogen	01002	Total Arsenic	01087	Total Vanadium	39941	Roundup
00076	Turbidity	00610	Ammonia Nitrogen	01027	Cadmium	01092	Zinc	50047	Max. flow during 24-hr. period
00300	Dissolved Oxygen	00625	Total Kjeldahl Nitrogen	01032	Hexavalent Chromium	01105	Total Aluminum	50048	Min. flow during 24-hr. period
00310	BOD <sub>5</sub>	00665	Total Phosphorous	01034	Chromium	01147	Total Selenium	50050	Flow
00340	COD	00720	Cyanide	01037	Total Cobalt	31504	Total Coliform	50060	Total Residual Chlorine
00400	pH	00745	Total Sulfide	01042	Copper	31614	Fecal Coliform, MPN, Tube	71880	Formaldehyde
00500	Total Solids	00927	Total Magnesium	01045	Total Iron	31616	Fecal Coliform	71900	Mercury
00530	TSS	00929	Total Sodium	01051	Lead	32730	Total Phenolics	81313	Ferrocyanides
00545	Settleable Solids	00940	Total Chloride	01067	Nickel	38260	MBAS	85652	Time

The monthly average for fecal coliform is to be reported as a geometric MEAN.

If using alternate units for reporting data, please designate.

# EFFLUENT

NPDES PERMIT NO: NC0003239 DISCHARGE NO: 014 MONTH: February YEAR: 1987  
 FACILITY NAME: Onslow Beach Water Treatment Pond CLASS:      COUNTY: Onslow  
 OPERATOR IN RESPONSIBLE CHARGE (ORC): Mack D. Davis GRADE: IV  
 CERTIFIED LABORATORY: Environmental Chemistry and Microbiology Laboratory  
 PERSON(S) COLLECTING SAMPLES: WTP Operators

CHECK BLOCK IF ORC HAS CHANGED

Mail original and one copy to:  
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 PO Box 27687  
 Raleigh, North Carolina 27611

I CERTIFY THAT THIS REPORT  
 IS ACCURATE AND COMPLETE TO  
 THE BEST OF MY KNOWLEDGE.

*Mack D. Davis*

X \_\_\_\_\_  
Signature of operator in responsible charge

DATE	TIME 2400 CLOCK	COMPOSITE TIME	50050	00010	00400	00545	50060	00310	00340	00610	00500	00530	31616	00300	ENTER PARAMETER CODE ABOVE NAME AND UNITS BELOW				
			FLOW	EFF <input type="checkbox"/>	INF <input type="checkbox"/>	TEMPERATURE CELSIUS	pH	SETTLABLE MATTER	RESIDUAL CHLORINE	BOD5 20°C	COD	AMMONIA NITROGEN	TOTAL RESIDUE	TOTAL SUSPENDED RESIDUE					FECAL COLIFORM Geometric Mean
			DAILY RATE																
			HRS MGD	C°	UNIT	ML/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	/100 ML	MG/L					
1																			
2																			
3	008				7.8							1							
4																			
5																			
6																			
7																			
8																			
9																			
10	008				8.3							4							
11																			
12																			
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24	008				8.1							6							
25																			
26																			
27																			
28																			
29																			
30																			
31																			
Average												4							
Max.					8.3							6							
Min.					7.8							1							
Comp.(C)/Grab(G)					G							C							
Monthly Limit					6-9							30							

Facility Status: ( Please check one of the following)

All monthly averages and / or other limitation do meet permit monitoring requirements

( Compliant)

All monthly averages and / or other limitation do not meet permit monitoring requirements

( Noncompliant)

If the facility is noncompliant, please comment on corrective actions being taken in respect to equipment, operation, maintenance, etc. and a time table for improvements to be made.

( Attach additional sheets if necessary)

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I certify that this Report is accurate and complete to the best of my knowledge:

*Julian J. Wooten*  
 Signature of Permittee

PARAMETER CODES

00010	Temperature	00556	Oil and Grease	00950	Dissolved Fluoride	01077	Silver	39516	PCBS
00065	Stream Stage	00600	Total Nitrogen	01002	Total Arsenic	01087	Total Vanadium	39941	Roundup
00076	Turbidity	00610	Ammonia Nitrogen	01027	Cadmium	01092	Zinc	50047	Max. flow during 24-hr. period
00300	Dissolved Oxygen	00625	Total Kjeldahl Nitrogen	01032	Hexavalent Chromium	01105	Total Aluminum	50048	Min. flow during 24-hr. period
00310	BOD <sub>5</sub>	00665	Total Phosphorous	01034	Chromium	01147	Total Selenium	50050	Flow
00340	COD	00720	Cyanide	01037	Total Cobalt	31504	Total Coliform	50060	Total Residual Chlorine
00400	pH	00745	Total Sulfide	01042	Copper	31614	Fecal Coliform, MPN, Tube	71880	Formaldehyde
00500	Total Solids	00927	Total Magnesium	01045	Total Iron	31616	Fecal Coliform	71900	Mercury
00530	TSS	00929	Total Sodium	01051	Lead	32730	Total Phenolics	81318	Ferrocyanides
00545	Settleable Solids	00940	Total Chloride	01067	Nickel	38260	MBAS	85652	Time

The monthly average for fecal coliform is to be reported as a geometric MEAN.

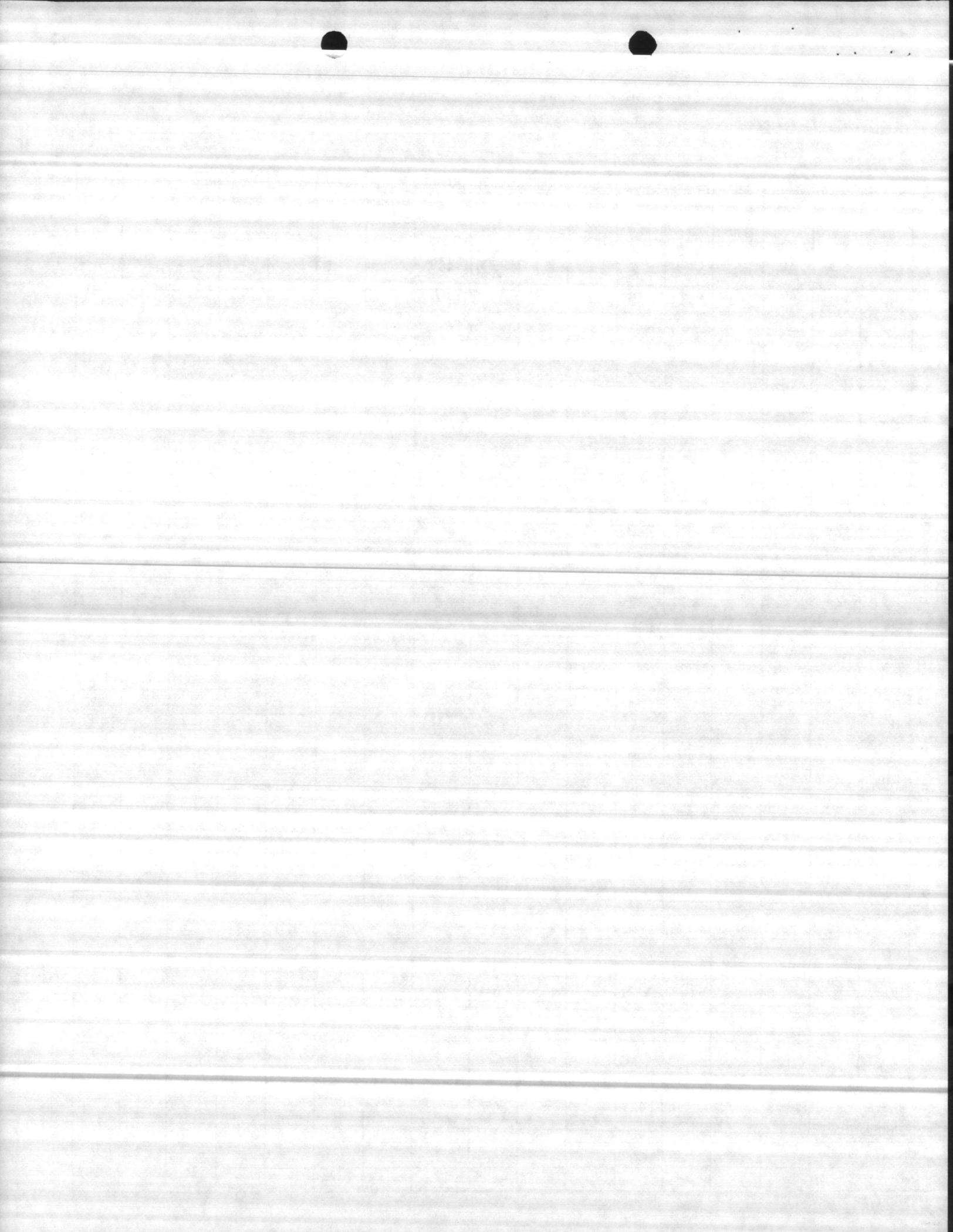
If using alternate units for reporting data, please designate.

# Influent

NPDES NO: NC0063029 DISCHARGE NO: 001 MONTH: Feb. YEAR: 1987

FACILITY NAME: Hadnot Point STP COUNTY: Onslow

			00400	00010	00545	00310	00610	00500	00530	00340	ENTER PARAMETER CODE ABOVE & NAME AND UNITS BELOW				
Date	Time	Composite Time	PH	Temperature (Celsius)	Settleable Matter	BOD <sub>5</sub> 20 °C	Ammonia Nitrogen	Total Residue	Total Suspended Residue	COD					
			STD UNITS	°C	MI/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L				
1															
2	00	24				104			78						
3	00	24				124			144						
4	00	24				152			98						
5	00	24				136			98						
6	00	24				128			105						
7															
8															
9	00	24				112			90						
10	00	24				120			82						
11	00	24				108			66						
12	00	24				132			80						
13	00	24				148			98						
14															
15															
16	00	24				100			82						
17	00	24				116			120						
18	00	24				156			114						
19	00	24				128			86						
20	00	24				152			132						
21															
22															
23	00	24				112			88						
24	00	24				224			146						
25	00	24				160			172						
26	00	24				240			172						
27	00	24				180			88						
28															
29															
30															
31															
AVERAGE						142			107						
MONTHLY MAXIMUM						240			172						
MONTHLY MINIMUM						100			66						
SAMPLE TYPE C or G						C			C						

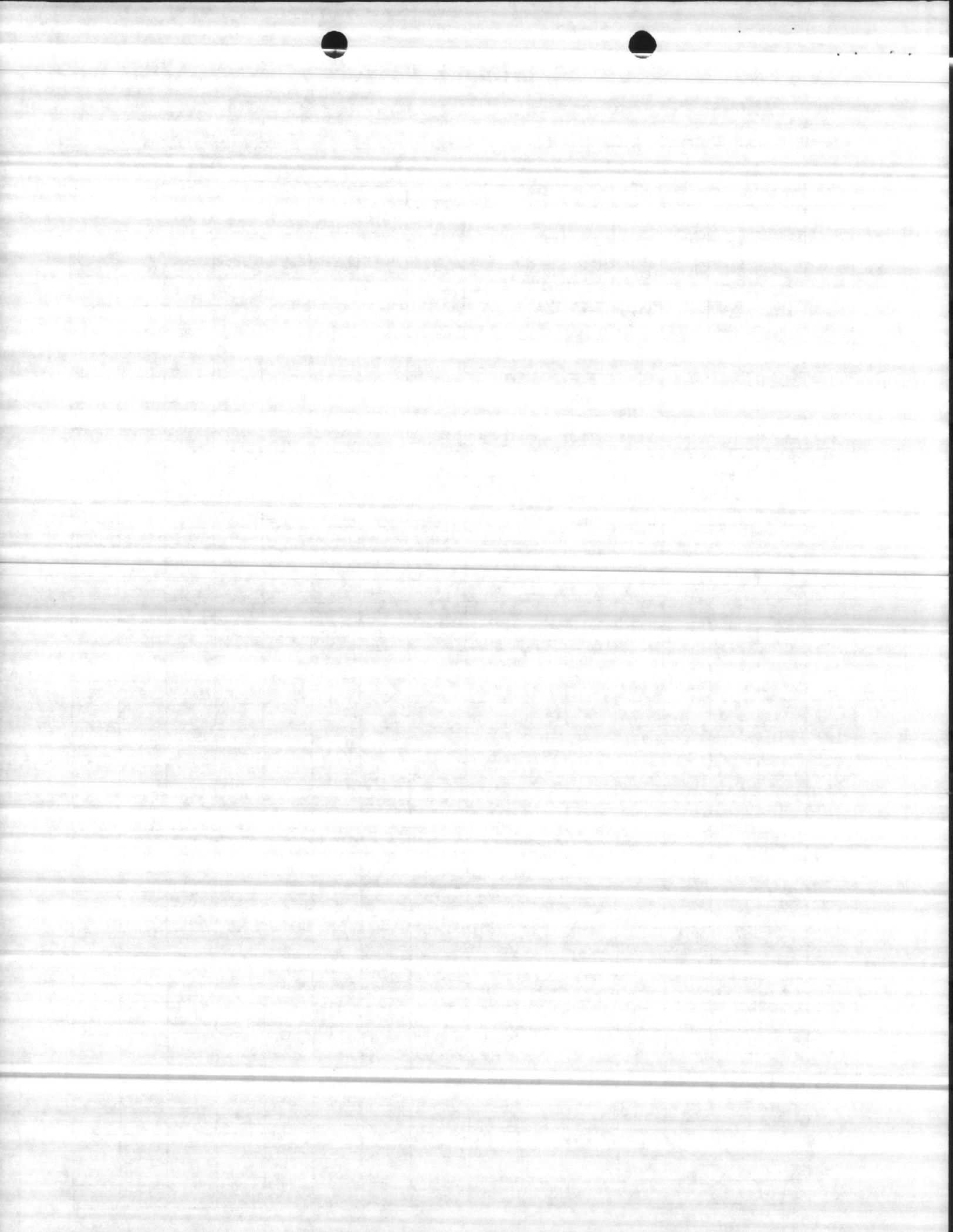


# Influent

NPDES NO: NC0003239 DISCHARGE NO: 001 MONTH: Feb. YEAR: 1987

FACILITY NAME: Camp Geiger ST.P COUNTY: Onslow

		00400	00010	00545	00310	00610	00500	00530	00340	ENTER PARAMETER CODE ABOVE & NAME AND UNITS BELOW						
Date	Time	Composite Time	PH	Temperature (Celsius)	Settleable Matter	BODs 20 °C	Ammonia Nitrogen	Total Residue	Total Suspended Residue	COD						
		HRS	STD UNITS	°C	MI/L	MG/L	MG/L	MG/L	MG/L	MG/L						
1																
2	00	24				172			96							
3	00	24				168			118							
4	00	24				148			112							
5	00	24				176			114							
6	00	24				172			114							
7																
8																
9	00	24				108			102							
10	00	24				204			139							
11	00	24				160			158							
12	00	24				216			146							
13	00	24				120			68							
14																
15																
16	00	24				96			54							
17	00	24				112			120							
18	00	24				136			142							
19	00	24				160			128							
20	00	24				156			112							
21																
22																
23	00	24				308			156							
24	00	24				316			162							
25	00	24				220			212							
26	00	24				188			108							
27	00	24				308			170							
28																
29																
30																
31																
AVERAGE						182			127							
MONTHLY MAXIMUM						316			212							
MONTHLY MINIMUM						96			54							
SAMPLE TYPE C or G						C			C							

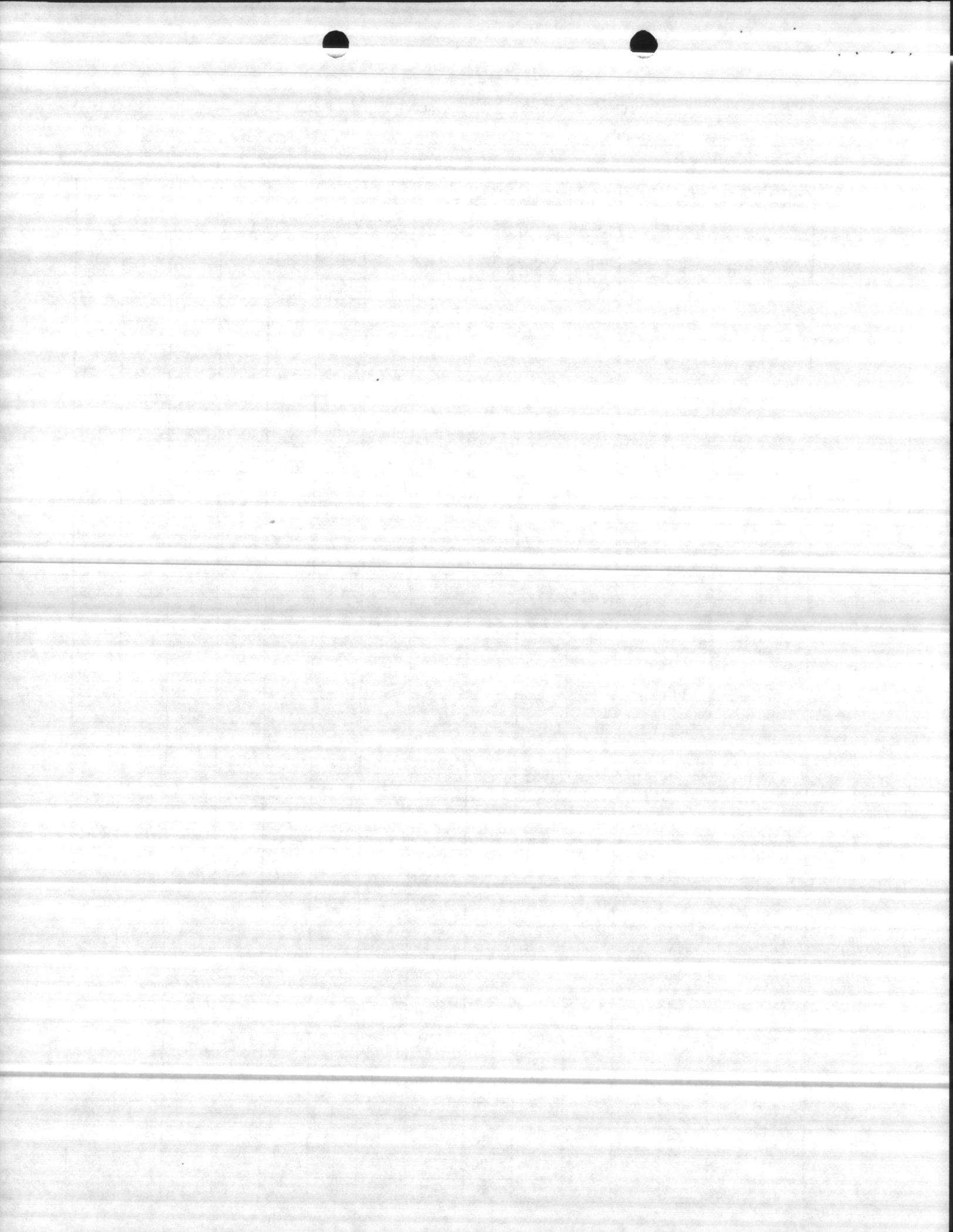


# Influent

NPDES NO: NC0063053 DISCHARGE NO: 001 MONTH: Feb. YEAR: 1987

FACILITY NAME: Onslow Beach STP COUNTY: Onslow

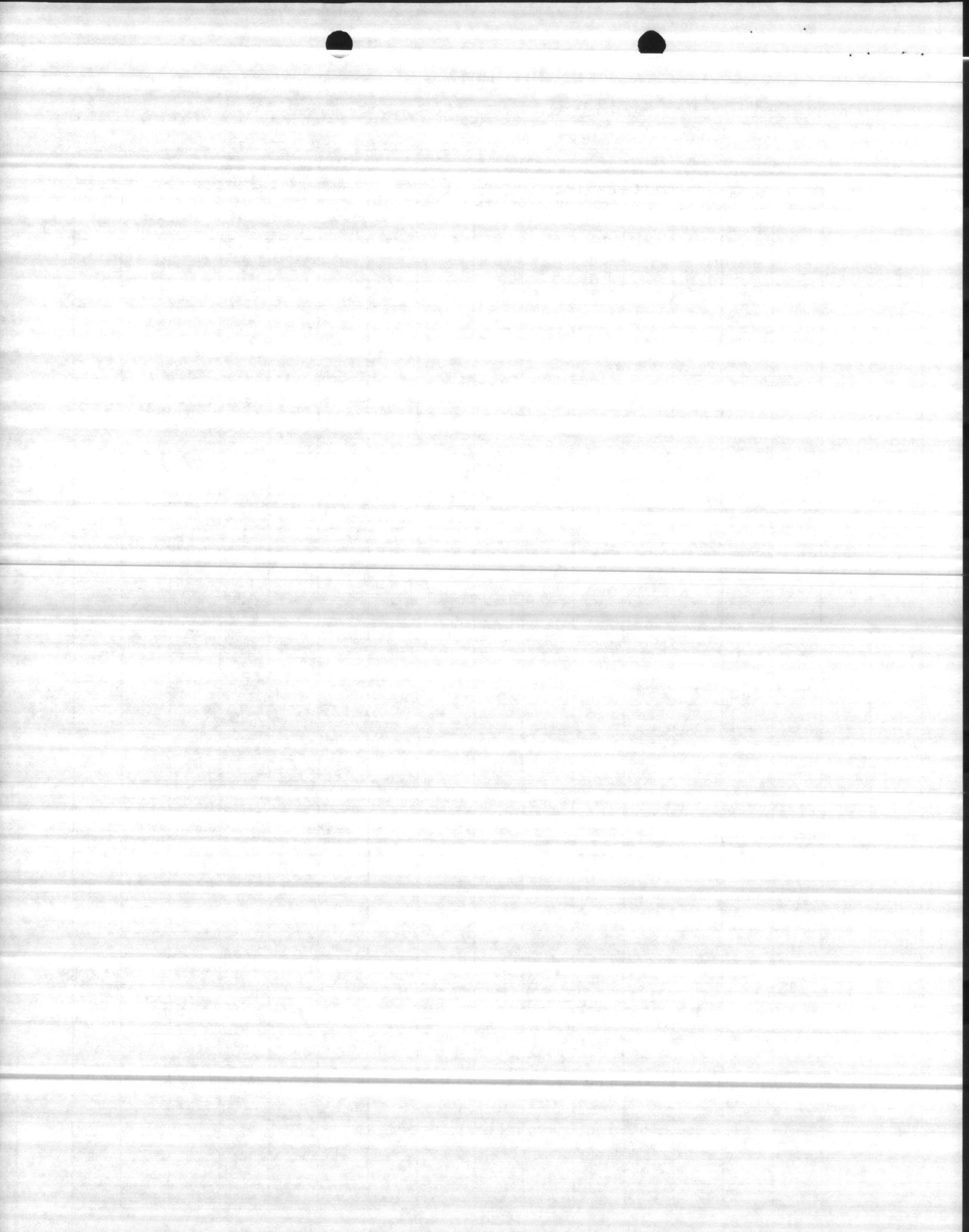
		00400	00010	00545	00310	00610	00500	00530	00340	ENTER PARAMETER CODE ABOVE & NAME AND UNITS BELOW						
Date	Time	Composite Time	PH	Temperature (Celsius)	Settleable Matter	BOD <sub>5</sub> 20 °C	Ammonia Nitrogen	Total Residue	Total Suspended Residue	COD						
		HRS	STD UNITS	°C	ML/L	MG/L	MG/L	MG/L	MG/L	MG/L						
1																
2																
3																
4																
5	00	24				108			84							
6																
7																
8																
9																
10																
11																
12	00	24				96			42							
13																
14																
15																
16																
17																
18																
19	00	24				68			29							
20																
21																
22																
23																
24																
25																
26	00	24				228			58							
27																
28																
29																
30																
31																
AVERAGE						125			53							
MONTHLY MAXIMUM						228			84							
MONTHLY MINIMUM						68			29							
SAMPLE TYPE C or G						C			C							



# Influent

NPDES NO: NC0063011 DISCHARGE NO: 001 MONTH: Feb. YEAR: 1987  
 FACILITY NAME: Camp Johnson (Montford Point) STP COUNTY: Onslow

		00400	00010	00545	00310	00610	00500	00530	00340	ENTER PARAMETER CODE ABOVE & NAME AND UNITS BELOW						
Date	Time	Composite Time	PH	Temperature (Celsius)	Settleable Matter	BOD <sub>5</sub> 20 °C	Ammonia Nitrogen	Total Residue	Total Suspended Residue	COD						
		HRS	STD UNITS	°C	MI/L	MG/L	MG/L	MG/L	MG/L	MG/L						
1																
2	00	24				204			96							
3																
4																
5																
6	00	24				128			190							
7																
8																
9	00	24				204			218							
10																
11																
12																
13	00	24				96			104							
14																
15																
16																
17	00	24				172			78							
18																
19																
20	00	24				156			45							
21																
22																
23	00	24				128			74							
24																
25																
26																
27	00	24				204			98							
28																
29																
30																
31																
AVERAGE						181			113							
MONTHLY MAXIMUM						204			218							
MONTHLY MINIMUM						96			45							
SAMPLE TYPE C or G						C			C							

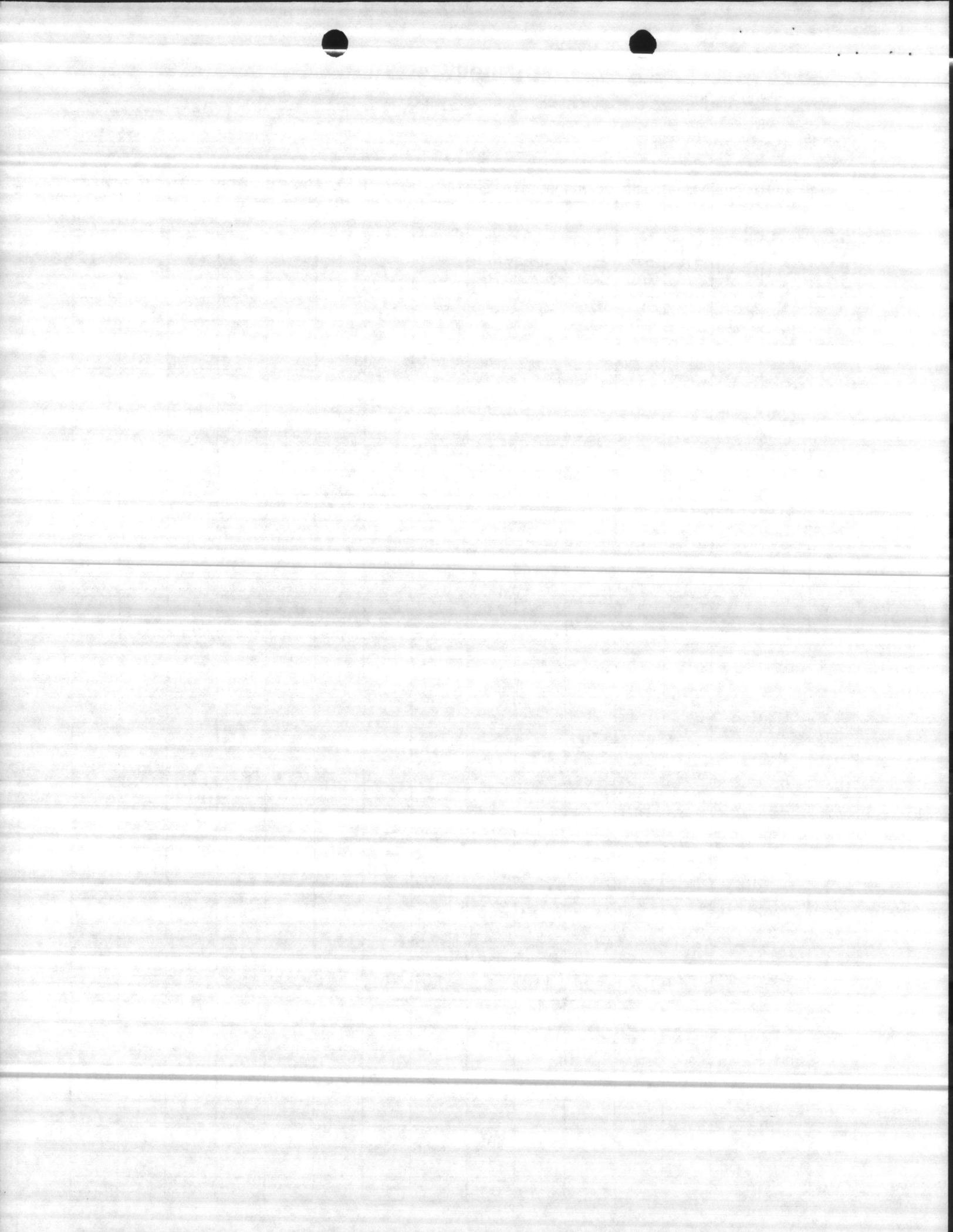


# Influent

NPDES NO: NC0063002 DISCHARGE NO: 001 MONTH: Feb. YEAR: 1987

FACILITY NAME: Tarawa Terrace STP COUNTY: Onslow

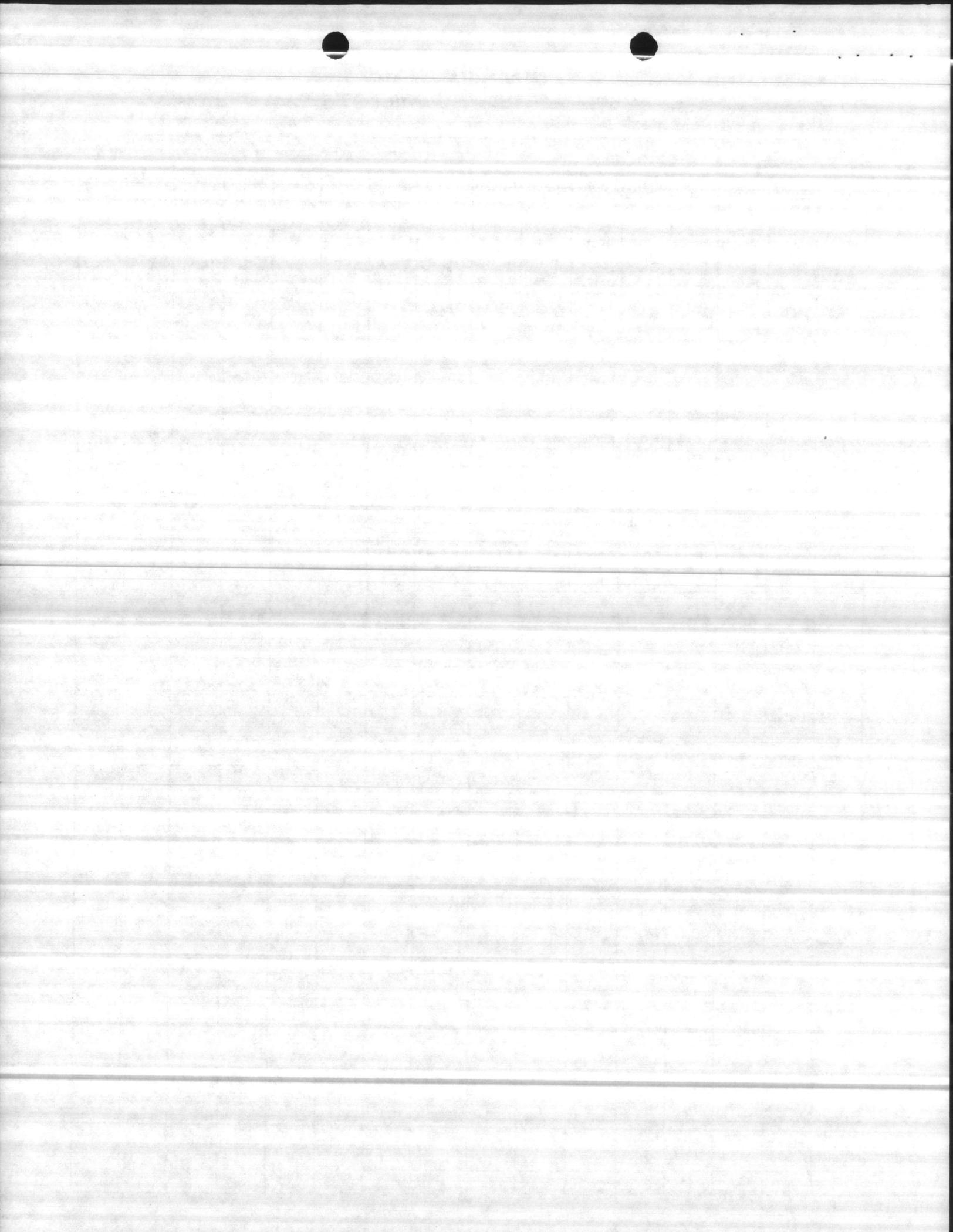
			00400	00010	00545	00310	00610	00500	00530	00340	ENTER PARAMETER CODE ABOVE & NAME AND UNITS BELOW								
Date	Time	Composite Time	PH	Temperature (Celsius)	Settleable Matter	BOD <sub>5</sub> 20 °C	Ammonia Nitrogen	Total Residue	Total Suspended Residue	COD									
			STD UNITS	°C	MI/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L								
1																			
2	00	24				168			644										
3	00	24				216			333										
4	00	24				312			1130										
5	00	24				248			344										
6	00	24				387			492										
7																			
8																			
9	00	24				208			456										
10	00	24				344			1090										
11	00	24				212			124										
12	00	24				344			240										
13	00	24				244			210										
14																			
15																			
16	00	24				328			316										
17	00	24				328			1245										
18	00	24				304			123										
19	00	24				332			144										
20	00	24				272			398										
21																			
22																			
23	00	24				280			164										
24	00	24				527			386										
25	00	24				573			1488										
26	00	24				493			868										
27	00	24				276			157										
28																			
29																			
30																			
31																			
AVERAGE						320			518										
MONTHLY MAXIMUM						573			1488										
MONTHLY MINIMUM						208			123										
SAMPLE TYPE C or G						C			C										



# Influent

NPDES NO: NC0063037 DISCHARGE NO: 001 MONTH: Feb. YEAR: 1987  
 FACILITY NAME: Rifle Range STP COUNTY: Onslow

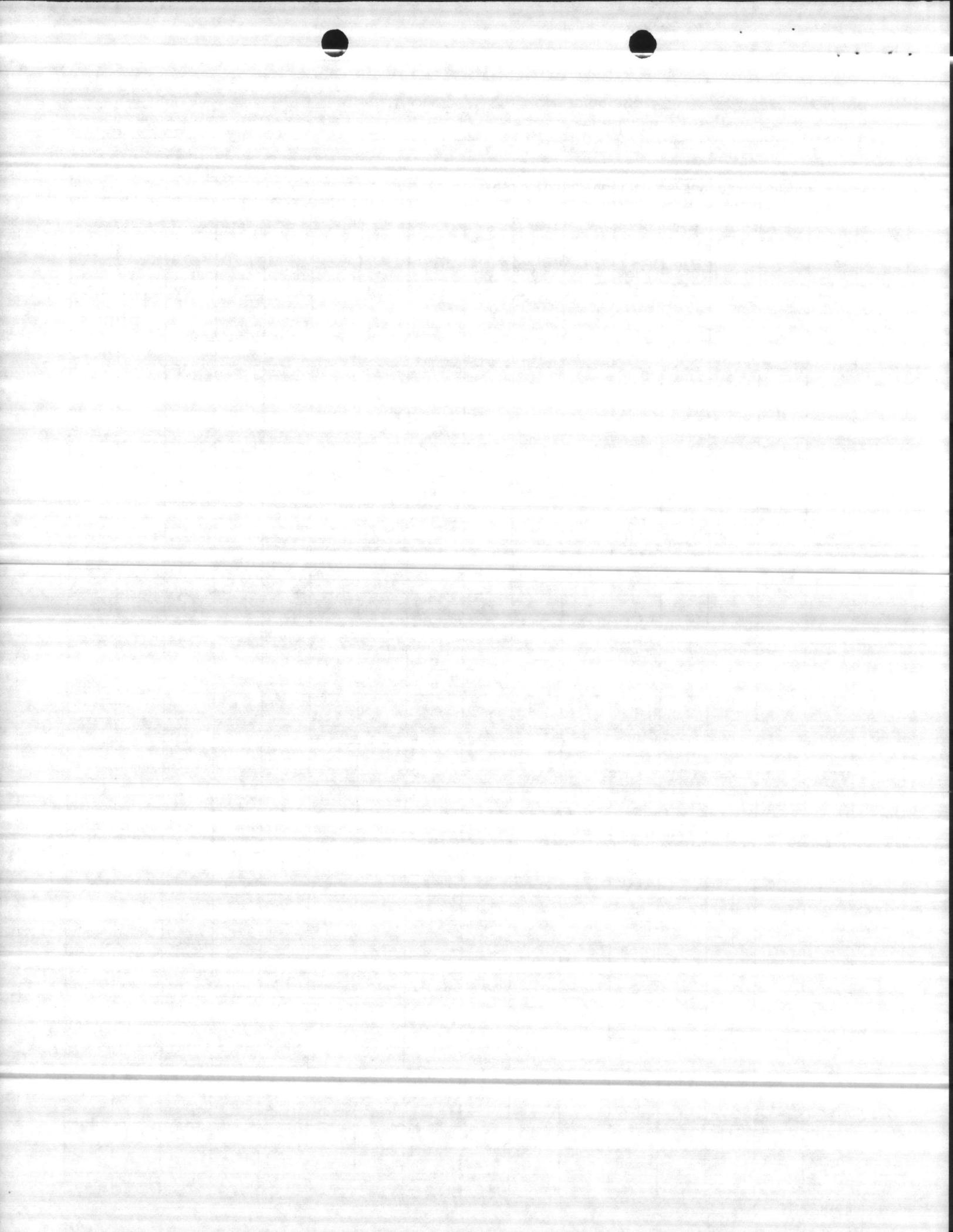
		00400	00010	00545	00310	00610	00500	00530	00340	ENTER PARAMETER CODE ABOVE & NAME AND UNITS BELOW					
Date	Time	PH	Temperature (Celsius)	Settleable Matter	BOD <sub>5</sub> 20 °C	Ammonia Nitrogen	Total Residue	Total Suspended Residue	COD						
	Composite Time									STD UNITS	°C	MI/L	MG/L	MG/L	MG/L
1															
2															
3															
4	00	24			52			162							
5															
6															
7															
8															
9															
10															
11	00	24			72			88							
12															
13															
14															
15															
16															
17															
18	00	24			28			100							
19															
20															
21															
22															
23															
24															
25	00	24			196			508							
26															
27															
28															
29															
30															
31															
AVERAGE					87			215							
MONTHLY MAXIMUM					196			508							
MONTHLY MINIMUM					28			88							
SAMPLE TYPE C or G					C			C							



# Influent

NPDES NO: NC0063045 DISCHARGE NO: 001 MONTH: Feb. YEAR: 1987  
 FACILITY NAME: Courthouse Bay STP COUNTY: Onslow

		00400	00010	00545	00310	00610	00500	00530	00340	ENTER PARAMETER CODE ABOVE & NAME AND UNITS BELOW						
Date	Time	Composite Time	PH	Temperature (Celsius)	Settleable Matter	BOD <sub>5</sub> 20 °C	Ammonia Nitrogen	Total Residue	Total Suspended Residue	COD						
		HRS	STD UNITS	°C	MI/L	MG/L	MG/L	MG/L	MG/L	MG/L						
1																
2																
3	00	24				100			64							
4																
5																
6																
7																
8																
9																
10	00	24				152			315							
11																
12																
13																
14																
15																
16																
17	00	24				88			76							
18																
19																
20																
21																
22																
23																
24	00	24				88			32							
25																
26																
27																
28																
29																
30																
31																
AVERAGE						107			122							
MONTHLY MAXIMUM						152			315							
MONTHLY MINIMUM						88			32							
SAMPLE TYPE C or G						C			C							



NPDES NO: NC0003239 CHARGE NO: 001 MONTH: Feb. YEAR: 1987

FACILITY NAME: Camp Geiger STP COUNTY: Onslow

STREAM: New River STREAM: New River

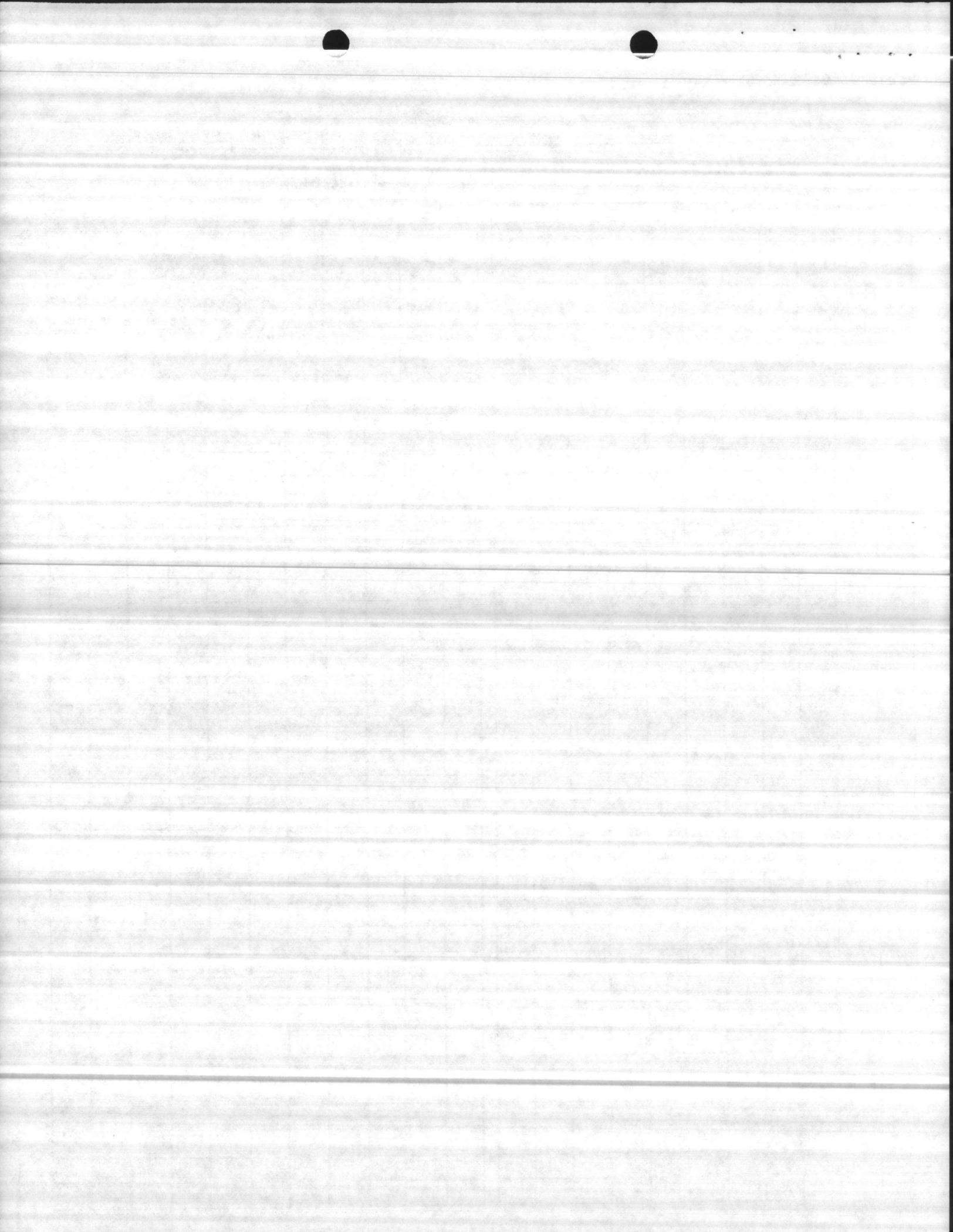
LOCATION: RW01 - At Hughes Marina LOCATION: RW04 - Hospital Point

## Upstream

## Downstream

Date	Time 2400 Clock	00010	00300	00400	00310	00340	31616	00350	Enter Parameter Code above Name and Units Below		
		Temperature (Celsius)	Dissolved Oxygen	PH	BOD5 20°C	COD	Fecal Coliform *Geometric Mean	OIL & GREASE			
	HRS	°C	MG/L	STD UNITS	MG/L	MG/L	100 ml	MG/L			
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25	09	8	9.2	7.3	3.1		800	0			
26											
27											
28											
29											
30											
31											
Average	8	9.2			3.1		800	0			
Monthly Maximum	8	9.2	7.3		3.1		800	0			
Monthly Minimum	8	9.2	7.3		3.1		800	0			

Date	Time 2400 Clock	00010	00300	00400	00310	00340	31616	00350	Enter Parameter Code above Name and Units Below		
		Temperature (Celsius)	Dissolved Oxygen	PH	BOD5 20°C	COD	Fecal Coliform *Geometric Mean	OIL & GREASE			
	HRS	°C	MG/L	STD UNITS	MG/L	MG/L	100 ml	MG/L			
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25	10	8	12.5	8.2	8.1		50	0			
26											
27											
28											
29											
30											
31											
Average	8	12.5			8.1		50	0			
Monthly Maximum	8	12.5	8.2		8.1		50	0			
Monthly Minimum	8	12.5	8.2		8.1		50	0			



\* NPDES NO: NC0063002

DISCHARGE NO: 001

MONTH: Feb.

YEAR: 1987

FACILITY NAME: Tarawa Terrace STP

COUNTY: Onslow

STREAM: Northeast Creek

STREAM: Northeast Creek

LOCATION: RW02 - At Highway 24 Bridge

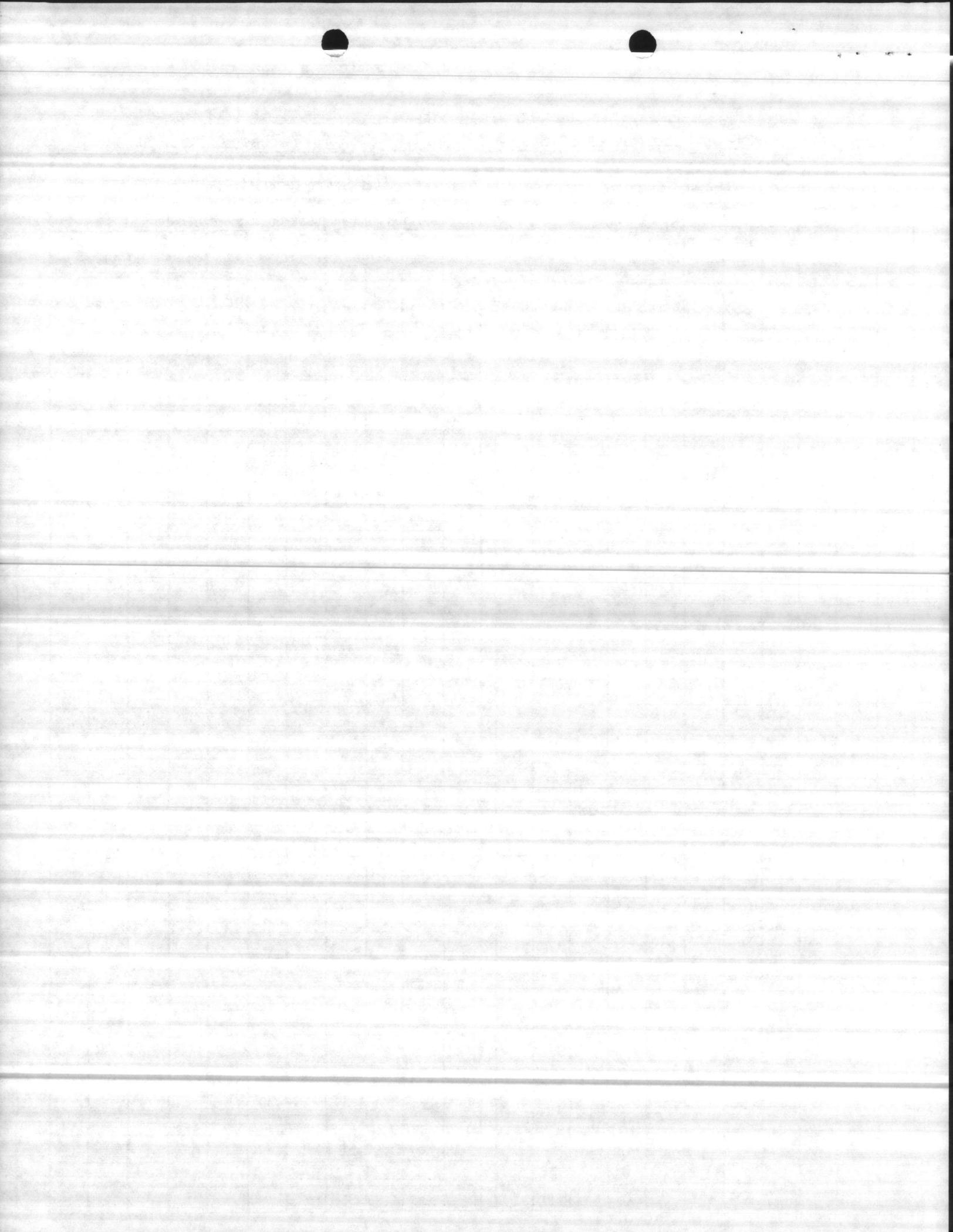
LOCATION: RW03 - Between TT and CJ

### Upstream

### Downstream

Date	Time 2400 Clock	00010	00300	00400	00310	00340	31616	60556	Enter Parameter Code above Name and Units Below	
		Temperature (Celsius)	Dissolved Oxygen	PH	BOD5 20°C	COD	Fecal Coliform *Geometric Mean	01 & 02 & 03 &	04 & 05 & 06 &	
	HRS	°C	MG/L	STD UNITS	MG/L	MG/L	100 ml	MG/L		
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25	10	10	13.0	7.7	11.7		70	0		
26										
27										
28										
29										
30										
31										
Average	10	10	13.0	7.7	11.7		70	0		
Monthly Maximum			13.0	7.7	11.7		70	0		
Monthly Minimum			13.0	7.7	11.7		70	0		

Date	Time 2400 Clock	00010	00300	00400	00310	00340	31616	60556	Enter Parameter Code above Name and Units Below	
		Temperature (Celsius)	Dissolved Oxygen	PH	BOD5 20°C	COD	Fecal Coliform *Geometric Mean	01 & 02 & 03 &	04 & 05 & 06 &	
	HRS	°C	MG/L	STD UNITS	MG/L	MG/L	100 ml	MG/L		
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25	10	9	12.4	8.0	12.3		60	0		
26										
27										
28										
29										
30										
31										
Average		9	12.4	8.0	12.3		60	0		
Monthly Maximum		9	12.4	8.0	12.3		60	0		
Monthly Minimum		9	12.4	8.0	12.3		60	0		



NPDES NO: NC0063011 DISCHARGE NO: 001 MONTH: Feb. YEAR: 1987

FACILITY NAME: Camp Johnson (Montford Point) STP COUNTY: Onslow

STREAM: Northeast Creek STREAM: New River

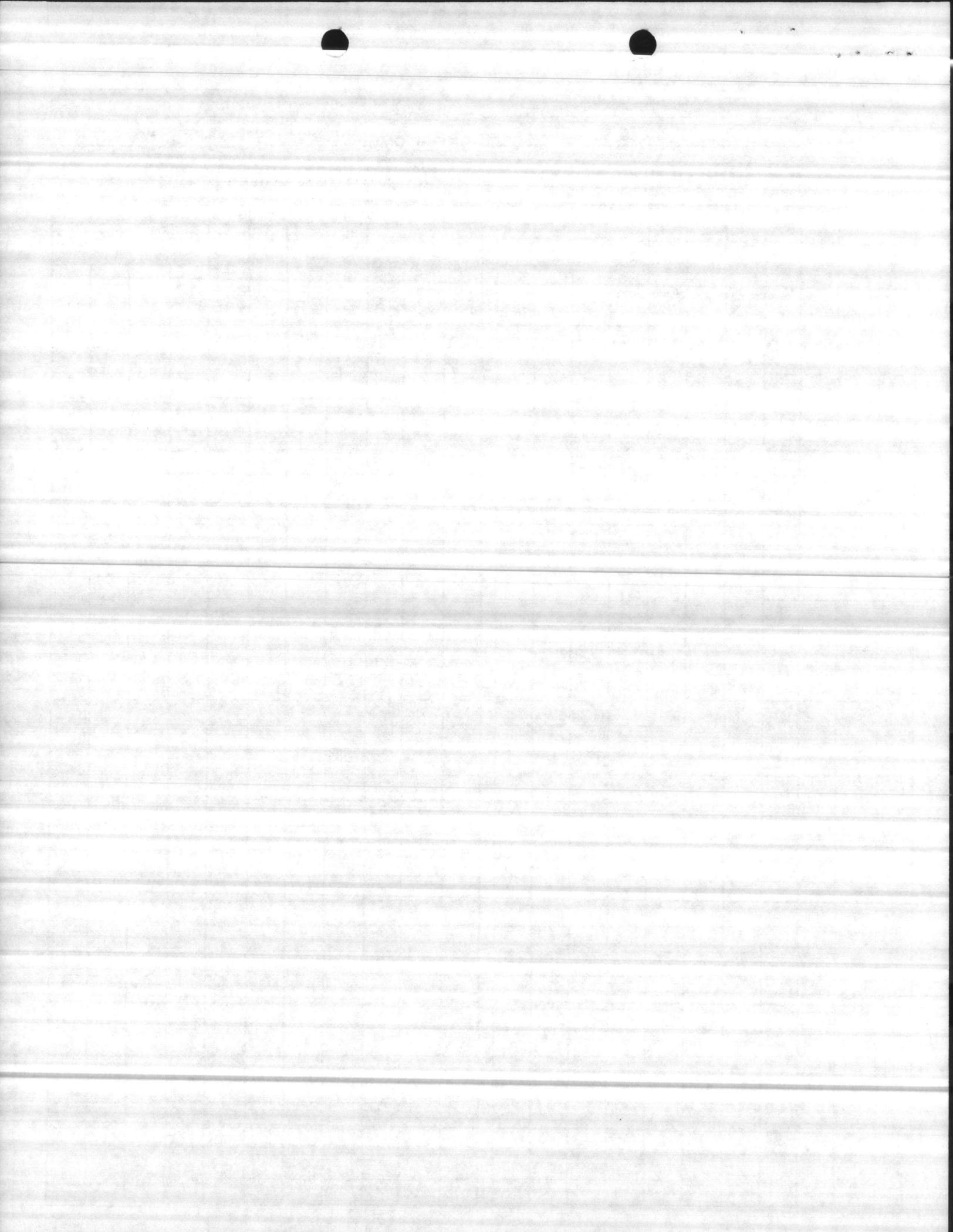
LOCATION: RW03 - Between TT and CJ LOCATION: RW04 - Hospital Point

## Upstream

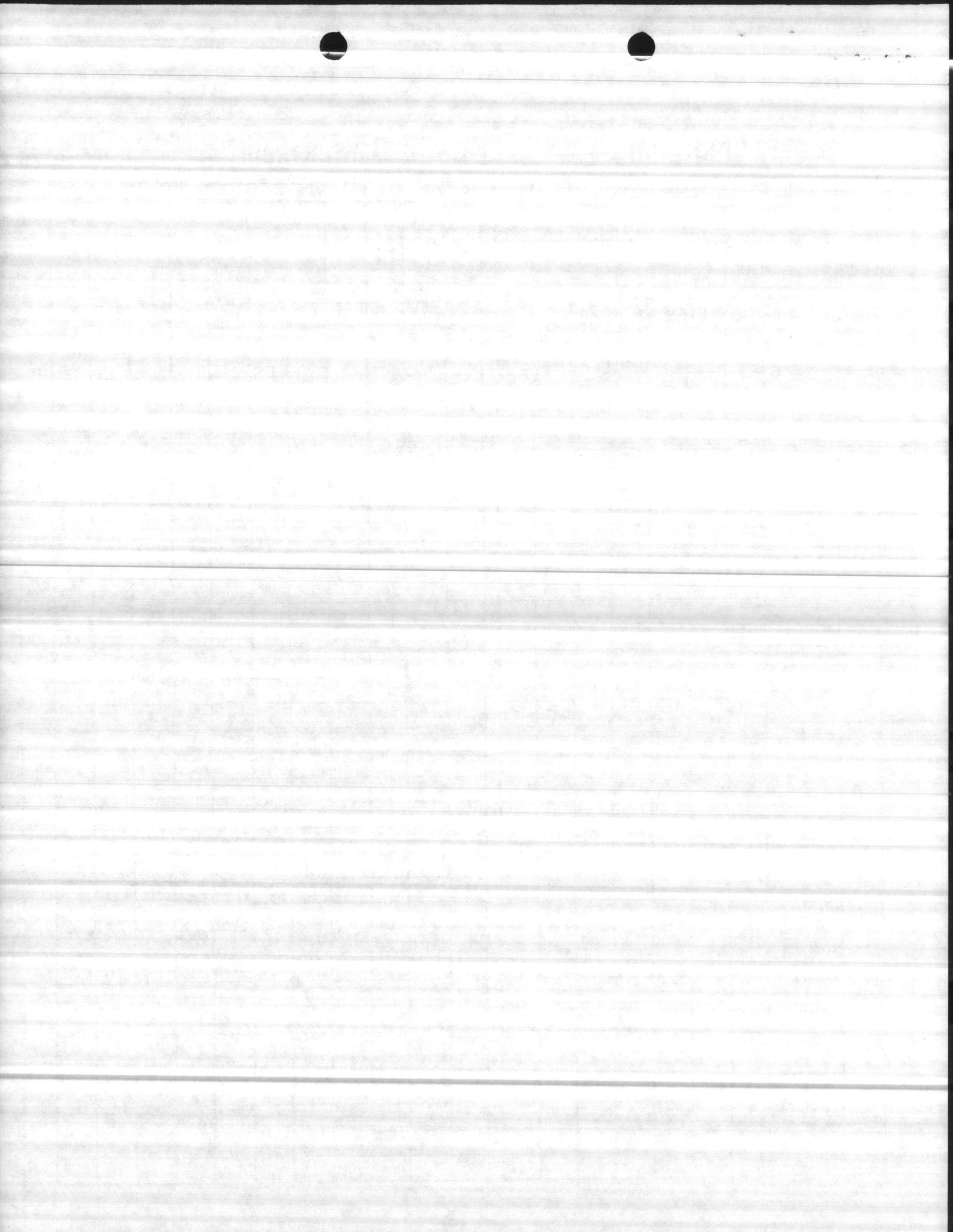
## Downstream

Date	Time 2400 Clock	Enter Parameter Code above Name and Units Below																			
		Temperature (Celsius)	Dissolved Oxygen	PH	BOD <sub>5</sub> 20°C	COD	Fecal Coliform *Geometric Mean	00536													
		°C	MG/L	STD UNITS	MG/L	MG/L	100 ml	MG/L													
1																					
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					
13																					
14																					
15																					
16																					
17																					
18																					
19																					
20																					
21																					
22																					
23																					
24																					
25	10	9	12.4	8.0	12.3		60	0													
26																					
27																					
28																					
29																					
30																					
31																					
Average		9	12.4	8.0	12.3		60	0													
Monthly Maximum		9	12.4	8.0	12.3		60	0													
Monthly Minimum		9	12.4	8.0	12.3		60	0													

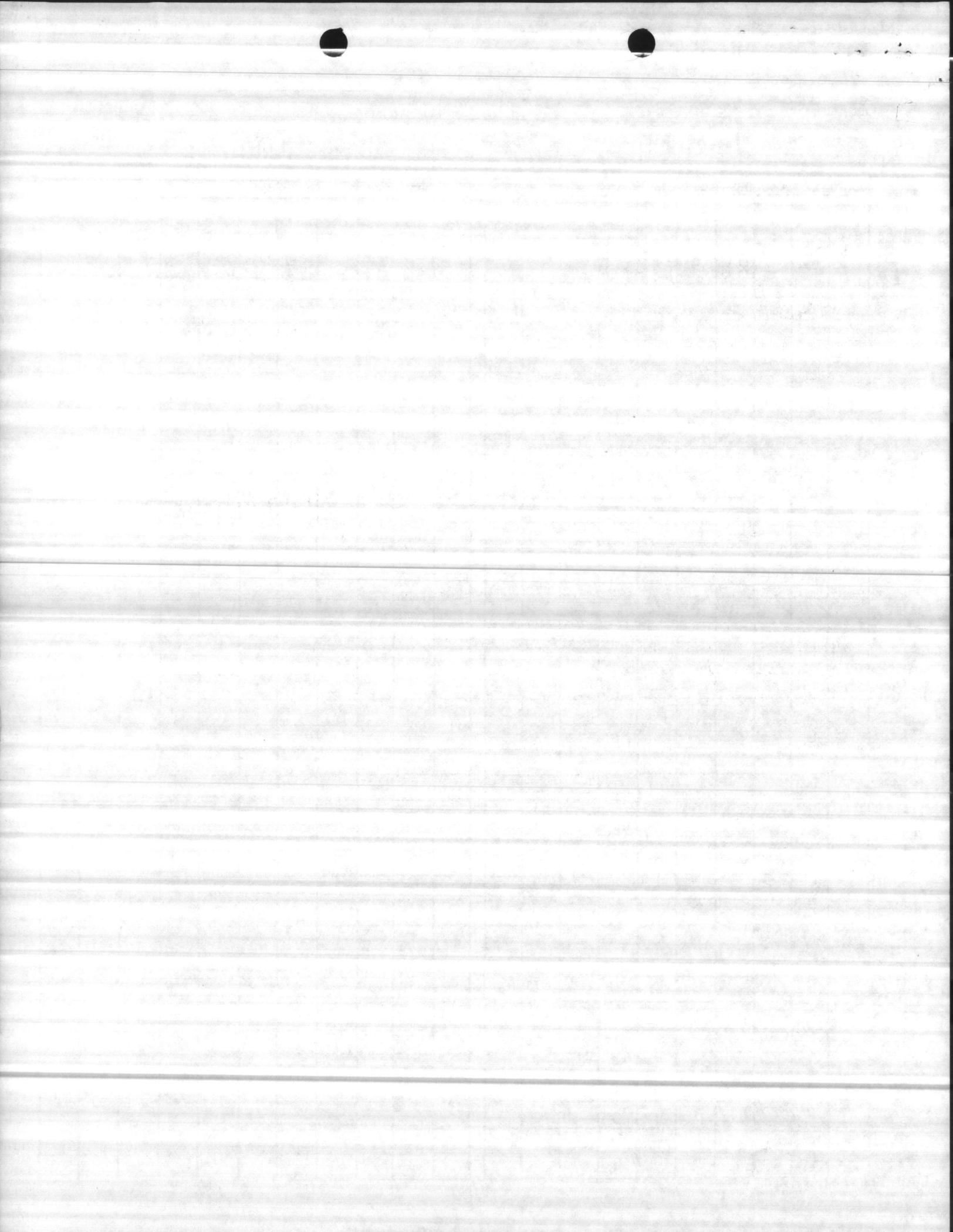
Date	Time 2400 Clock	Enter Parameter Code above Name and Units Below																			
		Temperature (Celsius)	Dissolved Oxygen	PH	BOD <sub>5</sub> 20°C	COD	Fecal Coliform *Geometric Mean	00536													
		°C	MG/L	STD UNITS	MG/L	MG/L	100 ml	MG/L													
1																					
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					
13																					
14																					
15																					
16																					
17																					
18																					
19																					
20																					
21																					
22																					
23																					
24																					
25	10	8	12.5	8.2	8.1		50	0													
26																					
27																					
28																					
29																					
30																					
31																					
Average		8	12.5	8.2	8.1		50	0													
Monthly Maximum		8	12.5	8.2	8.1		50	0													
Monthly Minimum		8	12.5	8.2	8.1		50	0													











6288  
NREAD  
22 Apr 87

Mr. Paul Wilms, Director  
Division of Environmental Management  
NC Department of Natural Resources  
and Community Development  
Post Office Box 27687  
Raleigh, North Carolina 27611

Dear Sir:

In accordance with requirements of the National Pollutant Discharge Elimination System (NPDES) Permit Number NC0003239, two copies of Discharge Monitoring Reports (DMRs) for the month of March 1987 are submitted.

There is no stream sampling for the Onslow Beach Wastewater Treatment Plant or downstream analysis for the Courthouse Bay Wastewater Treatment Plant due to inclement weather, i.e., high winds, which halted sampling run.

The storm drains listed on the enclosed table may be correlated with base geography and facilities by referring to maps with numbered storm drain monitoring points that have been previously provided. Storm drains that have no values reported for the quarter were checked; however, each time they were checked they were either dry or had no flow. The Base Environmental staff is continuing to work on operational control methodology to reduce oil and grease and total suspended residue discharges. New construction to replace outdated base facilities should further reduce oil and grease and total suspended residue discharges.

Questions regarding this report should be forwarded to Ms. Elizabeth Betz, Supervisory Chemist, Natural Resources and Environmental Affairs Division, Assistant Chief of Staff, Facilities at (919) 451-5977.

Sincerely,

J. I. WOOTEN  
Director, Natural Resources Division  
By direction of the Commanding General

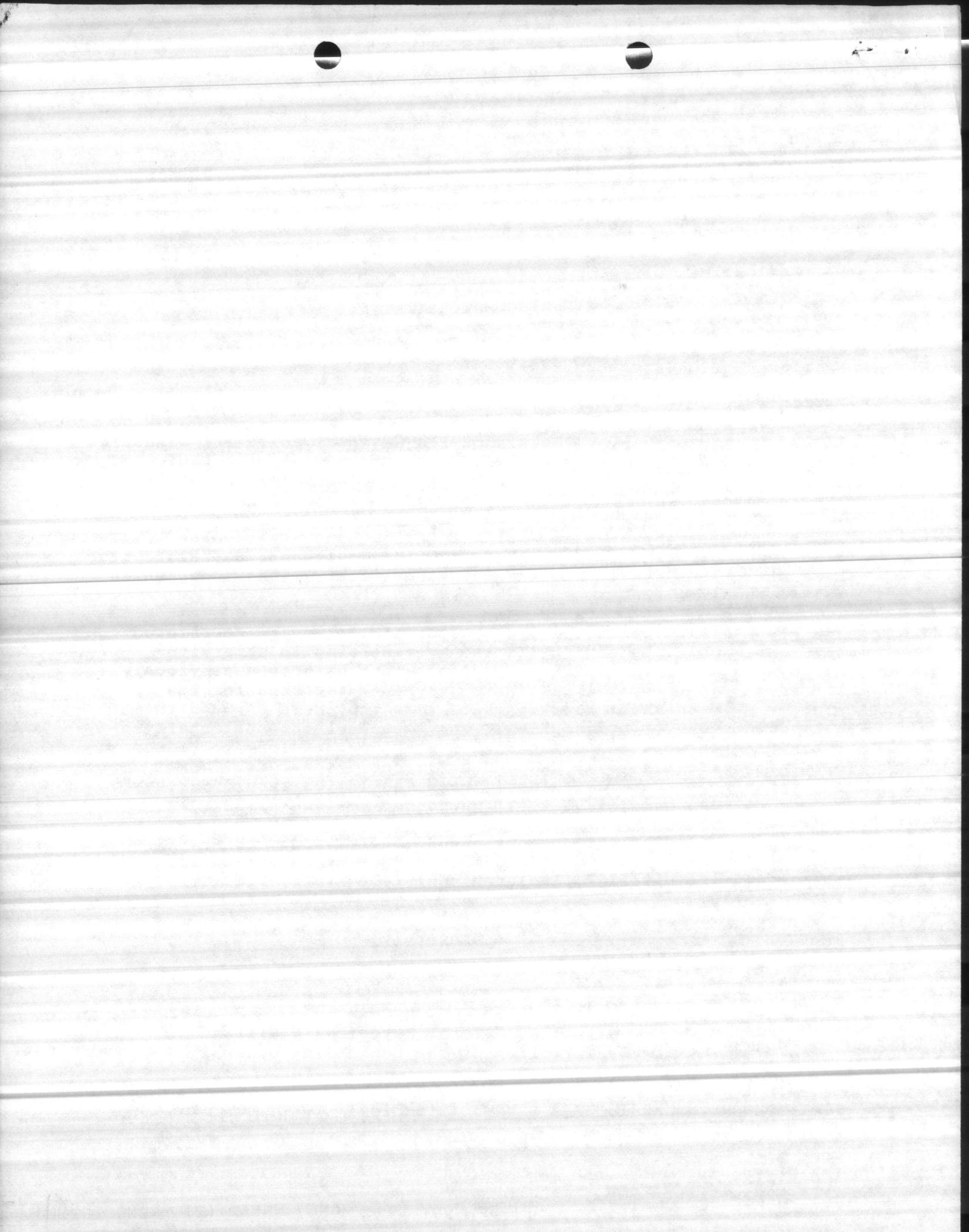
Encls:

(1) DEM Forms MR-1, MR-2 & MR-3 (2 copies)

Copy to:  
EPA Region IV  
CMDR LANTNAVFACENGCOM  
NEESA

Writer/Typist Betz/Cranock  
Date Typed 22 Apr 87  
Word Processor Number 6288-L

Blind Copy to: ECML, NREAD (2) BMO (UTILDIR)



# EFFLUENT

**NPDES PERMIT NO:** NC0003239 **DISCHARGE NO:** 001 **MONTH:** March **YEAR:** 1987  
**FACILITY NAME:** Camp Geiger STP **CLASS:** III **COUNTY:** Onslow  
**OPERATOR IN RESPONSIBLE CHARGE (ORC):** Mack D. Davis **GRADE:** IV  
**CERTIFIED LABORATORY:** Environmental Chemistry and Microbiology Laboratory

**PERSON(S) COLLECTING SAMPLES:** STP Operators

CHECK BLOCK IF ORC HAS CHANGED

Mail original and one copy to:  
 ATT: Central Files  
 Division of Environmental Management  
 NC Department of NRCD  
 PO Box 27687  
 Raleigh, North Carolina 27611

I CERTIFY THAT THIS REPORT  
 IS ACCURATE AND COMPLETE TO  
 THE BEST OF MY KNOWLEDGE.

X \_\_\_\_\_  
 Signature of operator in responsible charge

DATE	TIME 2400 CLOCK	COMPOSITE TIME	50050	00010	00403	00545	50060	00310	00340	00610	00500	00530	31616	00300	00554 00602 00646		
			FLOW	TEMPERATURE CELSIUS	PH	SETTLABLE MATTER	RESIDUAL CHLORINE	BOD5 20°C	COD	AMMONIA NITROGEN	TOTAL RESIDUE	TOTAL SUSPENDED RESIDUE	FECAL COLIFORM Geometric Mean	DISSOLVED OXYGEN	ENTER PARAMETER CODE ABOVE NAME AND UNITS BELOW		
			EFF <input checked="" type="checkbox"/>												INF <input type="checkbox"/>	DAILY RATE	OIL & GREASE
HRS	MGD	C°	UNIT	ML/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	/100 ML	MG/L	MG/L	MG/L	MG/L	
1	0024	2.4548	18	7.0		4.0							10.0				
2	0024	1.9113	19	6.5		4.0	21			7.1		38	0	11.0			
3	0024	1.7221	17	6.8		4.0	26			7.9		16	0	10.5			
4	0024	1.5803		6.8		4.0	20			12.7		20	2	9.0			
5	0024	1.2050		6.5		4.0	11			10.6		7	0	9.8			
6	0024	1.3235		6.8		4.0	8			11.4		4	0	7.7			
7	0024	1.1334		7.0		4.0	8							8.0			
8	0024	1.2409		6.6		4.0								8.2			
9	0024	1.2010		6.8		4.0	15			10.7		9	2	8.1			
10	0024	1.1390	19	6.4		4.0	14			12.8		9	0	9.2			
11	0024	1.2351	12	7.0		4.0	8			12.3		4	0	7.2	0		
12	0024	1.1644	12	7.0		4.0	10			14.7		6	0	7.0		0.5	
13	0024	1.1275	23	7.1		3.5	18			12.4		12	0	6.6			
14	0024	1.0126	22	6.6		4.0								8.4			
15	0024	1.1748	11	6.8		4.0								8.0			
16	0024	.93570	25	6.6		4.0	5			15.1		3	0	8.0			
17	0024	1.0571	22	6.8		4.0	25			13.5		15	0	8.2			
18	0024	1.2363	15	6.8		3.0	27			13.5		11	0	4.5			
19	0024	1.2339	15	6.6		4.0	22			12.9		16	2	7.0			
20	0024	1.0422	15	6.6		4.0	14			7.8		8	0	7.0			
21	0024	1.0395	15	6.8		4.0								7.0			
22	0024	1.1449	15	7.0		4.0								7.0			
23	0024	1.0533	16	7.0		3.0	10			12.7		12	0	7.0	0.8		
24	0024	1.0557	16	7.0		4.0	13			11.9		7	0	7.0			
25	0024	1.4530	17	6.8		4.0	10			12.3		2	0	7.8			
26	0024	.9670	18	6.4		4.0	10			14.2		8	0	7.2			
27	0024	.9144	18	6.6		4.0	19			13.0		12	0	7.8			
28	0024	1.0271	18	6.8		4.0								7.0			
29	0024	1.1355	18	6.8		4.0								7.4			
30	0024	1.2909	19	6.8		4.0	11			12.8		8	0	6.8		18.3	
31	0024	1.1885	19	6.6		4.0	11			12.7		6	0	7.2			
<b>Average</b>		1.2387	18			3.9	15			12.6		10	1.10	7.8	0.4	18.3	
<b>Max.</b>		2.4548	25	7.0		4.0	27			15.1		38	2	11.0	0.8	18.3	
<b>Min.</b>		.9144	12	6.4		3.0	5			7.1		2	0	4.5	0	18.3	
<b>Comp.(C)/Grab(G)</b>				G		G	C			C		C	G		G	C	
<b>Monthly Limit</b>				6.0			30					30	200				

ENCLOSURE

Facility Status: ( Please check one of the following)

All monthly averages and / or other limitation do meet permit monitoring requirements  ( Compliant)

All monthly averages and / or other limitation do not meet permit monitoring requirements  ( Noncompliant)

If the facility is noncompliant, please comment on corrective actions being taken in respect to equipment, operation, maintenance, etc. and a time table for improvements to be made.  
( Attach additional sheets if necessary)

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I certify that this Report is accurate and complete to the best of my knowledge:

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Signature of Permittee

**PARAMETER CODES**

00010 Temperature	00556 Oil and Grease	00950 Dissolved Fluoride	01077 Silver	39516 PCBS
00065 Stream Stage	00600 Total Nitrogen	01002 Total Arsenic	01087 Total Vanadium	39941 Roundup
00076 Turbidity	00610 Ammonia Nitrogen	01027 Cadmium	01092 Zinc	50047 Max. flow during 24-hr. period
00300 Dissolved Oxygen	00625 Total Kjeldahl Nitrogen	01032 Hexavalent Chromium	01105 Total Aluminum	50048 Min. flow during 24-hr. period
00310 BOD <sub>5</sub>	00665 Total Phosphorous	01034 Chromium	01147 Total Selenium	50050 Flow
00340 COD	00720 Cyanide	01037 Total Cobalt	31504 Total Coliform	50060 Total Residual Chlorine
00400 pH	00745 Total Sulfide	01042 Copper	31614 Fecal Coliform, MPN, Tube	71880 Formaldehyde
00500 Total Solids	00927 Total Magnesium	01045 Total Iron	31616 Fecal Coliform	71900 Mercury
00530 TSS	00929 Total Sodium	01051 Lead	32730 Total Phenolics	81318 Ferrocyanides
00545 Settleable Solids	00940 Total Chloride	01067 Nickel	38260 MBAS	85652 Time

The monthly average for fecal coliform is to be reported as a geometric MEAN.

If using alternate units for reporting data, please designate.

# EFFLUENT

**NPDES PERMIT NO:** NC0063002    **DISCHARGE NO:** 001    **MONTH:** March    **YEAR:** 1987  
**FACILITY NAME:** Tarawa Terrace STP    **CLASS:** III    **COUNTY:** Onslow  
**OPERATOR IN RESPONSIBLE CHARGE (ORC):** Mack D. Davis    **GRADE:** IV  
**CERTIFIED LABORATORY:** Environmental Chemistry and Microbiology Laboratory

**PERSON(S) COLLECTING SAMPLES:** STP Operators

CHECK BLOCK IF ORC HAS CHANGED

Mail original and one copy to:  
 ATT: Central Files  
 Division of Environmental Management  
 N C Department of NRCD  
 PO Box 27687  
 Raleigh, North Carolina 27611

I CERTIFY THAT THIS REPORT  
 IS ACCURATE AND COMPLETE TO  
 THE BEST OF MY KNOWLEDGE.

X

Signature of operator in responsible charge

DATE	TIME 2400 CLOCK	COMPOSITE TIME	50050	00010	00400	00545	50060	00310	00340	00610	00500	00530	316'6	00300	00506	00100	00465	ENTER PARAMETER CODE ABOVE NAME AND UNITS BELOW		
			FLOW EFF <input checked="" type="checkbox"/>	TEMPERATURE CELSIUS	PH	SETTLABLE MATTER	RESIDUAL CHLORINE	BOD5 20°C	COD	AMMONIA NITROGEN	TOTAL RESIDUE	TOTAL SUSPENDED RESIDUE	FECAL COLIFORM	DISSOLVED OXYGEN	OIL & GREASE	TOTAL NITROGEN	TOTAL PHOSPHORUS			
			DAILY RATE															MGD	C°	UNIT
1	00	24	1.3921	15	6.6		4.0							11.0						
2	00	24	.8351	15	6.2		5.0	11		6.1		6	0	9.7						
3	00	24	.7257	15	6.7		4.0	11		3.3		9	0	9.5						
4	00	24	.6390	14	6.6		4.0	11		3.6		10	2	9.7						
5	00	24	.6169	12	6.6		5.0	11		7.8		2	0	9.8						
6	00	24	.5696	12	6.6		4.0	10		5.6		2	0	9.4						
7	00	24	.6108	12	6.6		4.0							9.6						
8	00	24	.6967	14	6.5		4.0							9.8						
9	00	24	.7512	12	6.6		4.5	10		7.1		7	0	9.6						
10	00	24	.5727	12	6.6		4.0	11		5.4		12	0	9.8						
11	00	24	.5270	12	6.6		4.0	13		6.1		6	0	9.7	0.7					
12	00	24	.6111	12	6.6		4.5	12		6.4		9	0	10.0				6.2		
13	00	24	.5726	13	6.4		4.5	10		7.5		5	0	10.0						
14	00	24	.5750	13	6.5		4.0							9.9						
15	00	24	.6998	13	6.4		4.0							9.8						
16	00	24	.7137	15	6.7		4.5	19		7.7		14	0	10.0						
17	00	24	.7049	13	6.6		4.5	34		8.3		8	0	9.8						
18	00	24	.6229	13	6.7		4.5	17		5.7		13	0	10.4						
19	00	24	.8257	15	6.6		3.0	16		8.5		12	2	9.8						
20	00	24	.6613	14	6.4		4.0	19		3.2		9	6	10.4						
21	00	24	.6645	14	6.5		4.0							9.9						
22	00	24	.6884	15	6.6		4.0							10.0						
23	00	24	.6509	14	6.6		4.0	16		4.4		10	0	9.9	3.4					
24	00	24	.6999	15	6.6		4.0	17		6.3		13	0	10.0						
25	00	24	.6563	15	6.6		4.0	14		4.5		9	0	9.8						
26	00	24	.7777	15	6.8		5.0	14		1.3		8	0	9.4						
27	00	24	.7804	15	6.7		4.0	13		9.6		9	0	9.1						
28	00	24	.7771	15	6.5		4.0							9.6						
29	00	24	.7361	15	6.6		4.0							9.8						
30	00	24	.8610	17	6.9		4.0	14		5.1		10	0	9.6				15.0		
31	00	24	.7566	17	6.8		4.0	12		5.9		9	0	9.7						
<b>Average</b>			.70870	14			4.2	14		5.9		9	1.16	9.8	2.1	15.0	6.2			
<b>Max.</b>			1.3921	17	6.9		5.0	34		9.6		13	6	10.4	3.4	15.0	6.2			
<b>Min.</b>			.5270	12	6.2		3.0	10		1.3		2	0	9.1	0.7	15.0	6.2			
<b>Comp.(C)/ Grab(G)</b>					G		G	C		C		C	G	G	G	C	C			
<b>Monthly Limit</b>					6-8	5		30				30	1000	5.0	30					

ENCLOSURE

Facility Status: ( Please check one of the following)

All monthly averages and / or other limitation do meet permit monitoring requirements  ( Compliant)

All monthly averages and / or other limitation do not meet permit monitoring requirements  ( Noncompliant)

If the facility is noncompliant, please comment on corrective actions being taken in respect to equipment, operation, maintenance, etc. and a time table for improvements to be made.  
( Attach additional sheets if necessary)

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I certify that this Report is accurate and complete to the best of my knowledge:

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Signature of Permittee

PARAMETER CODES

00010 Temperature	00556 Oil and Grease	00950 Dissolved Fluoride	01077 Silver	39516 PCBS
00065 Stream Stage	00600 Total Nitrogen	01002 Total Arsenic	01087 Total Vanadium	39941 Roundup
00076 Turbidity	00610 Ammonia Nitrogen	01027 Cadmium	01092 Zinc	50047 Max. flow during 24-hr. period
00300 Dissolved Oxygen	00625 Total Kjeldahl Nitrogen	01032 Hexavalent Chromium	01105 Total Aluminum	50048 Min. flow during 24-hr. period
00310 BOD <sub>5</sub>	00665 Total Phosphorous	01034 Chromium	01147 Total Selenium	50050 Flow
00340 COD	00720 Cyanide	01037 Total Cobalt	31504 Total Coliform	50060 Total Residual Chlorine
00400 pH	00745 Total Sulfide	01042 Copper	31614 Fecal Coliform, MPN, Tube	71880 Formaldehyde
00500 Total Solids	00927 Total Magnesium	01045 Total Iron	31616 Fecal Coliform	71900 Mercury
00530 TSS	00929 Total Sodium	01051 Lead	32730 Total Phenolics	81318 Ferrocyanides
00545 Settleable Solids	00940 Total Chloride	01067 Nickel	38260 MBAS	85652 Time

The monthly average for fecal coliform is to be reported as a geometric MEAN.

If using alternate units for reporting data, please designate.

# EFFLUENT

**NPDES PERMIT NO:** NC0003239    **DISCHARGE NO:** 014    **MONTH:** March    **YEAR:** 1987  
**FACILITY NAME:** Onslow Beach WTP Pond    **CLASS:**         **COUNTY:** Onslow  
**OPERATOR IN RESPONSIBLE CHARGE (ORC):** Mack D. Davis    **GRADE:** IV  
**CERTIFIED LABORATORY:** Environmental Chemistry and Microbiology Laboratory

**PERSON(S) COLLECTING SAMPLES:** WTP Operators

CHECK BLOCK IF ORC HAS CHANGED

Mail original and one copy to:  
 ATT: Central Files  
 Division of Environmental Management  
 N C Department of NRCO  
 PO Box 27687  
 Raleigh, North Carolina 27611

I CERTIFY THAT THIS REPORT  
 IS ACCURATE AND COMPLETE TO  
 THE BEST OF MY KNOWLEDGE.

X \_\_\_\_\_  
**Signature of operator in responsible charge**

DATE	TIME 2400 CLOCK	COMPOSITE TIME	50050	00010	00403	00545	50060	00310	00340	00610	00500	00530	316'6	00300	ENTER PARAMETER CODE ABOVE NAME AND UNITS BELOW			
			FLOW	TEMPERATURE CELSIUS	pH	SETTLABLE MATTER	RESIDUAL CHLORINE	BOD5 20°C	COD	AMMONIA NITROGEN	TOTAL RESIDUE	TOTAL SUSPENDED RESIDUE	FECAL COLIFORM <small>Geometric Mean</small>	DISSOLVED OXYGEN				
			EFF <input type="checkbox"/>												INF <input type="checkbox"/>	DAILY RATE	MG/L	MG/L
HRS	MGD	C°	UNIT	ML/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	100 ML	MG/L				
1																		
2																		
3	0024			8.1								7						
4																		
5																		
6																		
7																		
8																		
9																		
10	0024			7.9								6.4						
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17	0024			8.0								1.0						
18																		
19																		
20																		
21																		
22																		
23																		
24	0024			8.0								1.6						
25																		
26																		
27																		
28																		
29																		
30																		
31	0024			7.8								0.8						
<b>Average</b>												3.4						
<b>Max.</b>				8.1								7						
<b>Min.</b>				7.9								0.8						
<b>Comp.(C)/ Grmb(G)</b>				G								C						
<b>Monthly Limit</b>				6.9								30						

Facility Status: ( Please check one of the following)

All monthly averages and / or other limitation do meet permit monitoring requirements

( Compliant)

All monthly averages and / or other limitation do not meet permit monitoring requirements

( Noncompliant)

If the facility is noncompliant, please comment on corrective actions being taken in respect to equipment, operation, maintenance, etc. and a time table for improvements to be made.

( Attach additional sheets if necessary)

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I certify that this Report is accurate and complete to the best of my knowledge:

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 Signature of Permittee

PARAMETER CODES

00010 Temperature	00556 Oil and Grease	00950 Dissolved Fluoride	01077 Silver	39516 PCBS
00065 Stream Stage	00600 Total Nitrogen	01002 Total Arsenic	01087 Total Vanadium	39941 Roundup
00076 Turbidity	00610 Ammonia Nitrogen	01027 Cadmium	01092 Zinc	50047 Max. flow during 24-hr. period
00300 Dissolved Oxygen	00625 Total Kjeldahl Nitrogen	01032 Hexavalent Chromium	01105 Total Aluminum	50048 Min. flow during 24-hr. period
00310 BOD <sub>5</sub>	00665 Total Phosphorous	01034 Chromium	01147 Total Selenium	50050 Flow
00340 COD	00720 Cyanide	01037 Total Cobalt	31504 Total Coliform	50060 Total Residual Chlorine
00400 pH	00745 Total Sulfide	01042 Copper	31614 Fecal Coliform, MPN, Tube	71880 Formaldehyde
00500 Total Solids	00927 Total Magnesium	01045 Total Iron	31616 Fecal Coliform	71900 Mercury
00530 TSS	00929 Total Sodium	01051 Lead	32730 Total Phenolics	81318 Ferrocyanides
00545 Settleable Solids	00940 Total Chloride	01067 Nickel	38260 MBAS	85652 Time

The monthly average for fecal coliform is to be reported as a geometric MEAN.

If using alternate units for reporting data, please designate.

# EFFLUENT

NPDES PERMIT NO: NC0063045 DISCHARGE NO: 001 MONTH: March YEAR: 1987  
 FACILITY NAME: Courthouse Bay STP CLASS: II COUNTY: Onslow

OPERATOR IN RESPONSIBLE CHARGE (ORC): Mack D. Davis GRADE: IV

CERTIFIED LABORATORY: Environmental Chemistry and Microbiology Laboratory

PERSON(S) COLLECTING SAMPLES: STP Operators

CHECK BLOCK IF ORC HAS CHANGED

Mail original and one copy to:  
 ATT: Central Files  
 Division of Environmental Management  
 NC Department of NRCO  
 PO Box 27687  
 Raleigh, North Carolina 27611

I CERTIFY THAT THIS REPORT  
 IS ACCURATE AND COMPLETE TO  
 THE BEST OF MY KNOWLEDGE.

X

Signature of operator in responsible charge

DATE	TIME 2400 CLOCK	COMPOSITE TIME	50050	00010	00403	00545	50060	00310	00340	00610	00500	00530	316'6	00300	00536	00600	00665
			FLOW EFF <input type="checkbox"/> INF <input type="checkbox"/>	TEMPERATURE CELSIUS	PH	SETTLABLE MATTER	RESIDUAL CHLORINE	BOD5 20°C	COD	AMMONIA NITROGEN	TOTAL RESIDUE	TOTAL SUSPENDED RESIDUE	FECAL COLIFORM Geometric Mean	DISSOLVED OXYGEN	oil & Grease	TOTAL NITROGEN	TOTAL PHOSPHORUS
HRS	MGD	C°	UNIT	ML/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	100 ML	MG/L	MG/L	MG/L	MG/L
1	00	24	1.2148				2.0										
2	00	24	.9169				3.0										
3	00	24	.4933	17	7.0		4.0	7		1.1		8	4	8.9			
4	00	24	.4213				3.0										
5	00	24	.3785				4.0										
6	00	24	.4016				4.0										
7	00	24	.3293				5.0										
8	00	24	.5017				4.5										
9	00	24	.5214				4.5										
10	00	24	.3905	17	6.6		4.0	8		2.1		8	0	8.0			
11	00	24	.3694				4.0							0			
12	00	24	.4276				4.5										
13	00	24	.3172				4.5										
14	00	24	.2701				4.5										
15	00	24	.3210				3.0										
16	00	24	.3866	18	6.6		4.0							7.8			
17	00	24	.3375				4.0	10		1.5		6	0				
18	00	24	.3377				4.5										
19	00	24	.6462				4.0										
20	00	24	.4677				4.0										
21	00	24	.2288				4.0										
22	00	24	.3099	18	.68		4.0							7.5			
23	00	24	.3940				4.0							6.0			
24	00	24	.2947				4.0	8		2.2		6	0				
25	00	24	.3278				4.0										
26	00	24					4.0										
27	00	24	.4745				4.0										
28	00	24	.5412				3.0										
29	00	24	.3768				2.0										
30	00	24	.8170				4.0										
31	00	24	.4659	18	6.8		4.0	24		1.2		7	0	8.7			
Average			.4566	17.6			3.9	11		1.6		7	1.32	8.2	3.0		
Max.			1.2148	18	7.0		5.0	24		2.2		8	4	8.9	6.0		
Min.			.2288	17	6.6		2.0	7		1.1		6	0	7.5	0		
Comp.(C)/Grab(G)				G	G		G	C		C		C	G	G	G	C	C
Monthly Limit					6-8.5			30				30	14	>5	30		CLOSURE

Facility Status: ( Please check one of the following)

All monthly averages and / or other limitation do meet permit monitoring requirements  ( Compliant)

All monthly averages and / or other limitation do not meet permit monitoring requirements  ( Noncompliant)

If the facility is noncompliant, please comment on corrective actions being taken in respect to equipment, operation, maintenance, etc. and a time table for improvements to be made.  
( Attach additional sheets if necessary)

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I certify that this Report is accurate and complete to the best of my knowledge:

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Signature of Permittee

PARAMETER CODES

00010 Temperature	00556 Oil and Grease	00950 Dissolved Fluoride	01077 Silver	39516 PCBS
00065 Stream Stage	00600 Total Nitrogen	01002 Total Arsenic	01087 Total Vanadium	39941 Roundup
00076 Turbidity	00610 Ammonia Nitrogen	01027 Cadmium	01092 Zinc	50047 Max. flow during 24-hr. period
00300 Dissolved Oxygen	00625 Total Kjeldahl Nitrogen	01032 Hexavalent Chromium	01105 Total Aluminum	50048 Min. flow during 24-hr. period
00310 BOD <sub>5</sub>	00665 Total Phosphorous	01034 Chromium	01147 Total Selenium	50050 Flow
00340 COD	00720 Cyanide	01037 Total Cobalt	31504 Total Coliform	50060 Total Residual Chlorine
00400 pH	00745 Total Sulfide	01042 Copper	31614 Fecal Coliform, MPN, Tube	71880 Formaldehyde
00500 Total Solids	00927 Total Magnesium	01045 Total Iron	31616 Fecal Coliform	71900 Mercury
00530 TSS	00929 Total Sodium	01051 Lead	32730 Total Phenolics	81318 Ferrocyanides
00545 Settleable Solids	00940 Total Chloride	01067 Nickel	38260 MBAS	85652 Time

The monthly average for fecal coliform is to be reported as a geometric MEAN.

If using alternate units for reporting data, please designate.

# EFFLUENT

NPDES PERMIT NO: NC006302g DISCHARGE NO: 001 MONTH: March YEAR: 1987  
 FACILITY NAME: Hadnot Point STP CLASS: IV COUNTY: Onslow  
 OPERATOR IN RESPONSIBLE CHARGE (ORC): Mack D. Davis GRADE: IV  
 CERTIFIED LABORATORY: Environmental Chemistry and Microbiology Laboratory

PERSON(S) COLLECTING SAMPLES: STP Operators

CHECK BLOCK IF ORC HAS CHANGED

Mail original and one copy to:  
 ATT: Central Files  
 Division of Environmental Management  
 NC Department of NRCO  
 PO Box 27687  
 Raleigh, North Carolina 27611

I CERTIFY THAT THIS REPORT  
 IS ACCURATE AND COMPLETE TO  
 THE BEST OF MY KNOWLEDGE.

X

Signature of operator in responsible charge

DATE	TIME 2400 CLOCK	COMPOSITE TIME	50050	00010	00403	00545	50060	00310	00340	00610	00500	00530	31616	00300	00530 00600 00600			
			FLOW	TEMPERATURE CELSIUS	pH	SETTLABLE MATTER	RESIDUAL CHLORINE	BOD5 20°C	COD	AMMONIA NITROGEN	TOTAL RESIDUE	TOTAL SUSPENDED RESIDUE	FECAL COLIFORM Geometric Mean	DISSOLVED OXYGEN	ENTER PARAMETER CODE ABOVE NAME AND UNITS BELOW			
			EFF <input type="checkbox"/>												OIL & Grease	TURBID NITROGEN	TOTAL PHOSPHORUS	
			INF <input type="checkbox"/>															
DAILY RATE	°C	UNIT	ML/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L		
1	0024		9.261	20	6.8		3.0							6.9				
2			8.250	15	6.7		3.0	11		4.2		10	0	7.6				
3	0024		7.380	17	6.8		4.0	12		4.7		11	0	7.6				
4	0024		7.090	16	6.9		4.0	14		5.6		12	0	7.4				
5	0024		7.555	15	7.0		4.0	12		5.2		8	6	7.7				
6	0024		6.685	16	6.8		4.0	19		6.1		10	0	7.6				
7	0024		6.553	18	6.8		3.0							6.2				
8	0024		6.009	18	6.7		4.0							6.6				
9	0024		6.659	18	6.7		4.0	11		4.0		8	2	6.7				
10	0024		6.185	19	6.7		4.0	13		5.6		14	10	6.0				
11	0024		6.005	13	6.9		4.0	14		6.7		10	0	8.0	0			
12	0024		5.944	15	6.9		4.0	15		6.6		8	2	8.1			4.9	
13	0024		5.749	13	6.6		4.0	13		4.6		13	0	7.2				
14	0024		5.428	17	6.8		4.0							7.5				
15	0024		5.414	19	6.8		4.0							7.2				
16	0024		5.757	16	6.9		4.0	11		3.0		7	0	6.5				
17	0024		5.482	16	6.8		4.0	15		5.8		7	0	6.8				
18	0024		5.536	16	6.9		4.0	11		5.1		8	4	6.5				
19	0024		4.838	18	6.9		4.0	10		4.5		10	0	6.5				
20	0024		2.959	16	6.9		4.0	21		5.5		7	0	6.6				
21	0024		2.639	17	6.9		4.0							6.7				
22	0024		2.592	18	6.8		4.0							6.6				
23	0024		4.090	17	6.7		4.0	11		3.5		8	0	7.0	2.1			
24	0024		4.827	18	7.0		4.0	13		4.6		8	0	7.1				
25	0024		5.000	18	6.8		4.0	12		4.4		9	0	7.5				
26	0024		5.294	20	6.8		4.0	15		4.2		10	0	7.3				
27	0024		5.226	20	6.8		4.0	12		4.3		8	2	7.2				
28	0024		4.650	20	6.8		4.0							7.2				
29	0024		4.560	21	6.8		4.0							7.1				
30	0024		5.745	20	6.8		4.0	10		3.0		8	0	7.7		9.98		
31	0024		4.350	20	7.0		4.0	13		5.0		7	0	6.6				
Average			5.603	17			3.9	13		4.8		9	1.41	7.1	1.1	9.98	4.9	
Max.			9.261	21	7.0		4.0	21		6.7		14	10	8.1	2.1	9.98	4.9	
Min.			2.592	13	6.6		3.0	10		3.0		7	0	6.2	0	9.98	4.0	
Comp.(C)/Grnb(G)				G	G		G	C		C		C	G	G	G	C	C	
Monthly Limit					6-8.5			22		19		30	14	>5	30		ENCLOSURE	

Facility Status: ( Please check one of the following)

All monthly averages and / or other limitation do meet permit monitoring requirements  ( Compliant)

All monthly averages and / or other limitation do not meet permit monitoring requirements  ( Noncompliant)

If the facility is noncompliant, please comment on corrective actions being taken in respect to equipment, operation, maintenance, etc. and a time table for improvements to be made.  
( Attach additional sheets if necessary)

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I certify that this Report is accurate and complete to the best of my knowledge:

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Signature of Permittee

PARAMETER CODES

00010 Temperature	00556 Oil and Grease	00950 Dissolved Fluoride	01077 Silver	39516 PCBS
00065 Stream Stage	00600 Total Nitrogen	01002 Total Arsenic	01087 Total Vanadium	39941 Roundup
00076 Turbidity	00610 Ammonia Nitrogen	01027 Cadmium	01092 Zinc	50047 Max. flow during 24-hr. period
00300 Dissolved Oxygen	00625 Total Kjeldahl Nitrogen	01032 Hexavalent Chromium	01105 Total Aluminum	50048 Min. flow during 24-hr. period
00310 BOD <sub>5</sub>	00665 Total Phosphorous	01034 Chromium	01147 Total Selenium	50050 Flow
00340 COD	00720 Cyanide	01037 Total Cobalt	31504 Total Coliform	50060 Total Residual Chlorine
00400 pH	00745 Total Sulfide	01042 Copper	31614 Fecal Coliform, MPN, Tube	71880 Formaldehyde
00500 Total Solids	00927 Total Magnesium	01045 Total Iron	31616 Fecal Coliform	71900 Mercury
00530 TSS	00929 Total Sodium	01051 Lead	32730 Total Phenolics	81318 Ferrocyanides
00545 Settleable Solids	00940 Total Chloride	01067 Nickel	38260 MBAS	85652 Time

The monthly average for fecal coliform is to be reported as a geometric MEAN.

If using alternate units for reporting data, please designate.

# EFFLUENT

**NPDES PERMIT NO:** NC0063037 **DISCHARGE NO:** 001 **MONTH:** March **YEAR:** 1987  
**FACILITY NAME:** Rifle Range STP **CLASS:** II **COUNTY:** Onslow  
**OPERATOR IN RESPONSIBLE CHARGE (ORC):** Mack D. Davis **GRADE:** IV  
**CERTIFIED LABORATORY:** Environmental Chemistry and Microbiology Laboratory  
**PERSON(S) COLLECTING SAMPLES:** STP Operatprs

CHECK BLOCK IF ORC HAS CHANGED

Mail original and one copy to:  
 ATT: Central Files  
 Division of Environmental Management  
 NC Department of NRCD  
 PO Box 27687  
 Raleigh, North Carolina 27611

I CERTIFY THAT THIS REPORT  
 IS ACCURATE AND COMPLETE TO  
 THE BEST OF MY KNOWLEDGE.

X

Signature of operator in responsible charge

DATE	TIME 2400 CLOCK	COMPOSITE TIME	50050	00010	00403	00545	50060	00310	00340	00610	00500	00530	31616	00300	00556	00505	00665	
			FLOW	TEMPERATURE CELSIUS	PH	SETTLABLE MATTER ML/L	RESIDUAL CHLORINE MG/L	BOD5 20°C MG/L	COD MG/L	AMMONIA NITROGEN MG/L	TOTAL RESIDUE MG/L	TOTAL SUSPENDED RESIDUE MG/L	FECAL COLIFORM Geometric Mean /100 ML	DISSOLVED OXYGEN MG/L	ENTER PARAMETER CODE ABOVE NAME AND UNITS BELOW			
			EFF <input checked="" type="checkbox"/>												INF <input type="checkbox"/>	DAILY RATE MGD	OIL & GRASS MG/L	TOTAL NITROGEN MG/L
1	0024		.32335				2.0											
2	0024		.30562				3.0											
3	0024		.26533				5.0											
4	0024		.26895	17	6.7		5.0	7		0.41		10	0	10.4				
5	0024		.2299				5.0											
6	0024		.2237				4.0											
7	0024		.2240				5.0											
8	0024		.2230				5.0											
9	0024		.1918				5.0											
10	0024		.2231				4.0											
11	0024		.2251	14	6.7		3.0	6		0.39		6	12,500	10.5	0			
12	0024		.2023				3.0											
13	0024		.2587				3.0											
14	0024		.2259				4.0											
15	0024		.2160				4.0											
16	0024		.2280				4.0											
17	0024		.2322				4.0											
18	0024		.2421	17	6.8		4.0	6				8	0	10.9				
19	0024		.2399				5.0			0.21								
20	0024		.2258				4.0											
21	0024		.1150				5.0											
22	0024		.2300				4.0											
23	0024		.2346				5.0								0.5			
24	0024		.2307				5.0											
25	0024		.2382	16	6.7		4.0	8				6	0	10.3				
26	0024		.3191				4.0			0.26								
27	0024		.2990				4.0											
28	0024		.3202				4.0											
29	0024		.2523				4.0											
30	0024		.3355				4.0											
31	0024		.3307				4.0											
<b>Average</b>			.2477	16			4.1	7		0.32		8	10.5*	10.5	0.25			
<b>Max.</b>			.3355	17	6.8		5.0	8		0.41		10	12,500	10.9	0.5			
<b>Min.</b>			.1150	14	6.7		2.0	6		0.21		6	0	10.3	0			
<b>Comp.(C)/Grnb(G)</b>				G	G		G	C		C		C	G	G	G	C	C	
<b>Monthly Limit</b>					6-8.5			30				30	14	>5	30			

Facility Status: ( Please check one of the following)

All monthly averages and / or other limitation do meet permit monitoring requirements  ( Compliant)

All monthly averages and / or other limitation do not meet permit monitoring requirements  ( Noncompliant)

If the facility is noncompliant, please comment on corrective actions being taken in respect to equipment, operation, maintenance, etc. and a time table for improvements to be made.  
( Attach additional sheets if necessary)

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Signature of Permittee

**PARAMETER CODES**

00010 Temperature	00556 Oil and Grease	00950 Dissolved Fluoride	01077 Silver	39516 PCBS
00065 Stream Stage	00600 Total Nitrogen	01002 Total Arsenic	01087 Total Vanadium	39941 Roundup
00076 Turbidity	00610 Ammonia Nitrogen	01027 Cadmium	01092 Zinc	50047 Max. flow during 24-hr. period
00300 Dissolved Oxygen	00625 Total Kjeldahl Nitrogen	01032 Hexavalent Chromium	01105 Total Aluminum	50048 Min. flow during 24-hr. period
00310 BOD <sub>5</sub>	00665 Total Phosphorous	01034 Chromium	01147 Total Selenium	50050 Flow
00340 COD	00720 Cyanide	01037 Total Cobalt	31504 Total Coliform	50060 Total Residual Chlorine
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00500 Total Solids	00927 Total Magnesium	01045 Total Iron	31616 Fecal Coliform	71900 Mercury
00530 TSS	00929 Total Sodium	01051 Lead	32730 Total Phenolics	81318 Ferrocyanides
00545 Settleable Solids	00940 Total Chloride	01067 Nickel	38260 MBAS	85652 Time

The monthly average for fecal coliform is to be reported as a geometric MEAN.

If using alternate units for reporting data, please designate.

# EFFLUENT

NPDES PERMIT NO: NC0063011 DISCHARGE NO: 001 MONTH: March YEAR: 1987  
 FACILITY NAME: Camp Johnson (Montford Point) STP CLASS: II COUNTY: Onslow  
 OPERATOR IN RESPONSIBLE CHARGE (ORC): Mach D. Davis GRADE: IV  
 CERTIFIED LABORATORY: Environmental Chemistry and Microbiology Laboratory

PERSON(S) COLLECTING SAMPLES: STP Operators

CHECK BLOCK IF ORC HAS CHANGED

Mail original and one copy to:  
 ATT: Central Files  
 Division of Environmental Management  
 N.C. Department of NRCO  
 PO Box 27687  
 Raleigh, North Carolina 27611

I CERTIFY THAT THIS REPORT  
 IS ACCURATE AND COMPLETE TO  
 THE BEST OF MY KNOWLEDGE.

X \_\_\_\_\_  
 Signature of operator in responsible charge

DATE	TIME 2400 CLOCK	COMPOSITE TIME	50050	00010	00403	00545	50060	00310	00340	00610	00500	00530	31616	00300	00550	00633	00665
			FLOW	TEMPERATURE	PH	SETTLABLE MATTER	RESIDUAL CHLORINE	BOD5 20°C	COD	AMMONIA NITROGEN	TOTAL RESIDUE	TOTAL SUSPENDED RESIDUE	FECAL COLIFORM	DISSOLVED OXYGEN	ENTER PARAMETER CODE ABOVE NAME AND UNITS BELOW		
			EFF <input type="checkbox"/>	CELSIUS											OIL & GREASE	TOTAL NITROGEN	TOTAL PHOSPHORUS
DAILY RATE	DAILY RATE	DAILY RATE	DAILY RATE	DAILY RATE	DAILY RATE	DAILY RATE	DAILY RATE	DAILY RATE	DAILY RATE	DAILY RATE	DAILY RATE	DAILY RATE	DAILY RATE	DAILY RATE	DAILY RATE	DAILY RATE	DAILY RATE
HRS	MGD	C°	UNIT	ML/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	/100 ML	MG/L	MG/L	MG/L	MG/L
1	00	24	.3188				1.0										
2	00	24	.2868	17	7.1		2.0	16		2.4		11	0	8.7			
3	00	24	.3878				4.0										
4	00	24	.3783				5.0										
5	00	24	.3997				5.0										
6	00	24	.4190	16	7.0		4.0	17		4.9		6	0	8.9			
7	00	24	.3131				4.0										
8	00	24	.2812				4.0										
9	00	24	.3375	17	7.0		4.0	13		4.3		8	0	8.1			
10	00	24	.3425				5.0										
11	00	24	.3300				4.0								0		
12	00	24	.3460				4.0										
13	00	24	.3518	15	6.8		4.0	15		5.4		8	0	8.9			
14	00	24	.3553				5.0										
15	00	24	.3174				4.0										
16	00	24	.3585	16	6.8		4.0	12		5.2		6	0	9.4			
17	00	24	.3290				4.0										
18	00	24	.3582				4.0										
19	00	24	.3055				4.0										
20	00	24	.3424	16	7.0		4.0	16		5.7		6	2	9.5			
21	00	24	.3003				4.0										
22	00	24	.3424				4.0										
23	00	24	.3341	17	7.0		2.5	12		4.7		9	0	9.3	6.2		
24	00	24	.3421				0.0										
25	00	24	.3440				5.0										
26	00	24	.3589				5.0										
27	00	24	.3525	19	6.9		4.0	18		7.1		7	4	7.7			
28	00	24	.3329				6.0										
29	00	24	.3232				8.0										
30	00	24	.3702	19	7.1		4.0	16		6.3		8	0	8.0			
31	00	24	.3158				8.0										5.2
<b>Average</b>			.3411	17			4.1	15		5.1		9	1.30	8.7	3.1		5.2
<b>Max.</b>			.4190	19	7.1		8.0	18		7.1		11	4	9.5	6.2		5.2
<b>Min.</b>			.2312	16	6.8		0.0	12		2.4		6	0	7.7	0		5.2
<b>Comp.(C)/Grab(G)</b>				G	G		G	C		C		C	G	G	G	C	C
<b>Monthly Limit</b>					6-8.5			30				30	14	>5	30		

ENCLOSURE

(1)

Facility Status: ( Please check one of the following)

All monthly averages and / or other limitation do meet permit monitoring requirements  ( Compliant)

All monthly averages and / or other limitation do not meet permit monitoring requirements  ( Noncompliant)

If the facility is noncompliant, please comment on corrective actions being taken in respect to equipment, operation, maintenance, etc. and a time table for improvements to be made.

( Attach additional sheets if necessary)

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I certify that this Report is accurate and complete to the best of my knowledge:

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 Signature of Permittee

PARAMETER CODES

00010 Temperature	00556 Oil and Grease	00950 Dissolved Fluoride	01077 Silver	39516 PCBS
00065 Stream Stage	00600 Total Nitrogen	01002 Total Arsenic	01087 Total Vanadium	39941 Roundup
00076 Turbidity	00610 Ammonia Nitrogen	01027 Cadmium	01092 Zinc	50047 Max. flow during 24-hr. period
00300 Dissolved Oxygen	00625 Total Kjeldahl Nitrogen	01032 Hexavalent Chromium	01105 Total Aluminum	50048 Min. flow during 24-hr. period
00310 BOD <sub>5</sub>	00665 Total Phosphorous	01034 Chromium	01147 Total Selenium	50050 Flow
00340 COD	00720 Cyanide	01037 Total Cobalt	31504 Total Coliform	50060 Total Residual Chlorine
00400 pH	00745 Total Sulfide	01042 Copper	31614 Fecal Coliform, MPN, Tube	71880 Formaldehyde
00500 Total Solids	00927 Total Magnesium	01045 Total Iron	31616 Fecal Coliform	71900 Mercury
00530 TSS	00929 Total Sodium	01051 Lead	32730 Total Phenolics	81318 Ferrocyanides
00545 Settleable Solids	00940 Total Chloride	01067 Nickel	38260 MBAS	85652 Time

The monthly average for fecal coliform is to be reported as a geometric MEAN.

If using alternate units for reporting data, please designate.

# EFFLUENT

**NPDES PERMIT NO:** NC0063053 **DISCHARGE NO:** 001 **MONTH:** March **YEAR:** 1987  
**FACILITY NAME:** Onslow Beach STP **CLASS:** II **COUNTY:** Onslow  
**OPERATOR IN RESPONSIBLE CHARGE (ORC):** Mack D. Davis **GRADE:** IV  
**CERTIFIED LABORATORY:** Environmental Chemistry and Microbiology Laboratory

**PERSON(S) COLLECTING SAMPLES:** STP Operators

CHECK BLOCK IF ORC HAS CHANGED   
 Mail original and one copy to:  
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 NC Department of NRCO  
 PO Box 27687  
 Raleigh, North Carolina 27611

I CERTIFY THAT THIS REPORT  
 IS ACCURATE AND COMPLETE TO  
 THE BEST OF MY KNOWLEDGE.  
 X \_\_\_\_\_  
 Signature of operator in responsible charge

DATE	TIME 2400 CLOCK	COMPOSITE TIME	50050	00010	00400	00545	50060	00310	00340	00610	00500	00530	316'6	00300	00550	00600	00660	ENTER PARAMETER CODE ABOVE NAME AND UNITS BELOW				
			FLOW	TEMPERATURE		SETTLABLE	RESIDUAL	BOD5	COD	AMMONIA	TOTAL	TOTAL	FECAL	DISSOLVED								
			EFF <input type="checkbox"/>	CELSIUS	pH	MATTER	CHLORINE	20°C		NITROGEN	RESIDUE	SUSPENDED	COLIFORM	OXYGEN								
		DAILY RATE																				
		HRS	MGD	C°	UNIT	ML/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	/100 ML	MG/L								
1	00	24	.1736				6.0															
2	00	24	.1458				6.0															
3	00	24	.1520				5.0															
4	00	24	.1793				4.0															
5	00	24	.1868	13	6.8		5.0	6		.40		3	10	10.2								
6	00	24	.1168				6.0															
7	00	24	.1317				5.0															
8	00	24	.1386				5.5															
9	00	24	.1500				8.0															
10	00	24	.1643				6.0															
11	00	24	.1759				4.5															
12	00	24	.1566	14	6.8		5.0	6		.23		9	0	9.8		0				1.4		
13	00	24	.2783				5.0															
14	00	24	.1495				5.0															
15	00	24	.1472				5.0															
16	00	24	.1393				5.0															
17	00	24	.1305				5.0															
18	00	24	.1170				4.0															
19	00	24	.1627	14	7.1		4.0	9		.21		9	2	9.2								
20	00	24	.0899				8.0															
21	00	24	.0634				8.0															
22	00	24	.079				6.0															
23	00	24	.1012				5.5															
24	00	24	.0921				5.0															
25	00	24	.0984				4.5															
26	00	24	.930	13	6.8		5.0	6		.26		8	0	9.5								
27	00	24	.771				5.0															
28	00	24	.0975				5.0															
29	00	24	.798				6.0															
30	00	24	.1019				3.0															
31	00	24	.1126	14	7.0		5.0															
<b>Average</b>			.1322	13.6			5.3	7		.28		7	2.11	9.6		0.3				1.4		
<b>Max.</b>			.2783	14	7.1		8.0	9		.40		9	10	10.2		0.6				1.4		
<b>Min.</b>			.0634	13	6.8		3.0	6		.21		3	0	9.2		0				1.4		
<b>Comp.(C)/ Grab(G)</b>			G	G			G	C		C		C	G	G		G	C	C				
<b>Monthly Limit</b>																						

Facility Status: ( Please check one of the following)

All monthly averages and / or other limitation do meet permit monitoring requirements  ( Compliant)

All monthly averages and / or other limitation do not meet permit monitoring requirements  ( Noncompliant)

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( Attach additional sheets if necessary)

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I certify that this Report is accurate and complete to the best of my knowledge:

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Signature of Permittee

PARAMETER CODES

00010 Temperature	00556 Oil and Grease	00950 Dissolved Fluoride	01077 Silver	39516 PCBs
00065 Stream Stage	00600 Total Nitrogen	01002 Total Arsenic	01087 Total Vanadium	39941 Roundup
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00300 Dissolved Oxygen	00625 Total Kjeldahl Nitrogen	01032 Hexavalent Chromium	01105 Total Aluminum	50048 Min. flow during 24-hr. period
00310 BOD <sub>5</sub>	00665 Total Phosphorous	01034 Chromium	01147 Total Selenium	50050 Flow
00340 COD	00720 Cyanide	01037 Total Cobalt	31504 Total Coliform	50060 Total Residual Chlorine
00400 pH	00745 Total Sulfide	01042 Copper	31614 Fecal Coliform, MPN, Tube	71880 Formaldehyde
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00530 TSS	00929 Total Sodium	01051 Lead	32730 Total Phenolics	81318 Ferrocyanides
00545 Settleable Solids	00940 Total Chloride	01067 Nickel	38260 MBAS	85652 Time

The monthly average for fecal coliform is to be reported as a geometric MEAN.

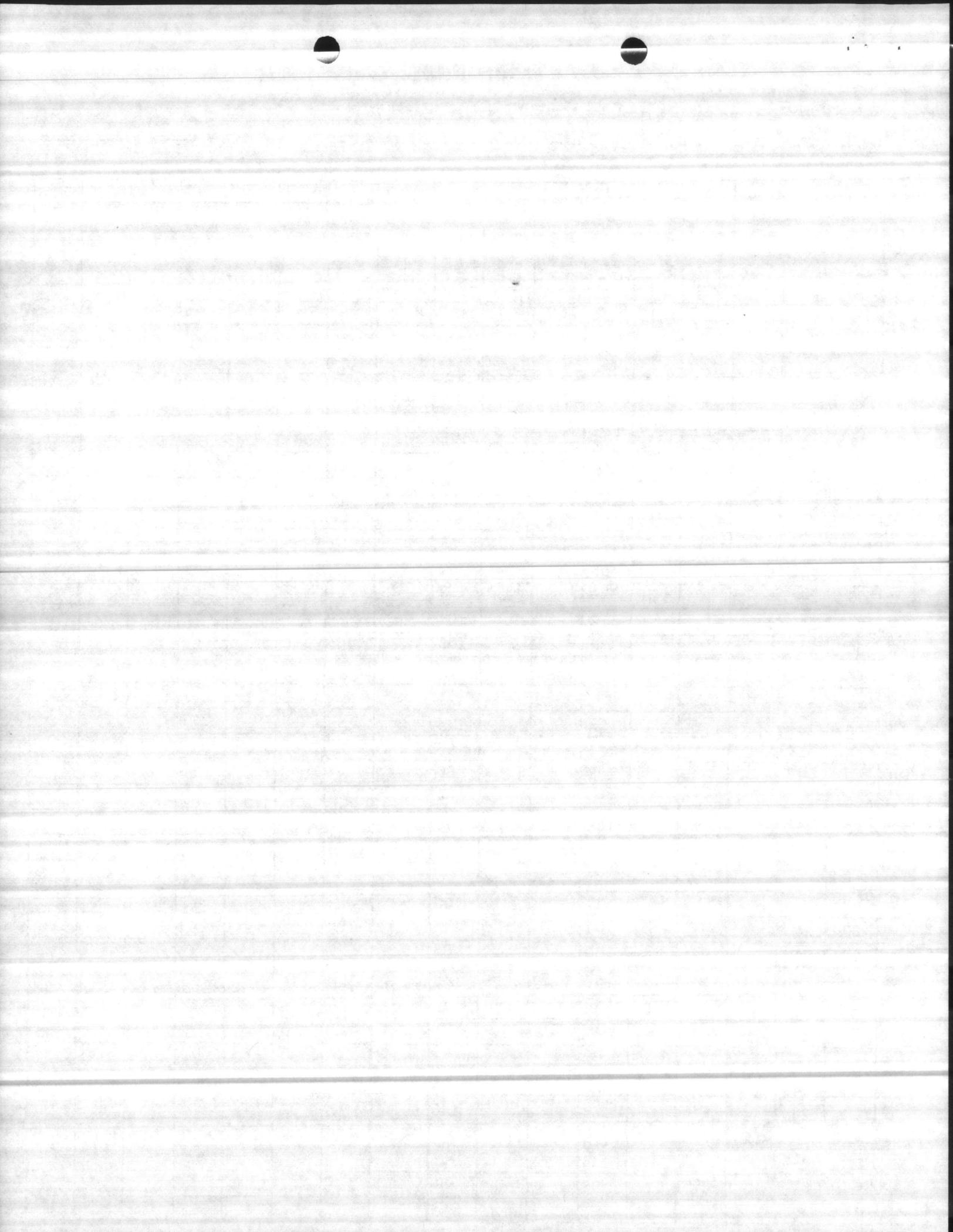
If using alternate units for reporting data, please designate.

# Influent

NPDES NO: NC0063029 DISCHARGE NO: 001 MONTH: March YEAR: 1987

FACILITY NAME: Hadnot Point STP COUNTY: Onslow

		00400	00010	00545	00310	00610	00500	00530	00340	ENTER PARAMETER CODE ABOVE & NAME AND UNITS BELOW				
Date	Time	PH	Temperature (Celsius)	Settleable Matter	BOD <sub>5</sub> 20 °C	Ammonia Nitrogen	Total Residue	Total Suspended Residue	COD					
	Composite Time	STD UNITS	°C	MI/L	MG/L	MG/L	MG/L	MG/L	MG/L					
	HRS													
1														
2	00	24			96			106						
3	00	24			132			118						
4	00	24			120			110						
5	00	24			136			106						
6	00	24			140			112						
7														
8														
9	00	24			116			88						
10	00	24			100			82						
11	00	24			124			112						
12	00	24			112			104						
13	00	24			132			106						
14														
15														
16	00	24			124			144						
17	00	24			120			96						
18	00	24			108			80						
19	00	24			164			104						
20	00	24			128			176						
21														
22														
23	00	24			132			100						
24	00	24			104			132						
25	00	24			136			86						
26	00	24			148			170						
27	00	24			108			84						
28														
29														
30	00	24			124			86						
31	00	24			128			140						
AVERAGE					124			111						
MONTHLY MAXIMUM					164			176						
MONTHLY MINIMUM					96			80						
SAMPLE TYPE C or G					C			C						



# Influent

NPDES NO: NC0003239 DISCHARGE NO: 001 MONTH: March YEAR: 1987

FACILITY NAME: Camp Geiger STP COUNTY: Onslow

		00400	00010	00545	00310	00610	00500	00530	00340	ENTER PARAMETER CODE ABOVE & NAME AND UNITS BELOW				
Date	Time	PH	Temperature (Celsius)	Settleable Matter	BOD <sub>5</sub> 20 °C	Ammonia Nitrogen	Total Residue	Total Suspended Residue	COD					
	Composite Time									STD UNITS	°C	MI/L	MG/L	MG/L
1														
2	00	24			168			256						
3	00	24			148			116						
4	00	24			180			108						
5	00	24			248			182						
6	00	24			180			94						
7														
8														
9	00	24			188			128						
10	00	24			224			186						
11	00	24			220			172						
12	00	24			188			220						
13	00	24			216			138						
14														
15														
16	00	24			148			164						
17	00	24			244			258						
18	00	24			220			140						
19	00	24			180			216						
20	00	24			200			176						
21														
22														
23	00	24			184			94						
24	00	24			220			158						
25	00	24			300			210						
26	00	24			332			186						
27	00	24			196			200						
28														
29														
30	00	24			260			290						
31	00	24			204			146						
AVERAGE					211			174						
MONTHLY MAXIMUM					332			258						
MONTHLY MINIMUM					148			94						
SAMPLE TYPE C or G					C			C						

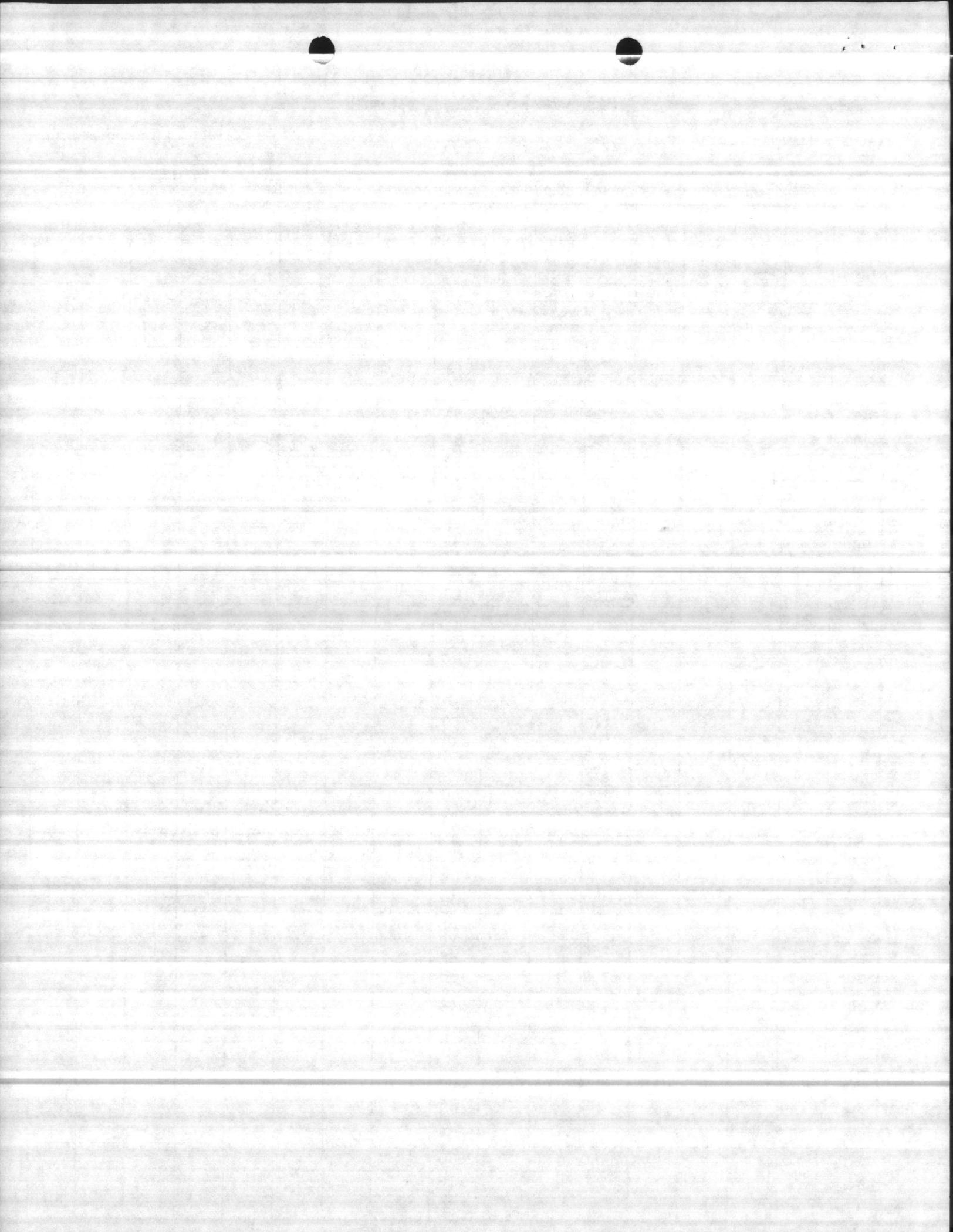


# Influent

NPDES NO: NC0063002 DISCHARGE NO: 001 MONTH: March YEAR: 1987

FACILITY NAME: Tarawa Terrace STP COUNTY: Onslow

		00400	00010	00545	00310	00610	00500	00530	00340	ENTER PARAMETER CODE ABOVE & NAME AND UNITS BELOW				
Date	Time	PH	Temperature (Celsius)	Settleable Matter	BOD <sub>5</sub> 20 °C	Ammonia Nitrogen	Total Residue	Total Suspended Residue	COD					
	Composite Time	STD UNITS	°C	MI/L	MG/L	MG/L	MG/L	MG/L	MG/L					
	HRS													
1														
2	00	24			750			1510						
3	00	24			156			254						
4	00	24			196			184						
5	00	24			760			1084						
6	00	24			470			760						
7														
8														
9	00	24			260			192						
10	00	24			264			230						
11	00	24			212			120						
12	00	24			344			330						
13	00	24			320			755						
14														
15														
16	00	24			340			2670						
17	00	24			324			884						
18	00	24			272			158						
19	00	24			276			288						
20	00	24			280			724						
21														
22														
23	00	24			207			158						
24	00	24			208			152						
25	00	24			256			1182						
26	00	24			232			186						
27	00	24			288			548						
28														
29														
30	00	24			253			850						
31	00	24			208			116						
AVERAGE					313			606						
MONTHLY MAXIMUM					760			2670						
MONTHLY MINIMUM					156			116						
SAMPLE TYPE C or G					C			C						

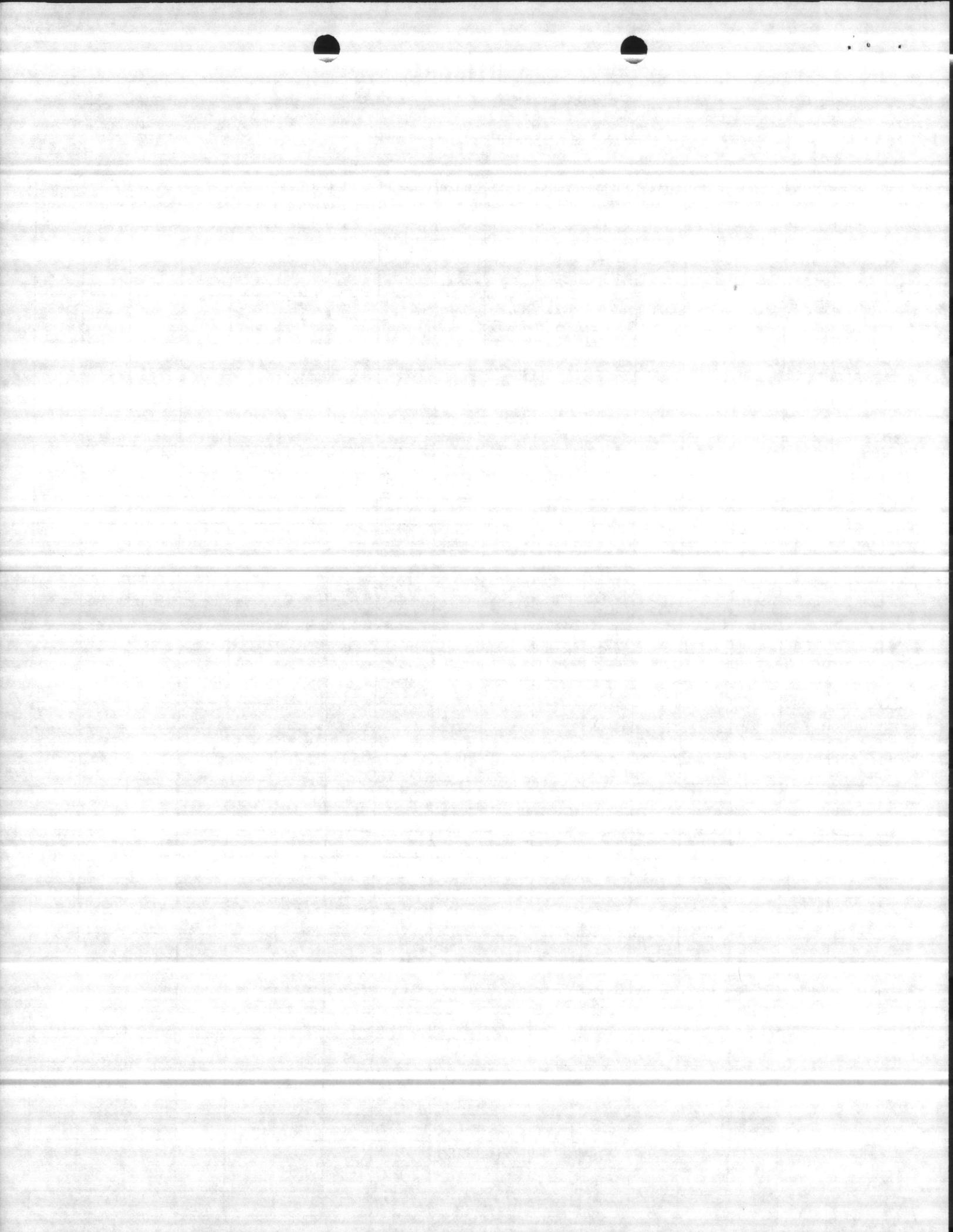


# Influent

NPDES NO: NC0063011 DISCHARGE NO: 001 MONTH: March YEAR: 1987

FACILITY NAME: Camp Johnson (Montford Point) STP COUNTY: Onslow

Date	Time	Composite Time	00400	00010	00545	00310	00610	00500	00530	00340	ENTER PARAMETER CODE ABOVE & NAME AND UNITS BELOW							
			PH	Temperature (Celsius)	Settleable Matter	BOD <sub>5</sub> 20 °C	Ammonia Nitrogen	Total Residue	Total Suspended Residue	COD								
			STD UNITS	°C	MI/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L							
1																		
2	00	24				184			206									
3																		
4																		
5																		
6	00	24				84			72									
7																		
8																		
9	00	24				156			168									
10																		
11																		
12																		
13	00	24				120			48									
14																		
15																		
16	00	24				116			48									
17																		
18																		
19																		
20	00	24				145			192									
21																		
22																		
23	00	24				56			26									
24																		
25																		
26																		
27	00	24				124			150									
28																		
29																		
30	00	24				236			260									
31																		
AVERAGE						136			130									
MONTHLY MAXIMUM						236			260									
MONTHLY MINIMUM						56			26									
SAMPLE TYPE C or G						C			C									



# Influent

NPDES NO: NC0063045

DISCHARGE NO: 001

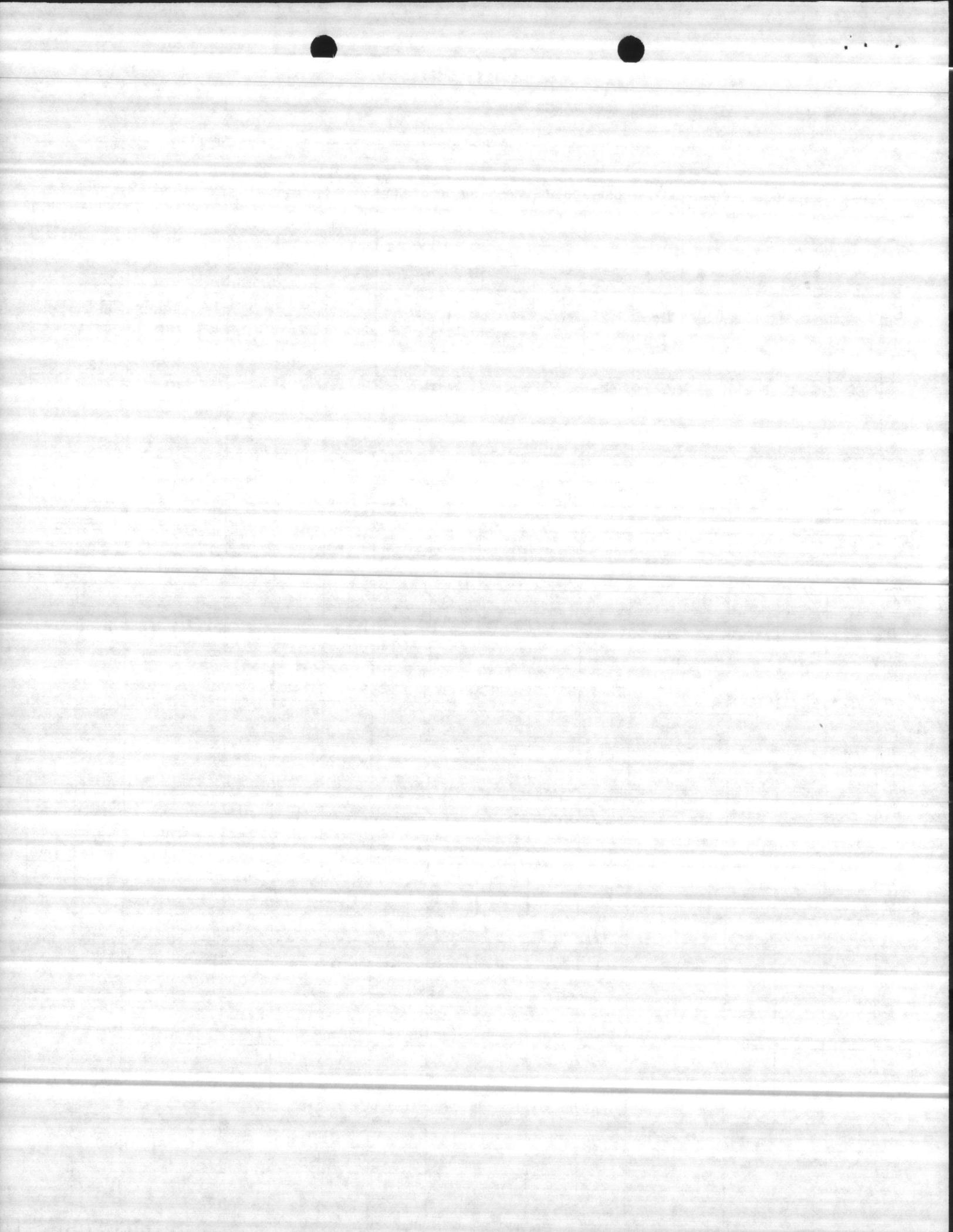
MONTH: March

YEAR: 1987

FACILITY NAME: Courthouse Bay STP

COUNTY: Onslow

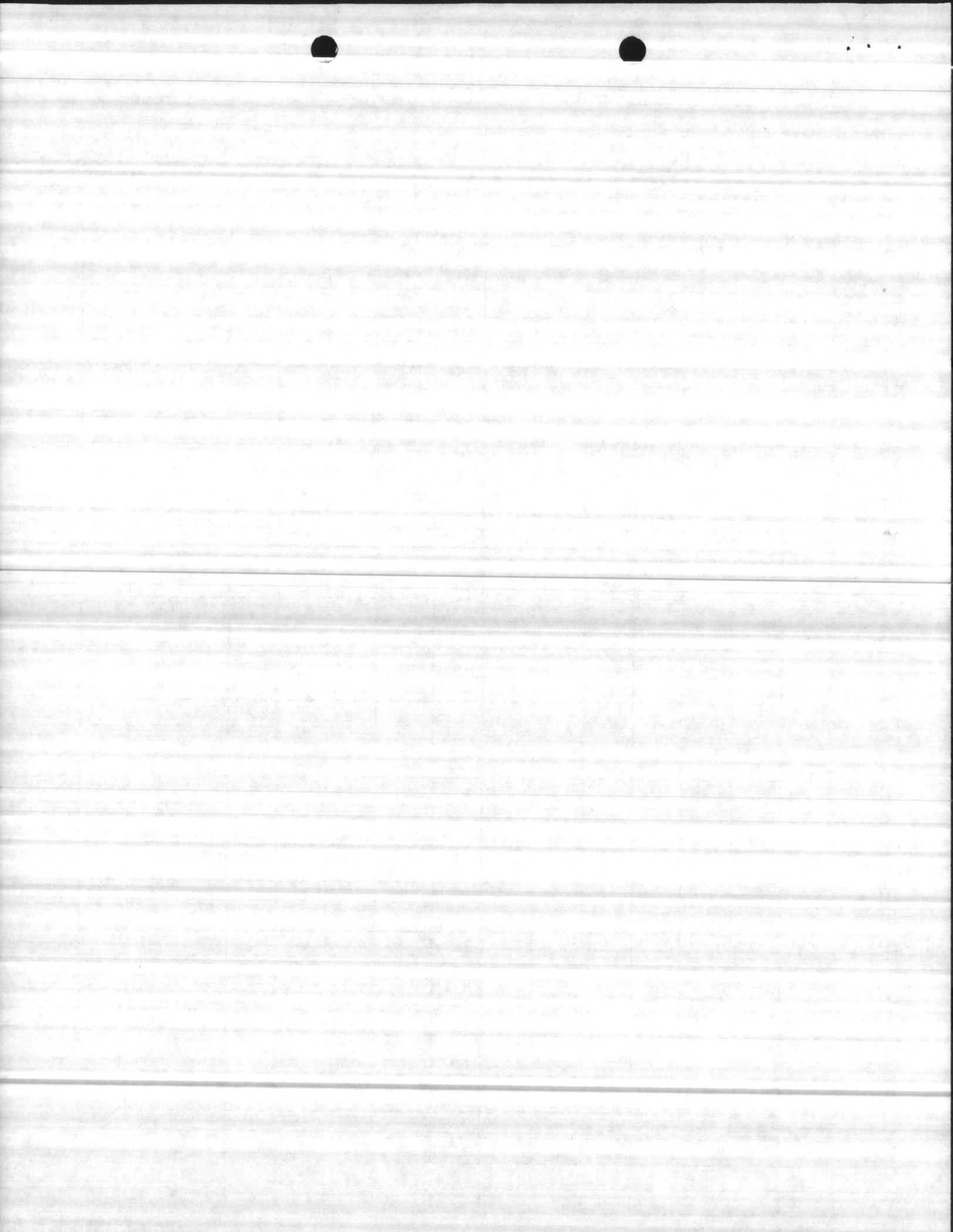
		00400	00010	00545	00310	00610	00500	00530	00340	ENTER PARAMETER CODE ABOVE & NAME AND UNITS BELOW			
Date	Time	PH	Temperature (Celsius)	Settleable Matter	BOD <sub>5</sub> 20 °C	Ammonia Nitrogen	Total Residue	Total Suspended Residue	COD				
	Composite Time	STD UNITS	°C	MI/L	MG/L	MG/L	MG/L	MG/L	MG/L				
	HRS												
1													
2													
3	00	24			76			84					
4													
5													
6													
7													
8													
9													
10	00	24			60			78					
11													
12													
13													
14													
15													
16													
17	00	24			104			58					
18													
19													
20													
21													
22													
23													
24	00	24			64			42					
25													
26													
27													
28													
29													
30													
31	00	24			144			70					
AVERAGE					90			66					
MONTHLY MAXIMUM					144			84					
MONTHLY MINIMUM					60			42					
SAMPLE TYPE C or G					C			C					



# Influent

NPDES NO: NC0063037      DISCHARGE NO: 001      MONTH: March      YEAR: 1987  
 FACILITY NAME: Rifle Range STP      COUNTY: Onslow

		00400	00010	00545	00310	00610	00500	00530	00340	ENTER PARAMETER CODE ABOVE & NAME AND UNITS BELOW			
Date	Time	PH	Temperature (Celsius)	Settleable Matter	BOD <sub>5</sub> 20 °C	Ammonia Nitrogen	Total Residue	Total Suspended Residue	COD				
	Composite Time		°C	MI/L	MG/L	MG/L	MG/L	MG/L	MG/L				
	HRS	STD UNITS											
1													
2													
3													
4	00 24				73			284					
5													
6													
7													
8													
9													
10													
11	00 24				88			253					
12													
13													
14													
15													
16													
17													
18	00 24				88			136					
19													
20													
21													
22													
23													
24													
25	00 24				240			3190					
26													
27													
28													
29													
30													
31													
AVERAGE					122			966					
MONTHLY MAXIMUM					240			3190					
MONTHLY MINIMUM					73			136					
SAMPLE TYPE C or G					C			C					

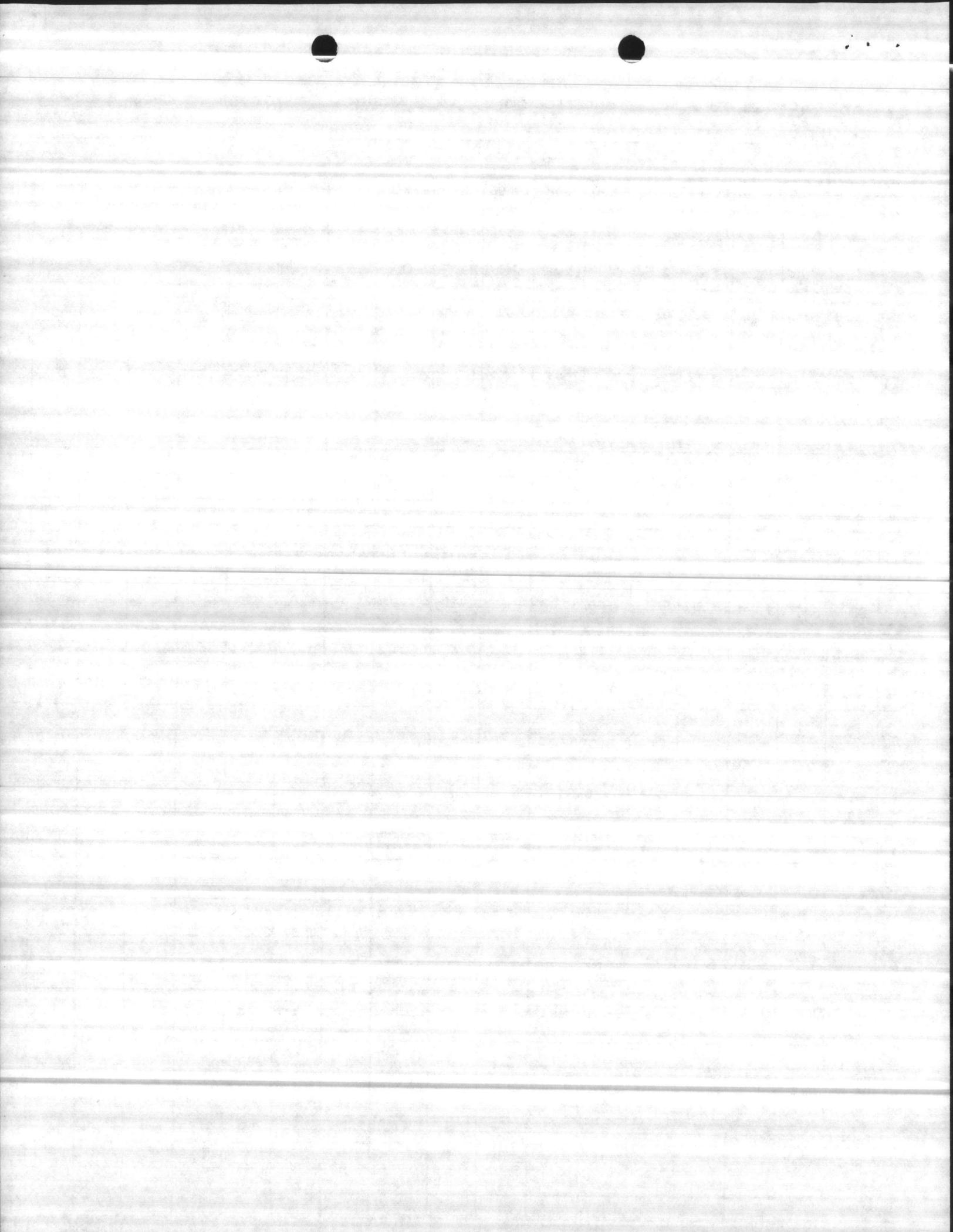


# Influent

NPDES NO: NC0063053 DISCHARGE NO: 001 MONTH: March YEAR: 1987

FACILITY NAME: Obslow Beach STP Plant COUNTY: Onslow

		00400	00010	00545	00310	00610	00500	00530	00340	ENTER PARAMETER CODE ABOVE & NAME AND UNITS BELOW			
Date	Time	PH	Temperature (Celsius)	Settleable Matter	BOD <sub>5</sub> 20 °C	Ammonia Nitrogen	Total Residue	Total Suspended Residue	COD				
	HRS	STD UNITS	°C	MI/L	MG/L	MG/L	MG/L	MG/L	MG/L				
1													
2													
3													
4													
5	00	24			72			14					
6													
7													
8													
9													
10													
11													
12	00	24			152			56					
13													
14													
15													
16													
17													
18													
19	00	24			128			72					
20													
21													
22													
23													
24													
25													
26	00	24			164			80					
27													
28													
29													
30													
31													
AVERAGE					129			56					
MONTHLY MAXIMUM					164			80					
MONTHLY MINIMUM					72			14					
SAMPLE TYPE C or G					C			C					



NPDES NO: NC0003239

CHARGE NO: 001

MONTH: March

YEAR: 1987

FACILITY NAME: Camp Geiger STP

COUNTY: Onslow

STREAM: New River

STREAM: New River

LOCATION: RW-01 At Hughes Marina

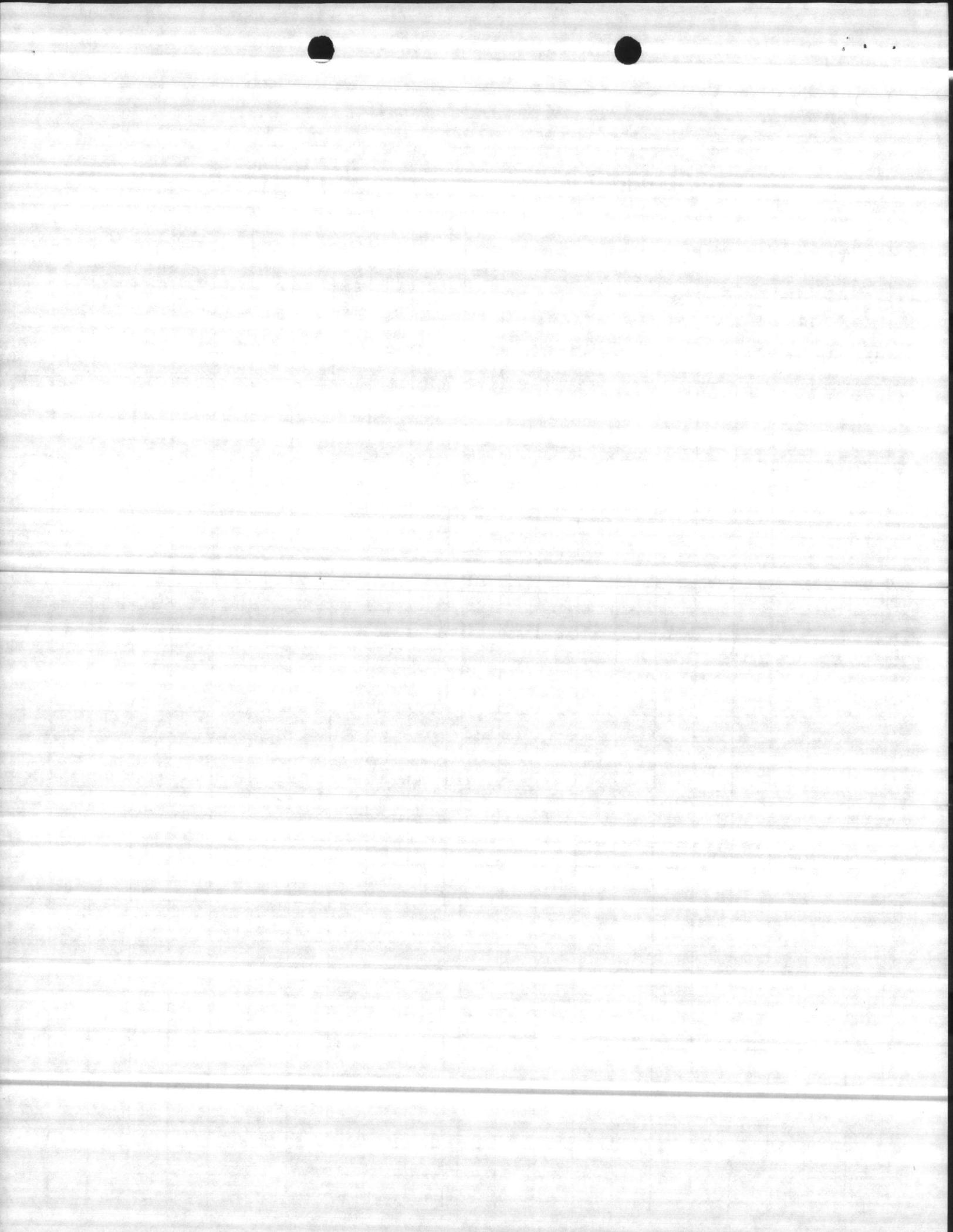
LOCATION: RW-04 Hospital Point

### Upstream

### Downstream

Date	Time 2400 Clock	00010	00300	00400	00310	00340	31616	00536	Enter Parameter Code above Name and Units Below											
		Temperature (Celsius)	Dissolved Oxygen	PH	BOD5 20°C	COD	Fecal Coliform *Geometric Mean	0/L	5/2EAS6											
		HRS °C	MG/L	STD UNITS	MG/L	MG/L	100ml	MG/L												
1																				
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				
13																				
14																				
15																				
16	10	12	9.0	7.1	2.2		120	2.0												
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				
25																				
26																				
27																				
28																				
29																				
30																				
31																				
Average	12	9.0		2.2		120	2.0													
Monthly Maximum	12	9.0	7.1	2.2		120	2													
Monthly Minimum	12	9.0	7.1	2.2		120	2													

Date	Time 2400 Clock	00010	00300	00400	00310	00340	31616	00536	Enter Parameter Code above Name and Units Below											
		Temperature (Celsius)	Dissolved Oxygen	PH	BOD5 20°C	COD	Fecal Coliform *Geometric Mean	0/L	5/2EAS6											
		HRS °C	MG/L	STD UNITS	MG/L	MG/L	100 ml	MG/L												
1																				
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				
13																				
14																				
15																				
16	10	-	12.5	8.2	6.9		4	0												
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				
25																				
26																				
27																				
28																				
29																				
30																				
31																				
Average			12.5	8.2	6.9		4	0												
Monthly Maximum			12.5	8.2	6.9		4	0												
Monthly Minimum			12.5	8.2	6.9		4	0												



NPDES NO: NC0063002 DISCHARGE NO: 001 MONTH: March YEAR: 1987

FACILITY NAME: Tarawa Terrace STP COUNTY: Onslow

STREAM: Northeast Creek STREAM: Northeast Creek

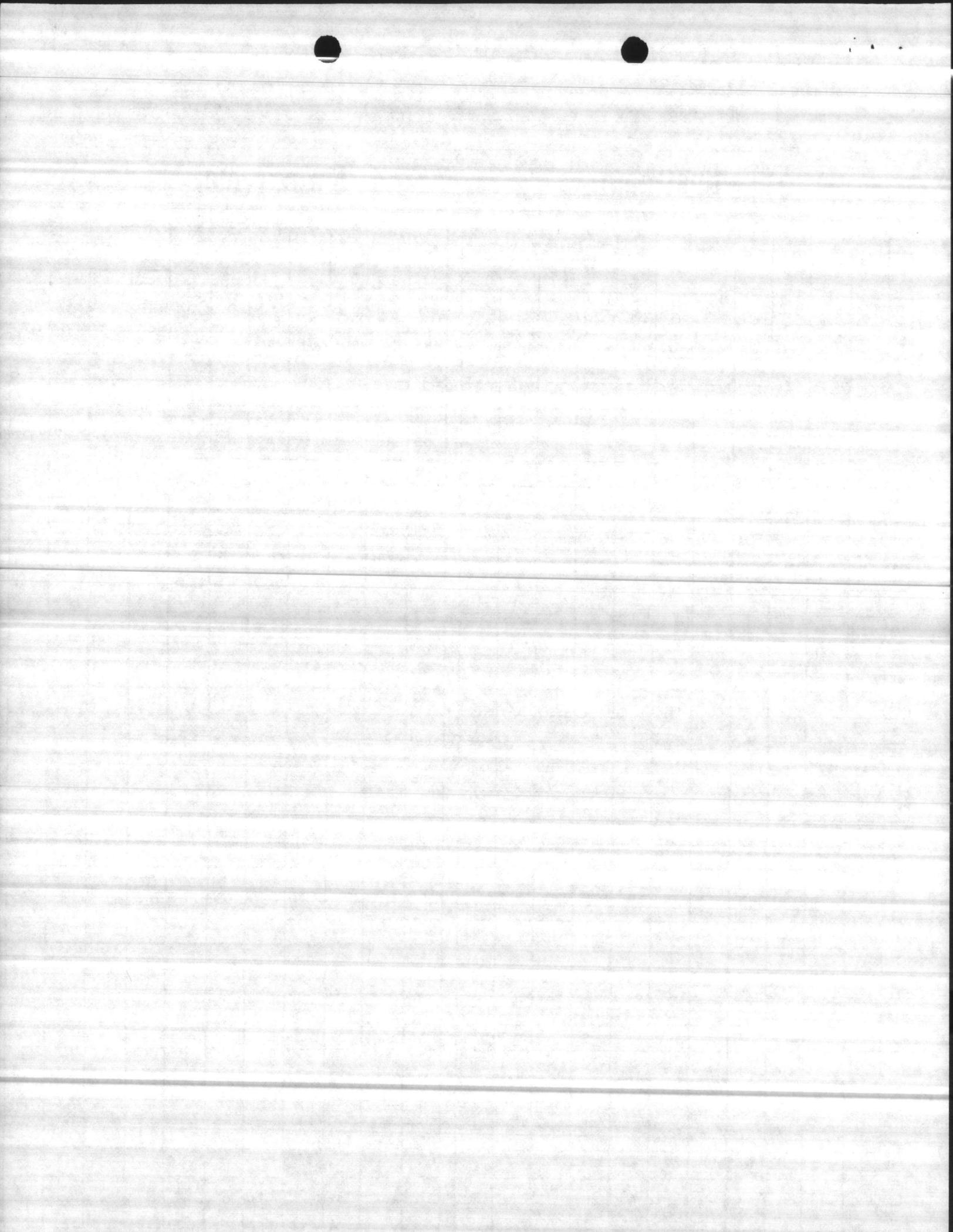
LOCATION: RW-02 At Hgy 24 Bridge LOCATION: RW-03 Between TT & CJ

## Upstream

## Downstream

		00010	00300	00400	00310	00340	31616	00557			
Date	Time 2400 Clock	Temperature (Celsius)	Dissolved Oxygen	PH	BOD5 20°C	COD	Fecal Coliform *Geometric Mean	Enter Parameter Code above Name and Units Below			
								mg/L	mg/L	mg/L	mg/L
	HRS	°C	MG/L	STD UNITS	MG/L	MG/L	100 ml	MG/L			
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
16	10	12	11.0	7.2	6.7		70	1.0			
17											
18											
19											
20											
21											
22											
23											
24											
25											
26											
27											
28											
29											
30											
31											
Average	12	11			6.7		70	1			
Monthly Maximum	12	11			7.2	6.7	70	1			
Monthly Minimum	12	11			7.2	6.7	70	1			

		00010	00300	00400	00310	00340	31616	00557			
Date	Time 2400 Clock	Temperature (Celsius)	Dissolved Oxygen	PH	BOD5 20°C	COD	Fecal Coliform *Geometric Mean	Enter Parameter Code above Name and Units Below			
								mg/L	mg/L	mg/L	mg/L
	HRS	°C	MG/L	STD UNITS	MG/L	MG/L	100 ml	MG/L			
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
16	10	11.5	12.4	8.6	12.2		20	0			
17											
18											
19											
20											
21											
22											
23											
24											
25											
26											
27											
28											
29											
30											
31											
Average	11.5	12.4			12.2		20	0			
Monthly Maximum	11.5	12.4			12.2		20	0			
Monthly Minimum	11.5	12.4			12.2		20	0			



NPDES NO: NC0063011

DISCHARGE NO: 001

MONTH: March

YEAR: 1987

FACILITY NAME: Camp Johnson (Montford Point) STP

COUNTY: Onslow

STREAM: Northeast Creek

STREAM: New River

LOCATION: RW-03 Between TT & CJ

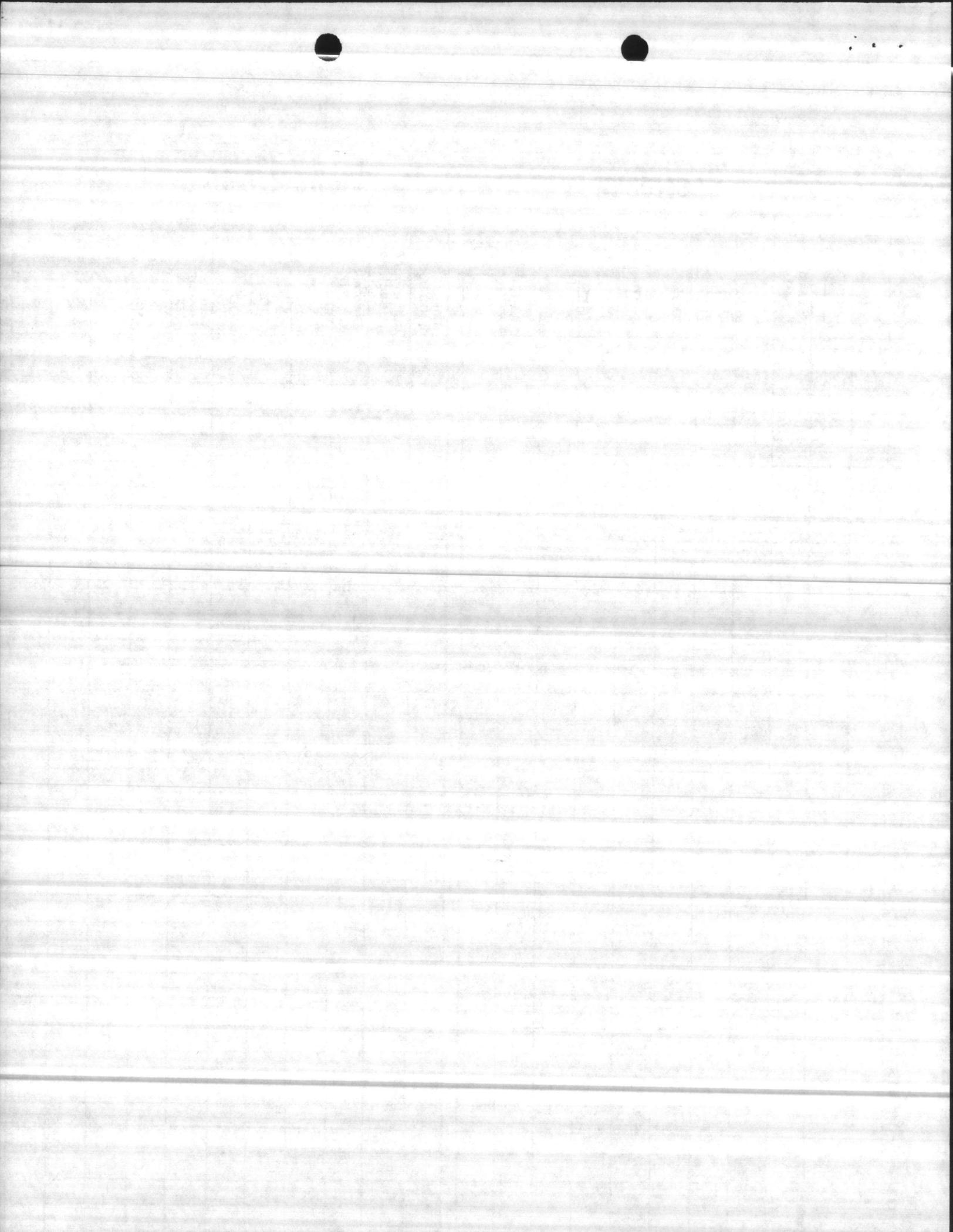
LOCATION: RW-04 Hospital Point

### Upstream

### Downstream

Date	Time 2400 Clock	Temperature (Celsius)	Dissolved Oxygen	PH	BOD5 20°C	COD	Fecal Coliform *Geometric Mean	00010003000040000310003403161600536		Enter Parameter Code above Name and Units Below	
								01L	02L	01L	02L
								HRS	°C	MG/L	STD UNITS
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
16	10	11.5	12.4	8.6	12.2		20	0			
17											
18											
19											
20											
21											
22											
23											
24											
25											
26											
27											
28											
29											
30											
31											
Average		11.5	12.4		12.2		20	0			
Monthly Maximum		11.5	12.4	8.6	12.2		20	0			
Monthly Minimum		11.5	12.4	8.6	12.2		20	0			

Date	Time 2400 Clock	Temperature (Celsius)	Dissolved Oxygen	PH	BOD5 20°C	COD	Fecal Coliform *Geometric Mean	00010003000040000310003403161600536		Enter Parameter Code above Name and Units Below	
								01L	02L	01L	02L
								HRS	°C	MG/L	STD UNITS
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
16	10	-	12.5	8.2	6.9		4	0			
17											
18											
19											
20											
21											
22											
23											
24											
25											
26											
27											
28											
29											
30											
31											
Average		-	12.5		6.9		4	0			
Monthly Maximum		-	12.5	8.2	6.9		4	0			
Monthly Minimum		-	12.5	8.2	6.9		4	0			



NPDES NO: NC0063029 DISCHARGE NO: 001 MONTH: March YEAR: 1987

FACILITY NAME: Hadnot Point STP COUNTY: Onslow

STREAM: New River STREAM: New River

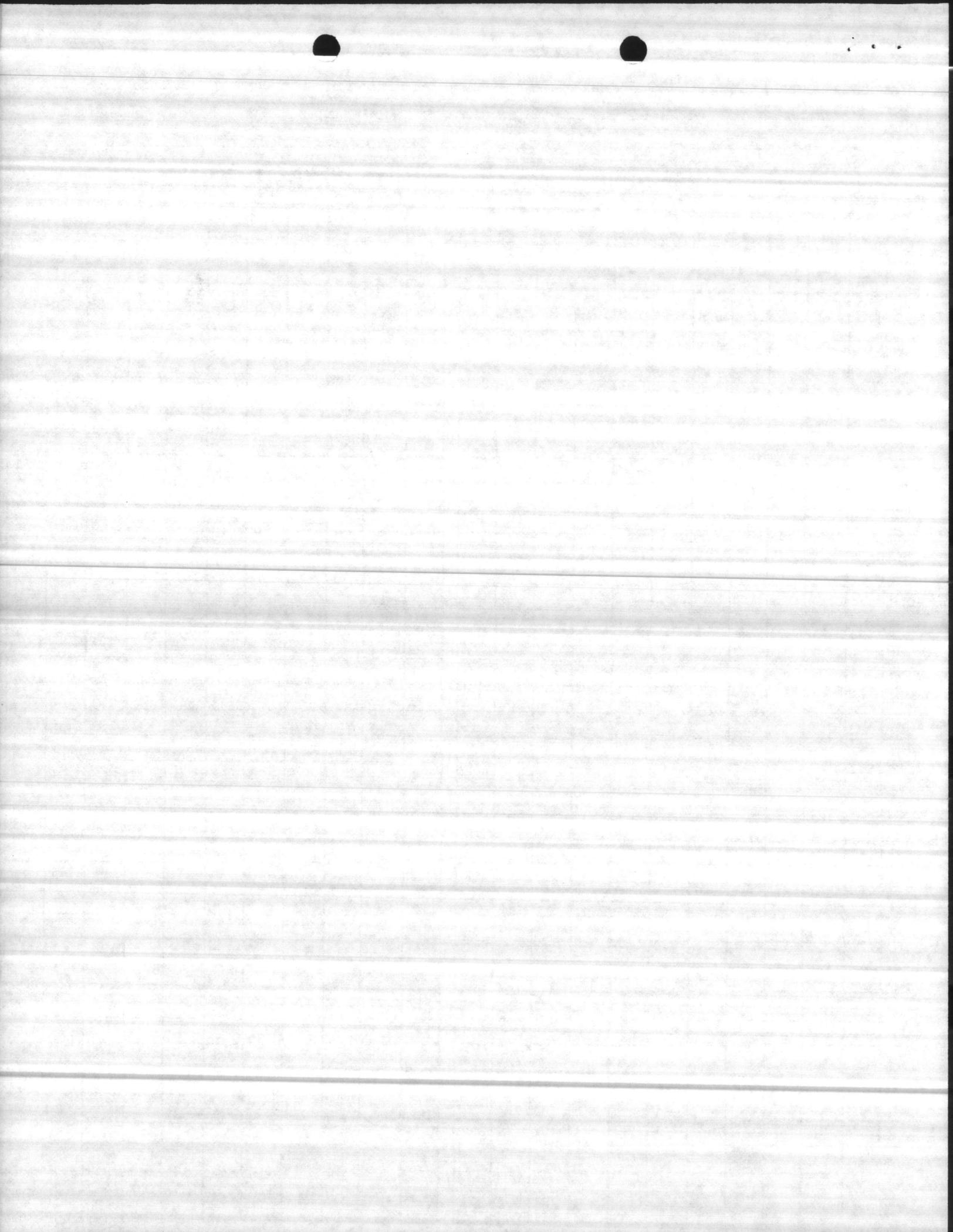
LOCATION: RW-04 Hospital Point LOCATION: RW-05 Marker #35

## Upstream

## Downstream

Date	Time 2400 Clock	00010	00300	00400	00310	00340	31616	00556	
		Temperature (Celsius)	Dissolved Oxygen	PH	BOD5 20°C	COD	Fecal Coliform *Geometric Mean	Enter Parameter Code above Name and Units Below	
		HRS	°C	MG/L	STD UNITS	MG/L	MG/L	100 ml	MG/L
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16	10	-	12.5	8.2	6.9		4	0	
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
Average	-		12.5	8.2	6.9		4	0	
Monthly Maximum	-		12.5	8.2	6.9		4	0	
Monthly Minimum	-		12.5	8.2	6.9		4	0	

Date	Time 2400 Clock	00010	00300	00400	00310	00340	31616	00556	
		Temperature (Celsius)	Dissolved Oxygen	PH	BOD5 20°C	COD	Fecal Coliform *Geometric Mean	Enter Parameter Code above Name and Units Below	
		HRS	°C	MG/L	STD UNITS	MG/L	MG/L	100 ml	MG/L
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
Average	-		11.9	8.1	5.7		8	0	
Monthly Maximum	-		11.9	8.1	5.7		8	0	
Monthly Minimum	-		11.9	8.1	5.7		8	0	



NPDES NO: NC0063037 CHARGE NO: 001 MONTH: March YEAR: 1987

FACILITY NAME: Rifle Range STP COUNTY: Onslow

STREAM: New River STREAM: New River

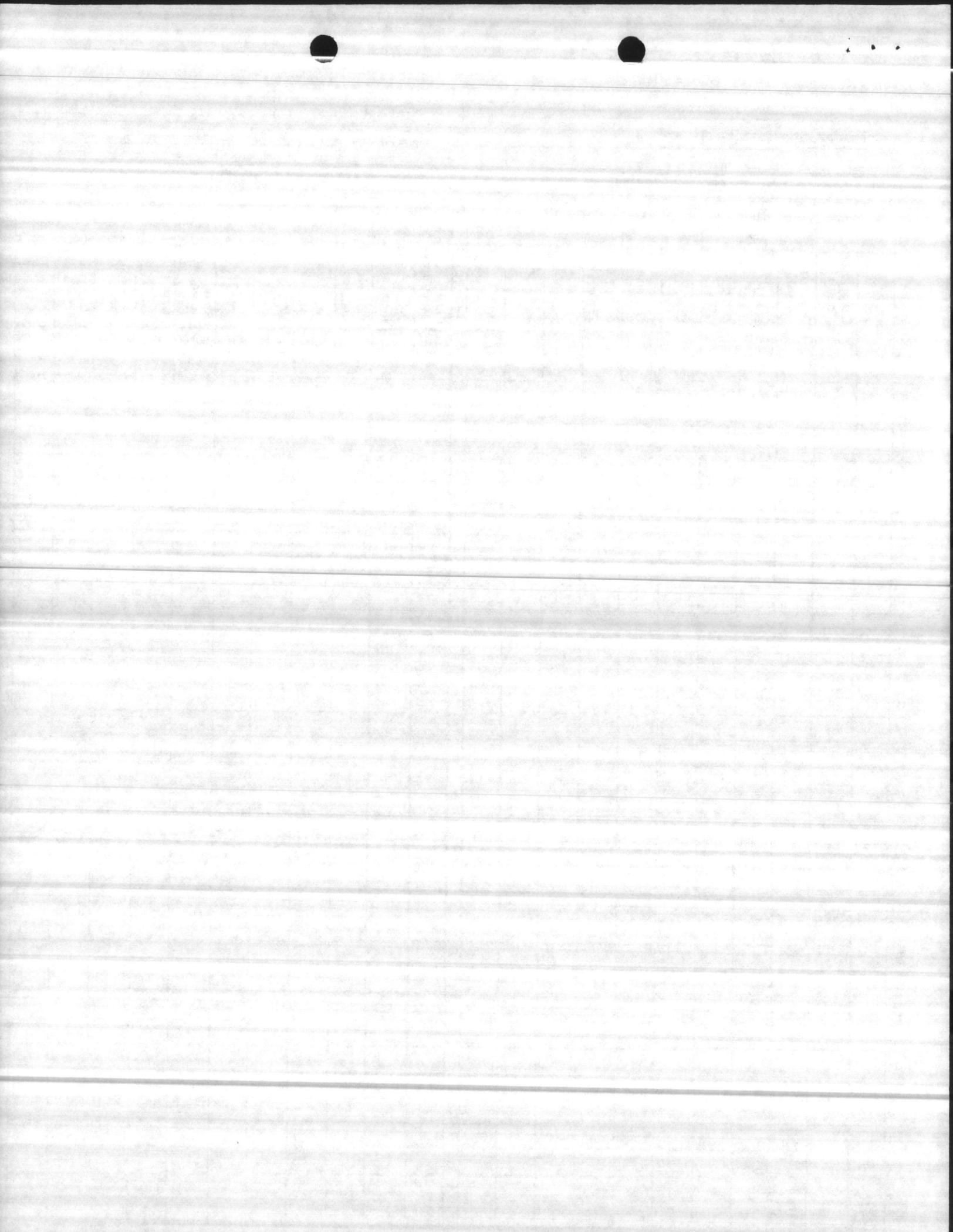
LOCATION: RW-05 Marker #35 LOCATION: RW-06 Sneads Ferry Bridge

## Upstream

## Downstream

Date	Enter Parameter Code above Name and Units Below										
	Time 2400 Clock	Temperature (Celsius)	Dissolved Oxygen	PH	BOD5 20°C	COD	Fecal Coliform + Geometric Mean				
	HRS	°C	MG/L	STD UNITS	MG/L	MG/L	100ml	MG/L			
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11	11	-	11.9	8.1	5.7		8	0			
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											
26											
27											
28											
29											
30											
31											
Average		-	11.9	8.1	5.7		8	0			
Monthly Maximum		-	11.9	8.1	5.7		8	0			
Monthly Minimum		-	11.9	8.1	5.7		8	0			

Date	Enter Parameter Code above Name and Units Below										
	Time 2400 Clock	Temperature (Celsius)	Dissolved Oxygen	PH	BOD5 20°C	COD	Fecal Coliform + Geometric Mean				
	HRS	°C	MG/L	STD UNITS	MG/L	MG/L	100 ml	MG/L			
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11	11	-	10.	7.9	2		4	0			
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											
26											
27											
28											
29											
30											
31											
Average		-	10.	7.9	2		4	0			
Monthly Maximum		-	10	7.9	2		4	0			
Monthly Minimum		-	10	7.9	2		4	0			



NPD# NO: NC0063045 CHARGE NO: 001 MONTH: March YEAR: 1987

FACILITY NAME: Courthouse Bay STP COUNTY: Onslow

STREAM: New River STREAM: \_\_\_\_\_

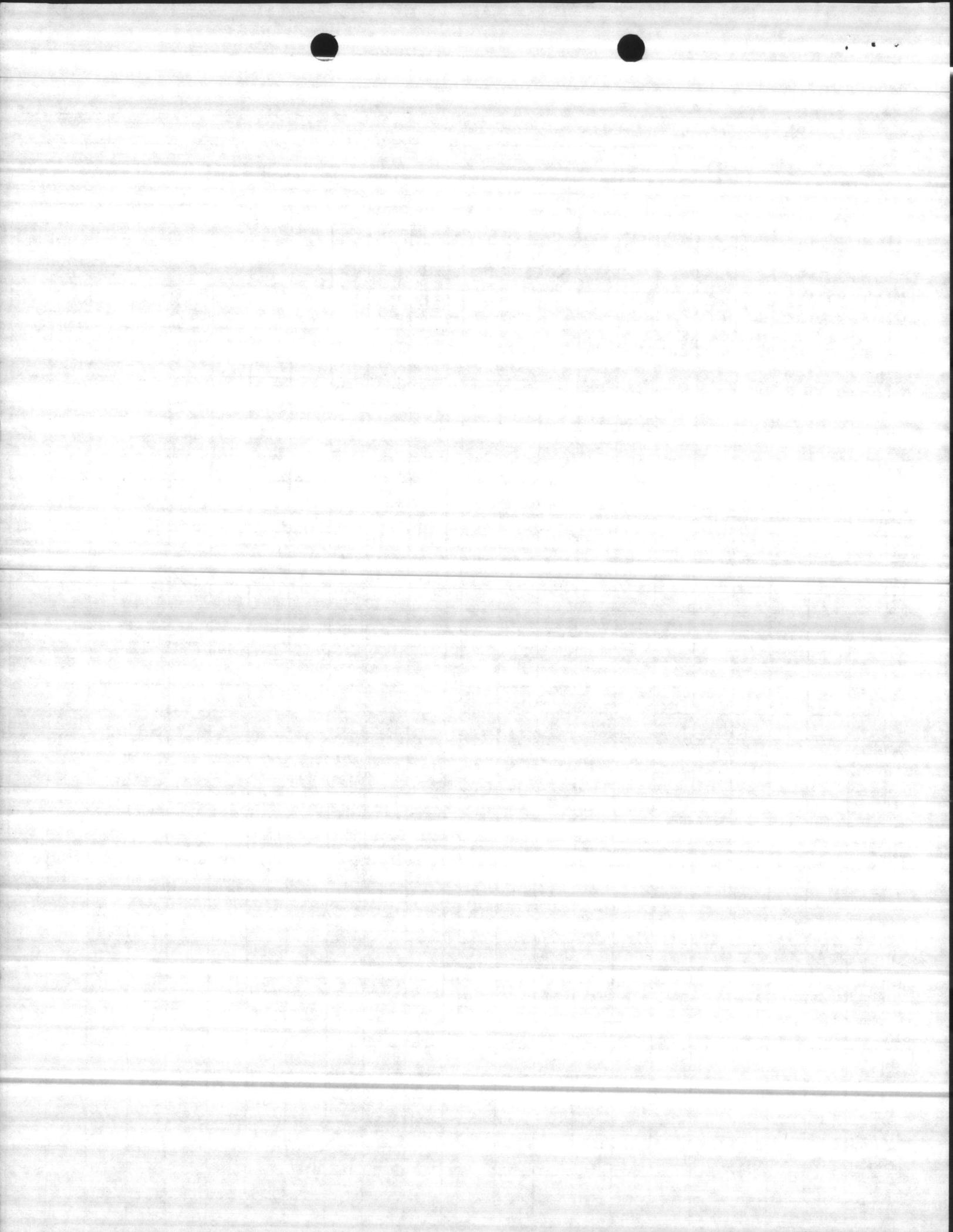
LOCATION: RW-06 Sneads Ferry Bridge LOCATION: \_\_\_\_\_

## Upstream

## Downstream

		00010	00300	00400	00310	00340	31616	00556	Enter Parameter Code above Name and Units Below	
Date	Time 2400 Clock	Temperature (Celsius)	Dissolved Oxygen	PH	BOD5 20°C	COD	Fecal Coliform *Geometric Mean	O/L	6/28/43	
	HRS	°C	MG/L	STD UNITS	MG/L	MG/L	100 ml	MG/L		
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16	11	-	10.	7.9	2		4	0		
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										
31										
Average	-		10		2		4	0		
Monthly Maximum	-		10	7.9	2		4	0		
Monthly Minimum	-		10	7.9	2		4	0		

		00010	00300	00400	00310	00340	31616	Enter Parameter Code above Name and Units Below		
Date	Time 2400 Clock	Temperature (Celsius)	Dissolved Oxygen	PH	BOD5 20°C	COD	Fecal Coliform *Geometric Mean	O/L	6/28/43	
	HRS	°C	MG/L	STD UNITS	MG/L	MG/L	100 ml	MG/L		
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										
31										
Average	-									
Monthly Maximum	-									
Monthly Minimum	-									



STORM DRAINS

MONTH: March YEAR: 1987

LOCATION: Marine Corps Base, Camp Lejeune, NC COUNTY: Onslow

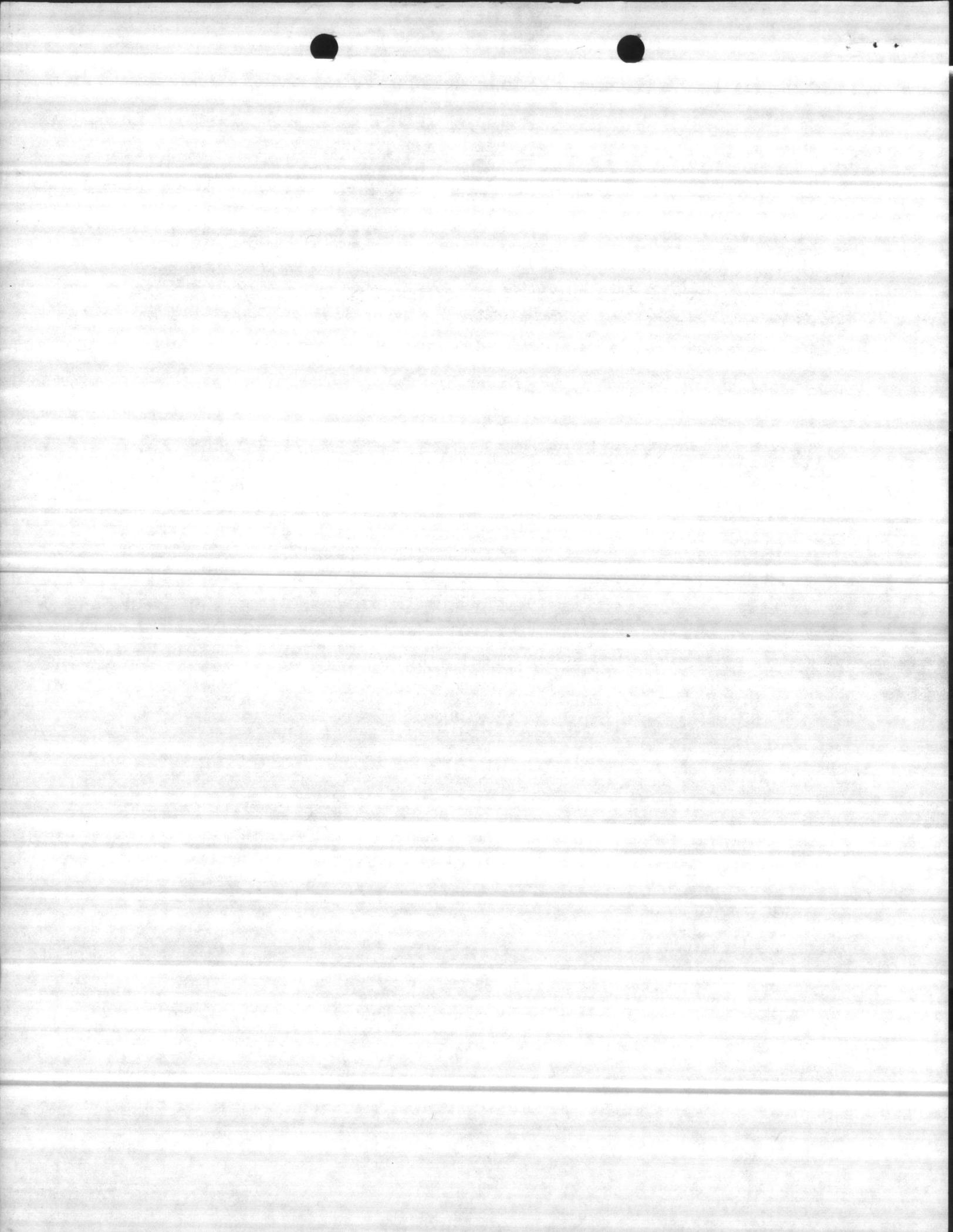
STORM DRAIN NUMBER	DATE COLLECTED	FLOW 50050	pH 00400	TOTAL SUSPENDED RESIDUE 00530	OIL & GREASE 00556
--------------------	----------------	---------------	-------------	----------------------------------	-----------------------

On March 4, the following storm drains had no flow: SD - 34, SD - 37, SD - 39, SD - 50

On March 4, the following storm drains were dry: SD - 38, SD - 50

33	3-4	9,331,200	6.4	1	13.6
35	3-4	583,200	7.0	2	0.2
36	3-4	2,624,400	6.7	6	2.2
40	3-4	3,499,200	7.3	0.4	0.2
41	3-4	1,749,600	7.2	0.4	1.6
42	3-4	11,664,000	7.0	1	3.3
43	3-4	9,331,200	7.1	1	1.1
44	3-4	9,331,200	7.2	1	1.2
51	3-4	9,331,200	6.6	2	1.4
52	3-4	3,499,200	6.9	11	5.9
53	3-4	5,248,000	7.0	1	0
54	3-4	9,331,200	7.0	9	0
55	3-4	1,749,600	7.1	2	9.5
57	3-4	2,187,000	7.6	1	0.6
72	3-13	291,600	6.7	1	1.9
89	3-4	1,749,600	6.2	2	0.4
90	3-4	1,458,000	7.1	2	2.6

<u>PARAMETER</u>	<u>UNITS</u>	<u>LIMITS</u>
Flow	GPD	None
pH	None	6 - 9
TSR	mg/l	50 mg/l
O&G	mg/l	15 mg/l



CHS

6288  
NREAD  
29 May 87  
f

Mr. Paul Wilms, Director  
Division of Environmental Management  
NC Department of Natural Resources  
and Community Development  
Post Office Box 27687  
Raleigh, North Carolina 27611

Dear Sir:

In accordance with requirements of the National Pollutant Discharge Elimination System (NPDES) Permit Number NC0003239, two copies of Discharge Monitoring Reports (DMRs) for the month of March 1987 are submitted.

The storm drains listed on the enclosed table may be correlated with base geography and facilities by referring to maps with numbered storm drain monitoring points that have been previously provided. Storm drains that have no values reported for the quarter were checked; however, each time they were checked they were either dry or had no flow. The Base Environmental staff is continuing to work on operational control methodology to reduce oil and grease and total suspended residue discharges. New construction to replace outdated base facilities should further reduce oil and grease and total suspended residue discharges.

Questions regarding this report should be forwarded to Ms. Elizabeth Betz, Supervisory Chemist, Natural Resources and Environmental Affairs Division, Assistant Chief of Staff, Facilities at (919) 451-5977.

Sincerely,

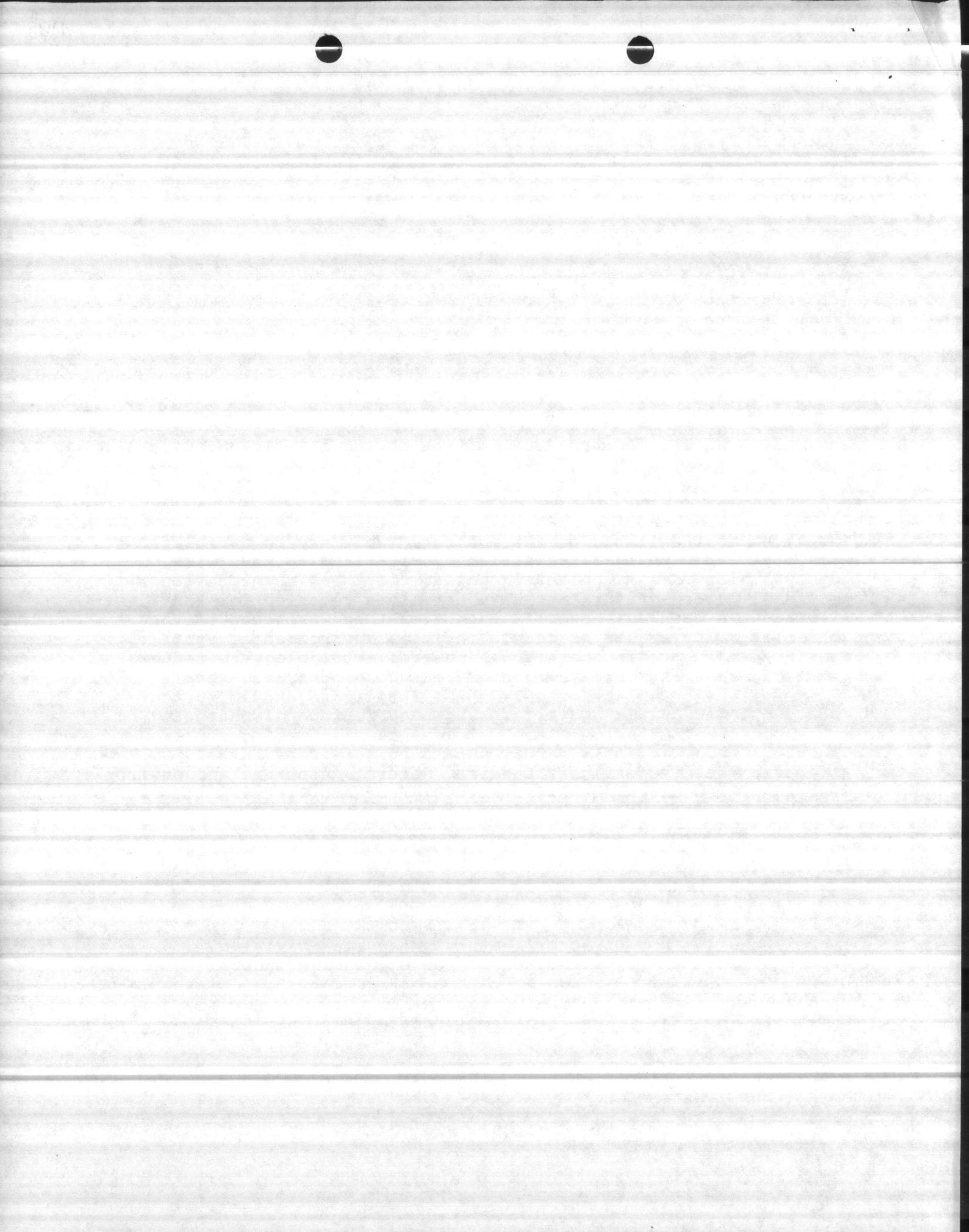
J. I. WOOTEN  
Director, Natural Resources Division  
By direction of the Commanding General

Encls:  
(1) DEM Forms MR-1, MR-2 & MR-3 (2 copies)

Copy to:  
EPA Region IV  
CMDR, LANTNAVFACENGCOM  
NEESA

Blind Copy to: EC&MS, NREAD, UTIL, BMD





CHB

# EFFLUENT

NPDES PERMIT NO: NC0063002 DISCHARGE NO: 001 MONTH: April YEAR: 1987  
 FACILITY NAME: Tarawa Terrace Sewage Treatment Plant CLASS: III COUNTY: Onslow  
 OPERATOR IN RESPONSIBLE CHARGE (ORC): Mack D. Davis GRADE: IV  
 CERTIFIED LABORATORY: Environmental Chemistry and Microbiology Laboratory

CHECK BLOCK IF ORC HAS CHANGED

PERSON(S) COLLECTING SAMPLES: Plant Operators

Mail original and one copy to:  
 ATT: Central Files  
 Division of Environmental Management  
 N C Department of NRCD  
 PO Box 27687  
 Raleigh, North Carolina 27611

I CERTIFY THAT THIS REPORT  
 IS ACCURATE AND COMPLETE TO  
 THE BEST OF MY KNOWLEDGE.

  
 X \_\_\_\_\_  
 Signature of operator in responsible charge

DATE	TIME 2400 CLOCK	COMPOSITE TIME	50050	00010	00403	00545	50060	00310	00340	00610	00500	00530	316'6	00300	00554	00602	00668	ENTER PARAMETER CODE ABOVE NAME AND UNITS BELOW		
			FLOW EFF <input checked="" type="checkbox"/>	TEMPERATURE CELSIUS	pH	SETTLABLE MATTER	RESIDUAL CHLORINE	BOD5 20°C	COD	AMMONIA NITROGEN	TOTAL RESIDUE	TOTAL SUSPENDED RESIDUE	FECAL COLIFORM Geometric Mean	DISSOLVED OXYGEN	OIL & GREASE	TOTAL NITROGEN	TOTAL PHOS-PHORUS			
			INF <input type="checkbox"/>															DAILY RATE	MGD	C°
1	00	24	.6160	15	6.6		4.0	13		3.8		11	0	9.8						
2	00	24	.6825	14	6.5		5.0	12		3.0		10	0	9.5						
3	00	24	.8048	14	6.5		5.0	13		4.9		13	0	9.8						
4	00	24	.7420	14	6.6		4.5							9.6						
5	00	24	.7027	14	6.5		5.0							9.8						
6	00	24	.7427	15	6.6		4.0	13		5.4		12	0	9.8						
7	00	24	.7841	15	6.6		4.0	13		4.7		10	0	9.9						
8	00	24	.7327	14	6.6		4.0	14		9.6		8	2	9.8	5.7				6.2	
9	00	24	.7548	17	6.7		4.5	5		4.4		7	0	10.2						
10	00	24	.8010	17	6.9		4.0	15		3.8		8	0	10.1						
11	00	24	.7770	18	6.8		4.0							9.9						
12	00	24	.8867	18	6.6		5.0							10.0						
13	00	24	.8074	18	6.8		4.5	15		3.5		13	0	9.0						
14	00	24	.7030	18	6.9		4.5	17		3.7		17	0	9.5						
15	00	24	.9408	18	6.6		4.0	14		13.0		11	0	9.0						
16	00	24	.8483	20	6.7		4.0	12		2.7		9	2	9.3						
17	00	24	.7309	19	6.6		4.0	11		2.9		16	4	9.4						
18	00	24	.7833	19	6.7		4.0							9.1						
19	00	24	.7351	20	6.5		4.0							9.0						
20	00	24	.7811	19	6.6		5.0	12		2.5		5	0	9.4						
21	00	24	.8040	18	6.7		4.0	13		4.1		12	0	9.1						
22	00	24	.7800	19	6.6		4.0	11		9.2		6	0	9.4						
23	00	24	.7742	19	6.9		5.0	11		3.1		8	0	9.6						
24	00	24	.7721	18	6.8		4.0	11		3.6		5	2	9.4						
25	00	24	.7905	18	6.7		4.0							9.6						
26	00	24	.7816	17	6.8		5.0							9.5						
27	00	24	.6839	18	6.7		4.0	12		3.1		3	2	9.4	0.3					
28	00	24	.7281	18	6.6		4.0	12		4.8		4	0	9.3						
29	00	24	.7074	18	6.6		4.0	12		7.2		10	2	9.5						
30	00	24	.7751	20	6.5		4.0	10		2.6		6	0	9.1						
31																				
Average			.7651	17			4.3	12		4.7		9	1.25	9.5	3.0	16.69	4.2			
Max.			.9408	20	6.9		5.0	17		13.0		17	4	10.12	5.7	16.69	6.2			
Min.			.6160	14	6.5		4.0	5		2.5		3	2	9.0	0.3	16.69	6.2			
Comp.(C)/ Grab(G)			G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
Monthly Limit				6-8	5			30				30	1000	>5.0	30					

Facility Status: ( Please check one of the following)

All monthly averages and / or other limitation do meet permit monitoring requirements  ( Compliant)

All monthly averages and / or other limitation do not meet permit monitoring requirements  ( Noncompliant)

If the facility is noncompliant, please comment on corrective actions being taken in respect to equipment, operation, maintenance, etc. and a time table for improvements to be made.  
( Attach additional sheets if necessary)

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I certify that this Report is accurate and complete to the best of my knowledge:

*Jubair ul Wateer*  
Signature of Permittee

PARAMETER CODES

00010 Temperature	00556 Oil and Grease	00950 Dissolved Fluoride	01077 Silver	39516 PCBS
00065 Stream Stage	00600 Total Nitrogen	01002 Total Arsenic	01087 Total Vanadium	39941 Roundup
00076 Turbidity	00610 Ammonia Nitrogen	01027 Cadmium	01092 Zinc	50047 Max. flow during 24-hr. period
00300 Dissolved Oxygen	00625 Total Kjeldahl Nitrogen	01032 Hexavalent Chromium	01105 Total Aluminum	50048 Min. flow during 24-hr. period
00310 BOD <sub>5</sub>	00665 Total Phosphorous	01034 Chromium	01147 Total Selenium	50050 Flow
00340 COD	00720 Cyanide	01037 Total Cobalt	31504 Total Coliform	50060 Total Residual Chlorine
00400 pH	00745 Total Sulfide	01042 Copper	31614 Fecal Coliform, MPN, Tube	71880 Formaldehyde
00500 Total Solids	00927 Total Magnesium	01045 Total Iron	31616 Fecal Coliform	71900 Mercury
00530 TSS	00929 Total Sodium	01051 Lead	32730 Total Phenolics	81318 Ferrocyanides
00545 Settleable Solids	00940 Total Chloride	01067 Nickel	38260 MBAS	85652 Time

The monthly average for fecal coliform is to be reported as a geometric MEAN.

If using alternate units for reporting data, please designate.

# EFFLUENT<sup>001</sup>

NPDES PERMIT NO: NC0063011 DISCHARGE NO: \_\_\_\_\_ MONTH: April YEAR: 1987  
 FACILITY NAME: Camp Johnson (Montford Point) STP CLASS: II COUNTY: Onslow  
 OPERATOR IN RESPONSIBLE CHARGE (ORC): Mack D. Davis GRADE: IV  
 CERTIFIED LABORATORY: Environmental Chemistry and Microbiology Laboratory

CHECK BLOCK IF ORC HAS CHANGED

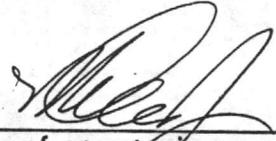
Mail original and one copy to:  
 ATT: Central Files  
 Division of Environmental Management  
 NC Department of NRCD  
 PO Box 27687  
 Raleigh, North Carolina 27611

PERSON(S) COLLECTING SAMPLES: Plant Operators

I CERTIFY THAT THIS REPORT  
 IS ACCURATE AND COMPLETE TO  
 THE BEST OF MY KNOWLEDGE.

X

Signature of operator in responsible charge



DATE	TIME 2400 CLOCK	COMPOSITE TIME	50050	00010	00400	00545	50060	00310	00340	00610	00500	00530	21616	00300	ENTER PARAMETER CODE ABOVE NAME AND UNITS BELOW				
			FLOW	EFF <input checked="" type="checkbox"/>	INF <input type="checkbox"/>	TEMPERATURE CELSIUS	PH	SETTLABLE MATTER	RESIDUAL CHLORINE	BOD5 20°C	COD	AMMONIA NITROGEN	TOTAL RESIDUE	TOTAL SUSPENDED RESIDUE	FECAL COLIFORM	DISSOLVED OXYGEN	OIL & GREASE	TOTAL NITROGEN	TOTAL PHOS - PHOS
			DAILY RATE	DAILY RATE	DAILY RATE														
1	00	24	.3248				4.0												
2	00	24	.3193				5.0												
3	00	24	.3340	15	6.9		4.0	26		10.2		12	2	8.9					
4	00	24	.3423				5.0												
5	00	24	.3260				4.0												
6	00	24	.3276	16	6.8		5.0	15		6.6		14	0	8.6					
7	00	24	.3318				5.0												
8	00	24	.5330				4.0								5.7				
9	00	24	.6140				4.0												
10	00	24	.6040	17	7.0		4.0	21		0.12		16	0	8.5					
11	00	24	.5220				6.0												
12	00	24	.5870				8.0												
13	00	24	.5620	18	7.0		2.0	13		6.1		9	0	7.4					
14	00	24	.5040				4.0												
15	00	24	.6770				3.0												
16	00	24	.6160				4.0												
17	00	24	.6490	18	7.0		4.0	19		8.2		7	0	8.0					
18	00	24	.5710				6.0												
19	00	24	.5910				4.0												
20	00	24	.6440	19	7.0		4.0	10		3.3		4	0	9.1			4.6		
21	00	24	.7440				4.0												
22	00	24	.6750				4.0												
23	00	24	.6290				4.0												
24	00	24	.6280	18	6.6		5.0	18		6.8		7	0	7.8					
25	00	24	.2700				5.0												
26	00	24	.5330				5.0												
27	00	24	.5750	17	7.0		4.0	14		4.6		6	0	8.2	0.3				
28	00	24	.5550				4.0												
29	00	24	.4000				4.0												
30	00	24	.3000				4.0												
31																			
Average			.5096	17			4.4	17		5.7		9	1.09	8.3	3.0		4.6		
Max.			.7440	19	7.0		8.0	26		10.2		16	2	9.1	5.7		4.6		
Min.			.2700	15	6.6		2.0	10		0.12		4	0	7.4	0.3		4.6		
Comp.(C)/Grab(G)			G	G			G	C		C		C	G	G	G	C	C		
Monthly Limit				6-8.5				30				30	14	>5.0	30				

Facility Status: ( Please check one of the following)

All monthly averages and / or other limitation do meet permit monitoring requirements  ( Compliant)

All monthly averages and / or other limitation do not meet permit monitoring requirements  ( Noncompliant)

If the facility is noncompliant, please comment on corrective actions being taken in respect to equipment, operation, maintenance, etc. and a time table for improvements to be made.  
( Attach additional sheets if necessary)

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I certify that this Report is accurate and complete to the best of my knowledge:

*Julian J. Woster*  
Signature of Permittee

PARAMETER CODES

00010	Temperature	00556	Oil and Grease	00950	Dissolved Fluoride	01077	Silver	39516	PCBS
00065	Stream Stage	00600	Total Nitrogen	01002	Total Arsenic	01087	Total Vanadium	39941	Roundup
00076	Turbidity	00610	Ammonia Nitrogen	01027	Cadmium	01092	Zinc	50047	Max. flow during 24-hr. period
00300	Dissolved Oxygen	00625	Total Kjeldahl Nitrogen	01032	Hexavalent Chromium	01105	Total Aluminum	50048	Min. flow during 24-hr. period
00310	BOD <sub>5</sub>	00665	Total Phosphorous	01034	Chromium	01147	Total Selenium	50050	Flow
00340	COD	00720	Cyanide	01037	Total Cobalt	31504	Total Coliform	50060	Total Residual Chlorine
00400	pH	00745	Total Sulfide	01042	Copper	31614	Fecal Coliform, MPN, Tube	71880	Formaldehyde
00500	Total Solids	00927	Total Magnesium	01045	Total Iron	31616	Fecal Coliform	71900	Mercury
00530	TSS	00929	Total Sodium	01051	Lead	32730	Total Phenolics	81318	Ferrocyanides
00545	Settleable Solids	00940	Total Chloride	01067	Nickel	38260	MBAS	85652	Time

The monthly average for fecal coliform is to be reported as a geometric MEAN.

If using alternate units for reporting data, please designate.

# EFFLUENT

**NPDES PERMIT NO:** NC0063037      **DISCHARGE NO:** 001    **MONTH:** April    **YEAR:** 1987  
**FACILITY NAME:** Rifle Range Sewage Treatment Plant    **CLASS:** II    **COUNTY:** Onslow  
**OPERATOR IN RESPONSIBLE CHARGE (ORC):** Mack D. Davis    **GRADE:** IV  
**CERTIFIED LABORATORY:** Environmental Chemistry and Microbiology Laboratory

CHECK BLOCK IF ORC HAS CHANGED

**PERSON(S) COLLECTING SAMPLES:** STP Operators

Mail original and one copy to:  
 ATT: Central Files  
 Division of Environmental Management  
 NC Department of NRCD  
 PO Box 27687  
 Raleigh, North Carolina 27611

I CERTIFY THAT THIS REPORT  
 IS ACCURATE AND COMPLETE TO  
 THE BEST OF MY KNOWLEDGE.

  
 X \_\_\_\_\_  
 Signature of operator in responsible charge

DATE	TIME 2400 CLOCK	COMPOSITE TIME	50050	00010	00409	00545	50060	00310	00340	00610	00500	00530	31816	00300	00558 00604 00665f			
			FLOW	TEMPERATURE CELSIUS	PH	SETTLABLE MATTER	RESIDUAL CHLORINE	BOD5 20°C	COD	AMMONIA NITROGEN	TOTAL RESIDUE	TOTAL SUSPENDED RESIDUE	FECAL COLIFORM	DISSOLVED OXYGEN	ENTER PARAMETER CODE ABOVE NAME AND UNITS BELOW			
			EFF <input checked="" type="checkbox"/>												INF <input type="checkbox"/>	OIL & GREASE	TOTAL NITROGEN	TOTAL PHOS - PHOSPHORUS
			DAILY RATE												DAILY RATE			
HRS	MGD	C°	UNIT	ML/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	/100 ML	MG/L	MG/L	MG/L	MG/L	MG/L		
1	00	24	.34607	15	6.7		2.0	7		0.89		6	0	10.1				
2	00	24	.36004				4.0											
3	00	24	.32800				4.0											
4	00	24	.32220				4.0											
5	00	24	.21810				4.5											
6	00	24	.31017				4.0											
7	00	24	.32543				4.5											
8	00	24	.34770	17	6.7		2.0	8		0.38		4	0	9.6				
9	00	24	.20277				4.0											
10	00	24	.40998				4.0											
11	00	24	.62977				5.0											
12	00	24	.61663				4.0											
13	00	24	.68528				3.0											
14	00	24	.69773				4.0											
15	00	24	.68718	18	6.7		2.0	6		1.33		8	0	9.1		3.9		
16	00	24	.64940				4.0											
17	00	24	.64188				4.0											
18	00	24	.68261				4.0											
19	00	24	.69101				4.0											
20	00	24	.67010				3.0											
21	00	24	.68226				4.0											
22	00	24	.33772	19	6.7		3.0	3		0.40		2	0	9.3				
23	00	24	.48280				4.0											
24	00	24	.48570				4.0											
25	00	24	.25114				4.0											
26	00	24	.25371				4.0											
27	00	24	.25903				4.0											
28	00	24	.26409				4.0											
29	00	24	.24870	18	6.8		5.0	7		0.43		11	10	10.5				
30	00	24	.26541				5.0									2.1	5.34	
31																		
<b>Average</b>			.44508	17.4			3.8	6		0.69		6	1.78	9.7	3.0	5.34		
<b>Max.</b>			.69773	19	6.8		5.0	8		1.33		11	10	10.5	3.9	5.34		
<b>Min.</b>			.21810	15	6.7		2.0	3		0.38		2	0	9.1	2.1	5.34		
<b>Comp.(C)/Grab(G)</b>			G	G			G	C		C		C	G	G	G	C	C	
<b>Monthly Limit</b>								30				30	14	>5:	30			

Facility Status: ( Please check one of the following)

All monthly averages and / or other limitation do meet permit monitoring requirements  ( Compliant)

All monthly averages and / or other limitation do not meet permit monitoring requirements  ( Noncompliant)

If the facility is noncompliant, please comment on corrective actions being taken in respect to equipment, operation, maintenance, etc. and a time table for improvements to be made.

( Attach additional sheets if necessary)

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I certify that this Report is accurate and complete to the best of my knowledge:

*Johari L. Wooten*  
 Signature of Permittee

PARAMETER . CODES

00010 Temperature	00556 Oil and Grease	00950 Dissolved Fluoride	01077 Silver	39516 PCBs
00065 Stream Stage	00600 Total Nitrogen	01002 Total Arsenic	01087 Total Vanadium	39941 Roundup
00076 Turbidity	00610 Ammonia Nitrogen	01027 Cadmium	01092 Zinc	50047 Max. flow during 24-hr. period
00300 Dissolved Oxygen	00625 Total Kjeldahl Nitrogen	01032 Hexavalent Chromium	01105 Total Aluminum	50048 Min. flow during 24-hr. period
00310 BOD <sub>5</sub>	00665 Total Phosphorous	01034 Chromium	01147 Total Selenium	50050 Flow
00340 COD	00720 Cyanide	01037 Total Cobalt	31504 Total Coliform	50060 Total Residual Chlorine
00400 pH	00745 Total Sulfide	01042 Copper	31614 Fecal Coliform, MPN, Tube	71880 Formaldehyde
00500 Total Solids	00927 Total Magnesium	01045 Total Iron	31616 Fecal Coliform	71900 Mercury
00530 TSS	00929 Total Sodium	01051 Lead	32730 Total Phenolics	81318 Ferrocyanides
00545 Settleable Solids	00940 Total Chloride	01067 Nickel	38260 MBAS	85652 Time

The monthly average for fecal coliform is to be reported as a geometric MEAN.

If using alternate units for reporting data, please designate.

# EFFLUENT

**NPDES PERMIT NO:** NC0063029    **DISCHARGE NO:** 001    **MONTH:** April    **YEAR:** 1987  
**FACILITY NAME:** Hadnot Point Sewage Treatment Plant    **CLASS:** IV    **COUNTY:** Onslow  
**OPERATOR IN RESPONSIBLE CHARGE (ORC):** Mack D. Davis    **GRADE:** IV  
**CERTIFIED LABORATORY:** Environmental Chemistry and Microbiology Laboratory

CHECK BLOCK IF ORC HAS CHANGED

**PERSON(S) COLLECTING SAMPLES:** Plant Operators

Mail original and one copy to:  
 ATT: Central Files  
 Division of Environmental Management  
 NC Department of NRCD  
 PO Box 27687  
 Raleigh, North Carolina 27611

I CERTIFY THAT THIS REPORT  
 IS ACCURATE AND COMPLETE TO  
 THE BEST OF MY KNOWLEDGE.

X \_\_\_\_\_  
 Signature of operator in responsible charge

DATE	TIME 2400 CLOCK	COMPOSITE TIME	50050		00010	00409	00545	50060	00310	00340	00610	00500	00530	31616	00300	00556 00604 00665		
			FLOW	EFF <input checked="" type="checkbox"/>	TEMPERATURE CELSIUS	PH	SETTLABLE MATTER	RESIDUAL CHLORINE	BOD5 20°C	COD	AMMONIA NITROGEN	TOTAL RESIDUE	TOTAL SUSPENDED RESIDUE	FECAL COLIFORM	DISSOLVED OXYGEN	ENTER PARAMETER CODE ABOVE NAME AND UNITS BELOW		
			DAILY RATE	INF <input type="checkbox"/>												OIL & GREASE	TOTAL NITROGEN	TOTAL PHOS- PHORUS
HRS	MGD	C°	UNIT	ML/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	/100 ML	MG/L	MG/L	MG/L	MG/L	MG/L	
1	00	24	3.893	17	6.9		4.0	14			6.8		12	0	7.2			
2	00	24	4.532	18	6.8		4.0	12			6.0		8	2	7.2			
3	00	24	4.515	18	6.9		3.0	14			6.2		10	0	7.2			
4	00	24	4.289	17	6.8		4.0								7.5			
5	00	24	3.984	18	6.8		4.0								7.8			
6	00	24	4.507	18	6.9		4.0	16			7.4		17	0	6.2			
7	00	24	4.634	18	7.0		4.0	18			6.9		10	0	6.3			4.6
8	00	24	4.646	18	6.9		3.0	20			8.2		16	0	5.0			
9	00	24	4.531	18	6.8		4.0	10			6.9		11	0	5.5	14.0		
10	00	24	4.581	18	7.0		4.0	21			7.2		10	0	6.5			
11	00	24	4.158	19	6.9		4.0								6.1			
12	00	24	4.205	19	6.8		4.0								6.0			
13	00	24	4.989	20	7.0		3.0	16			8.7		12	0	7.4			
14	00	24	4.631	20	7.0		3.5	20			11.6		16	0	5.0			
15	00	24	5.009	20	6.8		4.0	15			8.1		14	0	4.8			
16	00	24	5.491	20	6.9		4.0	14			12.3		9	0	5.9			
17	00	24	4.905	20	6.8		4.0	16			5.7		16	0	5.4			
18	00	24	4.004	20	6.8		4.0								5.8			
19	00	24	4.306	19	6.9		4.0								6.0			
20	00	24	4.962	20	6.9		4.0	13			3.4		9	4	5.0			
21	00	24	5.029	20	6.8		4.0	14			5.0		14	0	5.0			
22	00	24	5.119	20	6.8		3.0	17			5.8		7	0	5.3			
23	00	24	5.439	21	6.8		4.0	15			4.5		11	0	4.9			
24	00	24	5.666	21	6.8		4.0	15			6.0		11	0	5.3			
25	00	24	5.756	20	6.8		4.0								5.3			
26	00	24	4.287	18	6.8		4.0								5.6			
27	00	24	5.041	18	6.8		4.0	19			4.3		10	0	5.4			
28	00	24	4.902	18	6.6		4.0	14			6.1		8	0	5.8			
29	00	24	4.455	20	6.7		4.0	11			6.5		10	0	5.2			
30	00	24	4.458	19	6.7		4.0	12			5.9		7	2	6.2	2.8	14.57	
31																		
<b>Average</b>			4.697	19			3.9	15			6.8		11	1.13	5.9	8.4	14.57	4.6
<b>Max.</b>			5.756	21	7.0		4.0	20			12.3		16	4	7.4	14.0	14.57	4.6
<b>Min.</b>			3.893	17	6.6		3.0	10			3.4		7	0	4.8	2.8	14.57	4.6
<b>Comp.(C)/Grab(G)</b>			G	G			G	C			C		C	G	G	G	C	C
<b>Monthly Limit</b>							6.8.5		22		13		30	14	5.0	30		

Facility Status: ( Please check one of the following)

All monthly averages and / or other limitation do meet permit monitoring requirements  ( Compliant)

All monthly averages and / or other limitation do not meet permit monitoring requirements  ( Noncompliant)

If the facility is noncompliant, please comment on corrective actions being taken in respect to equipment, operation, maintenance, etc. and a time table for improvements to be made.  
( Attach additional sheets if necessary)

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I certify that this Report is accurate and complete to the best of my knowledge:

*Julian D. Wooten*  
Signature of Permittee

PARAMETER CODES

00010 Temperature	00556 Oil and Grease	00950 Dissolved Fluoride	01077 Silver	39516 PCBS
00065 Stream Stage	00600 Total Nitrogen	01002 Total Arsenic	01087 Total Vanadium	39941 Roundup
00076 Turbidity	00610 Ammonia Nitrogen	01027 Cadmium	01092 Zinc	50047 Max. flow during 24-hr. period
00300 Dissolved Oxygen	00625 Total Kjeldahl Nitrogen	01032 Hexavalent Chromium	01105 Total Aluminum	50048 Min. flow during 24-hr. period
00310 BOD <sub>5</sub>	00665 Total Phosphorous	01034 Chromium	01147 Total Selenium	50050 Flow
00340 COD	00720 Cyanide	01037 Total Cobalt	31504 Total Coliform	50060 Total Residual Chlorine
00400 pH	00745 Total Sulfide	01042 Copper	31614 Fecal Coliform, MPN, Tube	71880 Formaldehyde
00500 Total Solids	00927 Total Magnesium	01045 Total Iron	31616 Fecal Coliform	71900 Mercury
00530 TSS	00929 Total Sodium	01051 Lead	32730 Total Phenolics	81318 Ferrocyanides
00545 Settleable Solids	00940 Total Chloride	01067 Nickel	38260 MBAS	85652 Time

The monthly average for fecal coliform is to be reported as a geometric MEAN.

If using alternate units for reporting data, please designate.

# EFFLUENT

NPDES PERMIT NO: NC0003239 DISCHARGE NO: 014 MONTH: April YEAR: 1987

FACILITY NAME: Onslow Beach WTP Pond CLASS:      COUNTY: Onslow

OPERATOR IN RESPONSIBLE CHARGE (ORC): Mack D. Davis GRADE: IV

CERTIFIED LABORATORY: Environmental Chemistry and Microbiology Laboratory

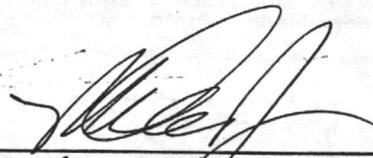
CHECK BLOCK IF ORC HAS CHANGED

PERSON(S) COLLECTING SAMPLES: WTP Operators

Mail original and one copy to:

ATT: Central Files  
Division of Environmental Management  
NC Department of NRCD  
PO Box 27687  
Raleigh, North Carolina 27611

I CERTIFY THAT THIS REPORT  
IS ACCURATE AND COMPLETE TO  
THE BEST OF MY KNOWLEDGE.

X   
Signature of operator in responsible charge

DATE	TIME 2400 CLOCK	COMPOSITE TIME	50050	00010	00409	00545	50060	00310	00340	00610	00500	00530	31676	00300	ENTER PARAMETER CODE ABOVE NAME AND UNITS BELOW		
			FLOW	TEMPERATURE	PH	SETTLABLE MATTER	RESIDUAL CHLORINE	BOD5 20°C	COD	AMMONIA NITROGEN	TOTAL RESIDUE	TOTAL SUSPENDED RESIDUE	FECAL COLIFORM	DISSOLVED OXYGEN			
			EFF <input type="checkbox"/>	INF <input type="checkbox"/>											DAILY RATE	CELSIUS	MG/L
HRS	MGD	C°	UNIT	ML/L	MG/L	MG/L	-MG/L	MG/L	MG/L	MG/L	MG/L	/100 ML	MG/L				
1																	
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14	08	8									6						
15																	
16																	
17																	
18																	
19																	
20																	
21	08	8		7.9							4						
22																	
23																	
24																	
25																	
26																	
27																	
28	08	8		7.6							10.8						
29																	
30																	
31																	
<b>Average</b>											6.9						
<b>Max.</b>				7.9							10.8						
<b>Min.</b>				7.6							4						
<b>Comp.(C)/Grab(G)</b>				G							C						
<b>Monthly Limit</b>				6.9							30						

Facility Status: ( Please check one of the following)

All monthly averages and / or other limitation do meet permit monitoring requirements

( Compliant)

All monthly averages and / or other limitation do not meet permit monitoring requirements

( Noncompliant)

If the facility is noncompliant, please comment on corrective actions being taken in respect to equipment, operation, maintenance, etc. and a time table for improvements to be made.

( Attach additional sheets if necessary)

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I certify that this Report is accurate and complete to the best of my knowledge:

*Gillian J. Wooten*  
 Signature of Permittee

PARAMETER CODES

00010	Temperature	00556	Oil and Grease	00950	Dissolved Fluoride	01077	Silver	39516	PCBS
00065	Stream Stage	00600	Total Nitrogen	01002	Total Arsenic	01087	Total Vanadium	39941	Roundup
00076	Turbidity	00610	Ammonia Nitrogen	01027	Cadmium	01092	Zinc	50047	Max. flow during 24-hr. period
00300	Dissolved Oxygen	00625	Total Kjeldahl Nitrogen	01032	Hexavalent Chromium	01105	Total Aluminum	50048	Min. flow during 24-hr. period
00310	BOD <sub>5</sub>	00665	Total Phosphorous	01034	Chromium	01147	Total Selenium	50050	Flow
00340	COD	00720	Cyanide	01037	Total Cobalt	31504	Total Coliform	50060	Total Residual Chlorine
00400	pH	00745	Total Sulfide	01042	Copper	31614	Fecal Coliform, MPN, Tube	71880	Formaldehyde
00500	Total Solids	00927	Total Magnesium	01045	Total Iron	31616	Fecal Coliform	71900	Mercury
00530	TSS	00929	Total Sodium	01051	Lead	32730	Total Phenolics	81318	Ferrocyanides
00545	Settleable Solids	00940	Total Chloride	01067	Nickel	38260	MBAS	85652	Time

The monthly average for fecal coliform is to be reported as a geometric MEAN.

If using alternate units for reporting data, please designate.

# EFFLUENT

NPDES PERMIT NO: NC0063053 DISCHARGE NO: 001 MONTH: April YEAR: 1987

FACILITY NAME: Onslow Beach Sewage Treatment Plant CLASS: II COUNTY: Onslow

OPERATOR IN RESPONSIBLE CHARGE (ORC): Mack D. Davis GRADE: IV

CERTIFIED LABORATORY: Environmental Chemistry and Microbiology Laboratory

CHECK BLOCK IF ORC HAS CHANGED

Mail original and one copy to:  
ATT: Central Files  
Division of Environmental Management  
NC Department of NRCD  
PO Box 27687  
Raleigh, North Carolina 27611

PERSON(S) COLLECTING SAMPLES: STP Operators

I CERTIFY THAT THIS REPORT  
IS ACCURATE AND COMPLETE TO  
THE BEST OF MY KNOWLEDGE.



X \_\_\_\_\_  
Signature of operator in responsible charge

DATE	TIME 2400 CLOCK	COMPOSITE TIME	50050	00010	00409	00545	50060	00310	00340	00610	00500	00520	31616	00300	00538	00604	00663
			FLOW	TEMPERATURE	PH	SETTLABLE MATTER	RESIDUAL CHLORINE	BOD5 20°C	COD	AMMONIA NITROGEN	TOTAL RESIDUE	TOTAL SUSPENDED RESIDUE	FECAL COLIFORM	DISSOLVED OXYGEN	OIL & GREASE	TOTAL NITROGEN	TOTAL PHOSPHORUS
			EFF <input type="checkbox"/>	CELSIUS													
			DAILY RATE	°C	ML/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
1	0024		.09077				4.0										
2	0024		.10766	17	6.8		6.0	10		0.43		14	0	9.0			
3	0024		.10305				6.0										
4	0024		.09490				4.5										
5	0024		.08980				5.5										
6	0024		.110189				6.0										
7	0024		.10438				5.0										
8	0024		.093436				5.0										
9	0024		.15455	15	6.7		6.0	1		0.73		11	0	10.0			
10	0024		.12507				4.0							9.5			
11	0024		.10303	20	6.6		3.0							8.5			
12	0024		.10475				5.0							8.7			
13	0024		.10234				5.0							8.9			
14	0024		.12843				4.5										
15	0024		.12892				4.0										
16	0024		.17440	17	6.9		2.0	8		0.78		8	0	9.1			
17	0024		.12000	17	6.8		6.0							8.3			
18	0024		.11400				5.5										
19	0024		.11090				5.0										
20	0024		.13770				4.5										
21	0024		.15000	19	6.2		4.0							8.3	0.2		
22	0024		.11570				4.0										
23	0024		.12000	20	6.3		4.0	7		0.74		7	0	8.5			
24	0024		.15050				3.0										
25	0024		.10291				3.0										
26	0024		.085190				3.0										
27	0024		.10430				3.0										
28	0024		.12379	19	6.8		8.0							7.8			
29	0024		.097840				4.0										
30	0024		.11280	17	6.6		4.0	14		1.59		8	0	7.8	1.9		
31																	
Average			.11510	18			4.6	8		1.07		10	0	8.7	2.0		
Max.			.17440	20	6.9		8.0	14		1.59		14	0	10.0	1.9		
Min.			.085190	17	6.2		2.0	1		0.85		7	0	7.8	0.2		
Comp.(C)/Grab(G)			G	G			G	C		C		C	C	G	G	C	C
Monthly Limit					6-8.5			30				30	14	>5.0	30		

Facility Status: ( Please check one of the following)

All monthly averages and / or other limitation do meet permit monitoring requirements  ( Compliant)

All monthly averages and / or other limitation do not meet permit monitoring requirements  ( Noncompliant)

If the facility is noncompliant, please comment on corrective actions being taken in respect to equipment, operation, maintenance, etc. and a time table for improvements to be made.  
( Attach additional sheets if necessary)

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I certify that this Report is accurate and complete to the best of my knowledge:

*Gilbert J. Wooler*  
Signature of Permittee

PARAMETER CODES

00010 Temperature	00556 Oil and Grease	00950 Dissolved Fluoride	01077 Silver	39516 PCBs
00065 Stream Stage	00600 Total Nitrogen	01002 Total Arsenic	01087 Total Vanadium	39941 Roundup
00076 Turbidity	00610 Ammonia Nitrogen	01027 Cadmium	01092 Zinc	50047 Max. flow during 24-hr. period
00300 Dissolved Oxygen	00625 Total Kjeldahl Nitrogen	01032 Hexavalent Chromium	01105 Total Aluminum	50048 Min. flow during 24-hr. period
00310 BOD <sub>5</sub>	00665 Total Phosphorous	01034 Chromium	01147 Total Selenium	50050 Flow
00340 COD	00720 Cyanide	01037 Total Cobalt	31504 Total Coliform	50060 Total Residual Chlorine
00400 pH	00745 Total Sulfide	01042 Copper	31614 Fecal Coliform, MPN, Tube	71880 Formaldehyde
00500 Total Solids	00927 Total Magnesium	01045 Total Iron	31616 Fecal Coliform	71900 Mercury
00530 TSS	00929 Total Sodium	01051 Lead	32730 Total Phenolics	81318 Ferricyanides
00545 Settleable Solids	00940 Total Chloride	01067 Nickel	38260 MBAS	85652 Time

The monthly average for fecal coliform is to be reported as a geometric MEAN.

If using alternate units for reporting data, please designate.

# EFFLUENT

NPDES PERMIT NO: NC0063045 DISCHARGE NO: 001 MONTH: April YEAR: 1987

FACILITY NAME: Courthouse Bay Sewage Treatment Plant CLASS: II COUNTY: Onslow

OPERATOR IN RESPONSIBLE CHARGE (ORC): Mack D. Davis GRADE: IV

CERTIFIED LABORATORY: Environmental Chemistry and Microbiology Laboratory

PERSON(S) COLLECTING SAMPLES: Plant Operators

CHECK BLOCK IF ORC HAS CHANGED

Mail original and one copy to:  
ATT: Central Files  
Division of Environmental Management  
NC Department of NRCD  
PO Box 27687  
Raleigh, North Carolina 27611

I CERTIFY THAT THIS REPORT  
IS ACCURATE AND COMPLETE TO  
THE BEST OF MY KNOWLEDGE.

X

Signature of operator in responsible charge

DATE	TIME 2400 CLOCK	COMPOSITE TIME	50050	00010	00400	00545	50060	00310	00340	00610	00500	00530	31615	00300	00556	00600	00665
			FLOW EFF <input checked="" type="checkbox"/> INF <input type="checkbox"/>	TEMPERATURE CELSIUS	pH	SETTLABLE MATTER	RESIDUAL CHLORINE	BOD5 20°C	COD	AMMONIA NITROGEN	TOTAL RESIDUE	TOTAL SUSPENDED RESIDUE	FECAL COLIFORM	DISSOLVED OXYGEN	OIL AND GREASE	TOTAL NITROGEN	TOTAL PHOSPHORUS
		DAILY RATE	°C	UNIT	ML/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	/100 ML	MG/L	MG/L	MG/L	MG/L
1	00	24	.3340				4.0										
2	00	24	.30830				4.0										
3	00	24	.53110				4.0										
4	00	24	.41760				4.0										
5	00	24	.37710				4.0										
6	00	24	.39710				4.5										
7	00	24	.3636	18	6.8		4.5	7		1.7		8	0	8.0			1.7
8	00	24	.45680				4.5										
9	00	24	.33180				4.0										
10	00	24	.46100				4.5										
11	00	24	.39080				3.0										
12	00	24	.39210				4.0										
13	00	24	.45190				5.0										
14	00	24	.35640	19	7.2		3.0	11		1.8		8	0	6.7	5.6		
15	00	24	.75850		7.1		4.0							7.4			
16	00	24	.62580		6.8		4.0										
17	00	24	.55570		6.8		4.0										
18	00	24	.35000				4.0										
19	00	24	.54970				4.0										
20	00	24	.64970				3.5										
21	00	24	.35740	18	6.8		4.0	6		1.5		5	0	7.5	2.3		
22	00	24	.43070				4.0										
23	00	24	.41940				4.0										
24	00	24	.49780				4.0										
25	00	24	.39190				4.0										
26	00	24	.29250				3.0										
27	00	24	.39160				4.0										
28	00	24	.45320	18	7.1		4.0	7		1.4		5	0	8.1			
29	00	24	.42700				4.0										
30	00	24	.26370				4.5										
31																	
Average			.43280	18.3			4.0	8		1.6		7	0	7.5	4.0		1.7
Max.			.75870	19	7.2		5.0	11		1.8		8	0	8.1	5.6		1.7
Min.			.26370	18	6.8		3.0	6		1.4		5	0	6.7	2.3		1.7
Comp.(C)/Grab(G)			G	G			G	C		C		C	G	G	G	C	C
Monthly Limit				6-8.5				30				30	14	>5.0	30		

Facility Status: ( Please check one of the following)

All monthly averages and / or other limitation do meet permit monitoring requirements

( Compliant)

All monthly averages and / or other limitation do not meet permit monitoring requirements

( Noncompliant)

If the facility is noncompliant, please comment on corrective actions being taken in respect to equipment, operation, maintenance, etc. and a time table for improvements to be made.

( Attach additional sheets if necessary)

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I certify that this Report is accurate and complete to the best of my knowledge:

*Julian J. Woster*  
 Signature of Permittee

PARAMETER CODES

00010 Temperature	00556 Oil and Grease	00950 Dissolved Fluoride	01077 Silver	39516 PCBs
00065 Stream Stage	00600 Total Nitrogen	01002 Total Arsenic	01087 Total Vanadium	39941 Roundup
00076 Turbidity	00610 Ammonia Nitrogen	01027 Cadmium	01092 Zinc	50047 Max. flow during 24-hr. period
00300 Dissolved Oxygen	00625 Total Kjeldahl Nitrogen	01032 Hexavalent Chromium	01105 Total Aluminum	50048 Min. flow during 24-hr. period
00310 BOD <sub>5</sub>	00665 Total Phosphorous	01034 Chromium	01147 Total Selenium	50050 Flow
00340 COD	00720 Cyanide	01037 Total Cobalt	31504 Total Coliform	50060 Total Residual Chlorine
00400 pH	00745 Total Sulfide	01042 Copper	31614 Fecal Coliform, MPN, Tube	71880 Formaldehyde
00500 Total Solids	00927 Total Magnesium	01045 Total Iron	31616 Fecal Coliform	71900 Mercury
00530 TSS	00929 Total Sodium	01051 Lead	32730 Total Phenolics	81318 Ferrocyanides
00545 Settleable Solids	00940 Total Chloride	01067 Nickel	38260 MBAS	85652 Time

The monthly average for fecal coliform is to be reported as a geometric MEAN.

If using alternate units for reporting data, please designate.

# EFFLUENT

NPDES PERMIT NO: NC0003239 DISCHARGE NO: 001 MONTH: April YEAR: 1987  
 FACILITY NAME: Camp Geiger Sewage Treatment Plant CLASS: III COUNTY: Onslow  
 OPERATOR IN RESPONSIBLE CHARGE (ORC): Mack D. Davis GRADE: IV  
 CERTIFIED LABORATORY: Environmental Chemistry and Microbiology Laboratory

CHECK BLOCK IF ORC HAS CHANGED

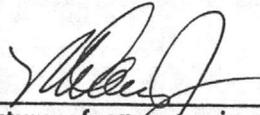
PERSON(S) COLLECTING SAMPLES: STP Operators

Mail original and one copy to:  
 ATT: Central Files  
 Division of Environmental Management  
 NC Department of NRCD  
 PO Box 27687  
 Raleigh, North Carolina 27611

I CERTIFY THAT THIS REPORT  
 IS ACCURATE AND COMPLETE TO  
 THE BEST OF MY KNOWLEDGE.

X

Signature of operator in responsible charge



DATE	TIME 2400 CLOCK	COMPOSITE TIME	50050	00010	00409	00545	50060	00310	00340	00610	00500	00930	316'6	00300	00558 00601 00665			
			FLOW EFF <input checked="" type="checkbox"/> INF <input type="checkbox"/>	TEMPERATURE CELSIUS	pH	SETTLABLE MATTER	RESIDUAL CHLORINE	BOD5 20°C	COD	AMMONIA NITROGEN	TOTAL RESIDUE	TOTAL SUSPENDED RESIDUE	FECAL COLIFORM	Geometric Mean DISSOLVED OXYGEN	oil & GREASE	TOTAL NITROGEN	TOTAL PHOS- PHORUS	ENTER PARAMETER CODE ABOVE NAME AND UNITS BELOW
HRS	MGD	C°	UNIT	ML/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	/100 ML	MG/L	MG/L	MG/L	MG/L	MG/L	
1	00	24	1.1171	17	6.4		4.0	7		14.7		5	0	7.0				
2	00	24	1.2222	16	6.6		4.0	8		12.4		4	0	7.2				
3	00	24	1.3202	17	6.6		4.0	26		12.0		12	2	6.9				
4	00	24	1.1525	17	6.4		4.0							7.3				
5	00	24	1.1196	17	6.4		4.0							7.1				
6	00	24	1.3249	16	6.5		4.0	14		12.7		12	4	6.8				
7	00	24	1.1100	17	6.5		4.0	17		13.1		7	0	7.2			1.6	
8	00	24	1.1100	17	6.6		4.0	16		18.6		8	2	7.0	4.2			
9	00	24	1.1529	20	6.7		3.0	3		14.1		7	0	5.6				
10	00	24	1.0607	20	6.4		4.0	15		15.8		7	0	7.0				
11	00	24	.93460	20	6.4		4.0							7.3				
12	00	24	1.0535	21	6.6		4.0							7.0				
13	00	24	1.0555	21	6.8		4.0	11		15.2		15	0	7.0				
14	00	24	.93500	21	7.0		4.0	23		14.3		15	0	8.2				
15	00	24	1.3919	19	6.6		4.0	20		16.3		16	8	4.5				
16	00	24	1.3314	19	7.0		3.0	18		12.6		9	0	4.6				
17	00	24	4.7249	20	7.0		3.0	14		9.3		7	2	5.0				
18	00	24	1.0000	19	7.0		4.0							5.0				
19	00	24	.96400	20	7.4		4.0							5.3				
20	00	24	1.0715	20	7.5		4.0	14		12.3		5	0	4.9				
21	00	24	1.0061	19	7.2		4.0	18		11.5		12	0	6.6				
22	00	24	1.0291	22	6.8		4.0	7		13.1		1	0	6.4				
23	00	24	1.0370	22	6.8		4.0	14		15.8		10	2	6.8				
24	00	24	.9808	22	6.8		4.0	14		15.1		6	0	6.4				
25	00	24	.72950	20	6.6		4.0							6.4				
26	00	24	.6756	18	6.8		4.0							6.6				
27	00	24	.5166	18	6.9		4.0	7		15.0		7	0	7.2	1.9			
28	00	24	3.3890	18	6.8		4.0	22		15.1		9	0	7.0				
29	00	24	.78800	18	6.8		4.0	24		14.0		14	0	5.8				
30	00	24	1.0420	18	6.8		4.0	17		13.2		10	0	6.7			20.31	
31																		
Average			1.1432	19			3.9	15		13.9		9	1.33	6.5	3.0	20.31	1.6	
Max.			4.7249	22	7.5		4.0	24		18.6		15	8	8.2	4.2	20.31	1.6	
Min.			3.3890	16	6.4		3.0	3		9.3		1	0	4.5	1.9	20.31	1.6	
Comp.(C)/ Grab(G)			G	G			G	C		C		C	G	G	G	G	C	
Monthly Limit				6-9				30				30	200					

Facility Status: ( Please check one of the following)

All monthly averages and / or other limitation do meet permit monitoring requirements

( Compliant)

All monthly averages and / or other limitation do not meet permit monitoring requirements

( Noncompliant)

If the facility is noncompliant, please comment on corrective actions being taken in respect to equipment, operation, maintenance, etc. and a time table for improvements to be made.

( Attach additional sheets if necessary)

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I certify that this Report is accurate and complete to the best of my knowledge:

*John W. Wooten*  
 Signature of Permittee

PARAMETER CODES

00010	Temperature	00556	Oil and Grease	00950	Dissolved Fluoride	01077	Silver	39516	PCBS
00065	Stream Stage	00600	Total Nitrogen	01002	Total Arsenic	01087	Total Vanadium	39941	Roundup
00076	Turbidity	00610	Ammonia Nitrogen	01027	Cadmium	01092	Zinc	50047	Max. flow during 24-hr. period
00300	Dissolved Oxygen	00625	Total Kjeldahl Nitrogen	01032	Hexavalent Chromium	01105	Total Aluminum	50048	Min. flow during 24-hr. period
00310	BOD <sub>5</sub>	00665	Total Phosphorous	01034	Chromium	01147	Total Selenium	50050	Flow
00340	COD	00720	Cyanide	01037	Total Cobalt	31504	Total Coliform	50060	Total Residual Chlorine
00400	pH	00745	Total Sulfide	01042	Copper	31614	Fecal Coliform, MPN, Tube	71880	Formaldehyde
00500	Total Solids	00927	Total Magnesium	01045	Total Iron	31616	Fecal Coliform	71900	Mercury
00530	TSS	00929	Total Sodium	01051	Lead	32730	Total Phenolics	81318	Ferrocyanides
00545	Settleable Solids	00940	Total Chloride	01067	Nickel	38260	MBAS	85652	Time

The monthly average for fecal coliform is to be reported as a geometric MEAN.

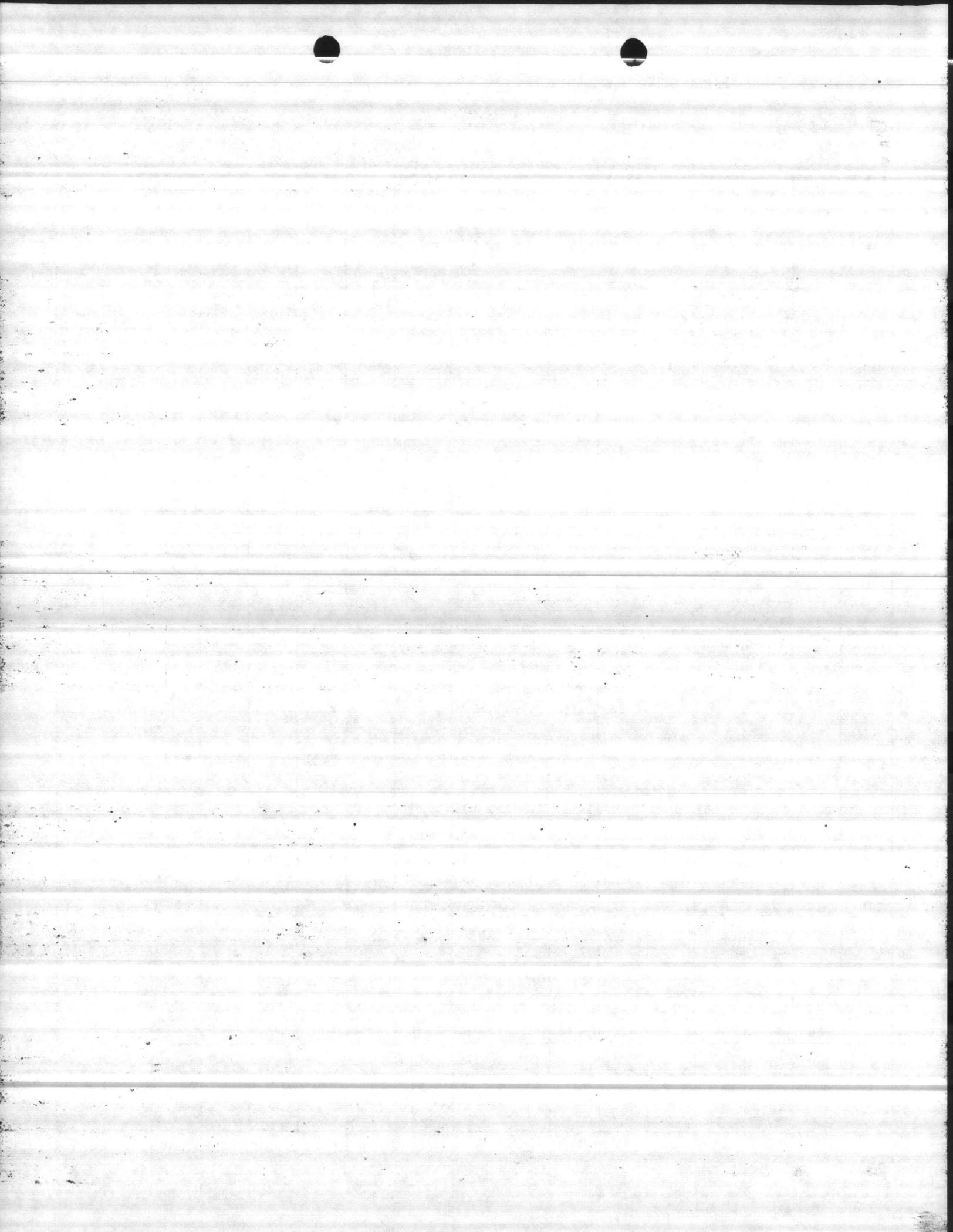
If using alternate units for reporting data, please designate.

# Influent

NPDES NO: NC0003239 DISCHARGE NO: 001 MONTH: April YEAR: 1987

FACILITY NAME: Camp Geiger Sewage Treatment Plant COUNTY: Onslow

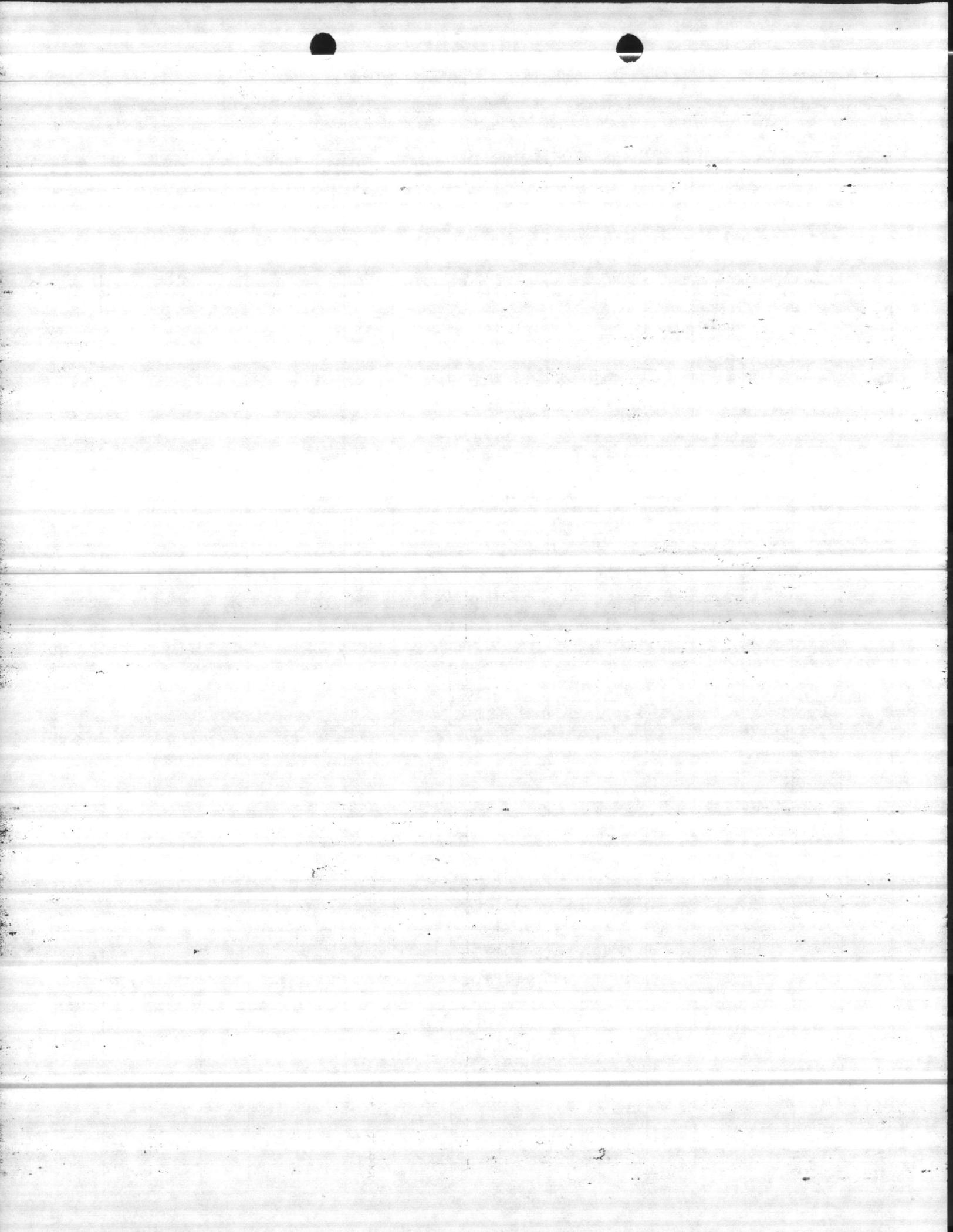
		00400	00010	00545	00310	00610	00500	00530	00340	ENTER PARAMETER CODE ABOVE & NAME AND UNITS BELOW				
Date	Time	Composite Time	PH	Temperature (Celsius)	Settleable Matter	BOD <sub>5</sub> 20 °C	Ammonia Nitrogen	Total Residue	Total Suspended Residue	COD				
		HRS	STG UNITS	°C	ML/L	MG/L	MG/L	MG/L	MG/L	MG/L				
1	00	24				164			112					
2	00	24				172			110					
3	00	24				340			126					
4														
5														
6	00	24				275			68					
7	00	24				300			158					
8	00	24				293			228					
9	00	24				200			124					
10	00	24				148			110					
11														
12														
13	00	24				215			142					
14	00	24				390			176					
15	00	24				296			166					
16	00	24				204			204					
17	00	24				280			170					
18														
19														
20	00	24				230			152					
21	00	24				308			140					
22	00	24				344			325					
23	00	24				300			210					
24	00	24				348			208					
25														
26														
27	00	24				340			248					
28	00	24				348			260					
29	00	24				220			234					
30	00	24				310			162					
31														
AVERAGE						274			179					
MONTHLY MAXIMUM						390			260					
MONTHLY MINIMUM						148			68					
SAMPLE TYPE		C or G				C			C					



# Influent

NPDES NO: NC0063002 DISCHARGE NO: 001 MONTH: April YEAR: 1987  
 FACILITY NAME: Tarawa Terrace Sewage Treatment Plant COUNTY: Onslow

			00400	00010	00545	00310	00610	00500	00530	00340	ENTER PARAMETER CODE ABOVE & NAME AND UNITS BELOW							
Date	Time	Composite Time	PH	Temperature (Celsius)	Settleable Matter	BOD <sub>5</sub> 20 °C	Ammonia Nitrogen	Total Residue	Total Suspended Residue	COD								
		HRS	STD UNITS	°C	ML/L	MG/L	MG/L	MG/L	MG/L	MG/L								
1	00	24				204			164									
2	00	24				520			256									
3	00	24				380			312									
4																		
5																		
6	00	24				235			470									
7	00	24				420			235									
8	00	24				224			158									
9	00	24				168			215									
10	00	24				200			418									
11																		
12																		
13	00	24				360			1932									
14	00	24				273			228									
15	00	24				236			956									
16	00	24				440			1164									
17	00	24				292			276									
18																		
19																		
20	00	24				240			94									
21	00	24				208			184									
22	00	24				164			88									
23	00	24				204			112									
24	00	24				260			192									
25																		
26																		
27	00	24				200			114									
28	00	24				224			122									
29	00	24				228			146									
30	00	24				200			120									
31																		
AVERAGE						267			362									
MONTHLY MAXIMUM						520			1932									
MONTHLY MINIMUM						164			88									
SAMPLE TYPE C or G						C			C									

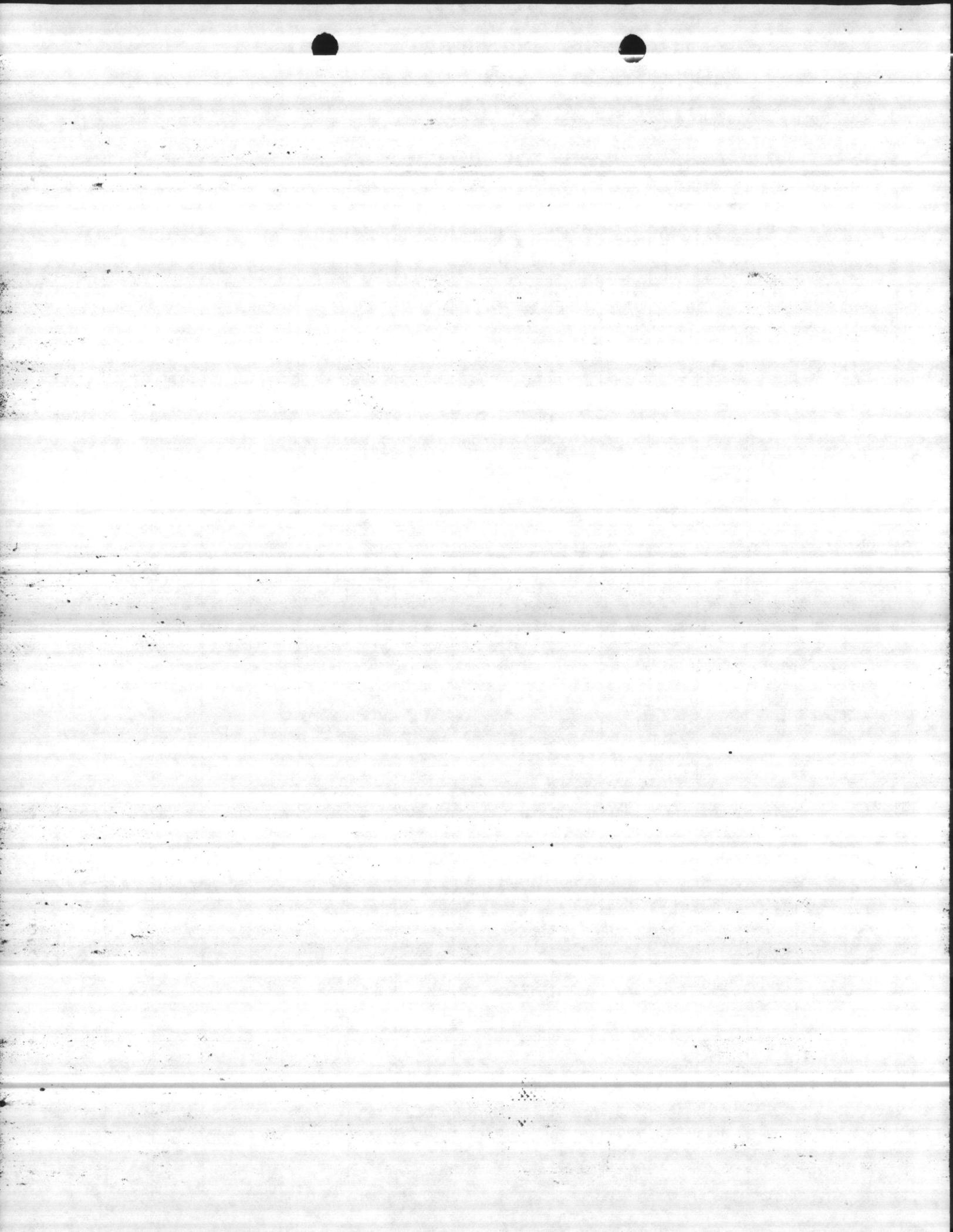


# Influent

NPDES NO: NC0063011 DISCHARGE NO: 001 MONTH: April YEAR: 1987

FACILITY NAME: Camp Johnson (Montford Point) STP COUNTY: Onslow

		00400	00010	00545	00310	00610	00500	00530	00340	ENTER PARAMETER CODE ABOVE & NAME AND UNITS BELOW					
Date	Time	Composite Time	PH	Temperature (Celsius)	Settleable Matter	BOD <sub>5</sub> 20 °C	Ammonia Nitrogen	Total Residue	Total Suspended Residue	COD					
		HRS	STD UNITS	°C	ML/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L				
1	00	24													
2															
3	00	24				340			126						
4															
5															
6	00	24				200			134						
7															
8															
9															
10	00	24				152			182						
11															
12															
13	00	24				208			102						
14															
15															
16															
17	00	24				176			116						
18															
19															
20	00	24				180			82						
21															
22															
23															
24	00	24				308			214						
25															
26															
27	00	24				150			246						
28															
29															
30															
31															
AVERAGE						214			150						
MONTHLY MAXIMUM						340			246						
MONTHLY MINIMUM						152			82						
SAMPLE TYPE C or G						C			C						

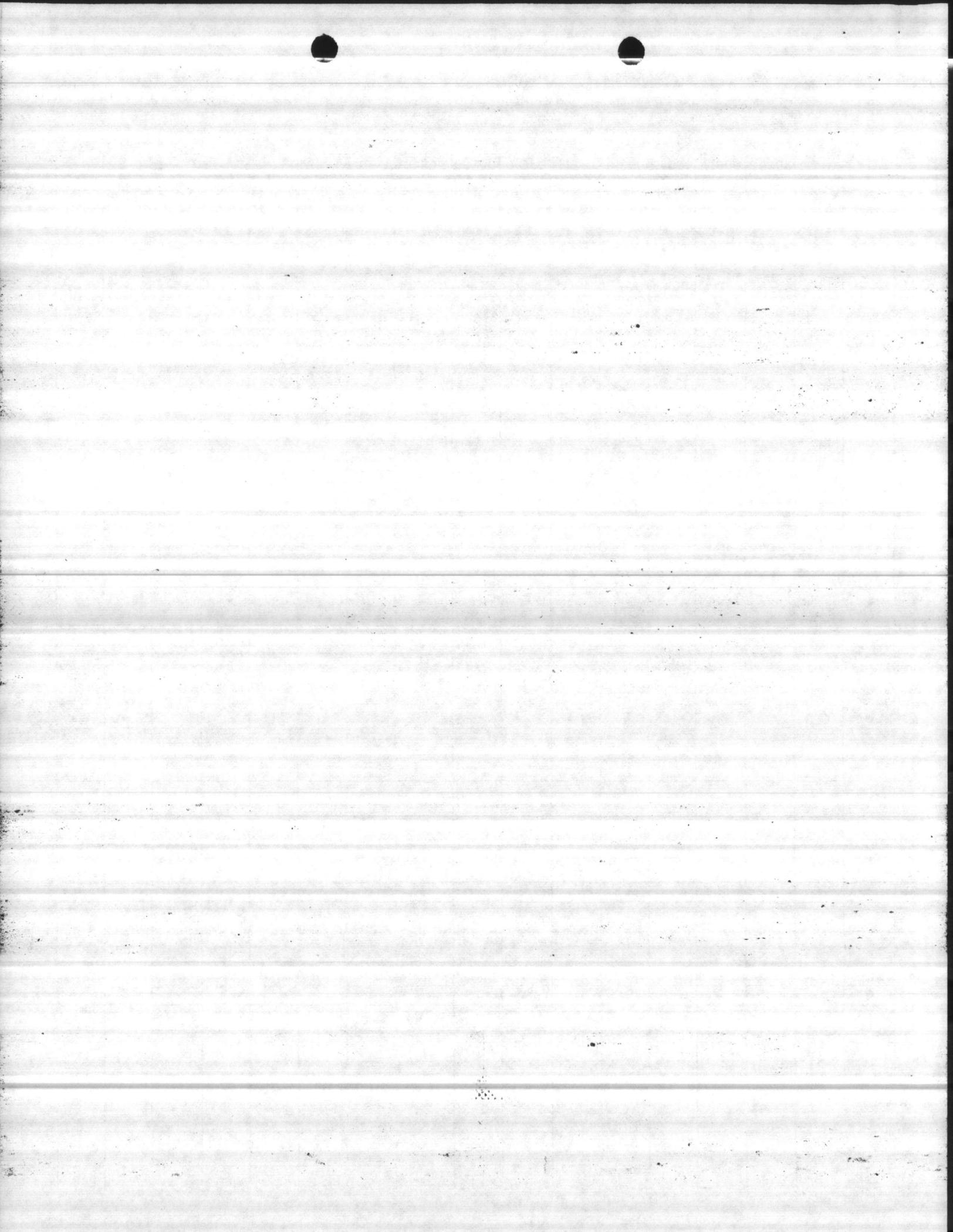


# Influent

NPDES NO: NC0063029 DISCHARGE NO: 001 MONTH: April YEAR: 1987

FACILITY NAME: Hadnot Point Sewage Treatment Plant COUNTY: Onslow

			00400	00010	00545	00310	00610	00500	00530	00340	ENTER PARAMETER CODE ABOVE & NAME AND UNITS BELOW					
Date	Time	Composite Time	PH	Temperature (Celsius)	Settleable Matter	BOD <sub>5</sub> 20 °C	Ammonia Nitrogen	Total Residue	Total Suspended Residue	COD						
		HRS	STD UNITS	°C	ML/L	MG/L	MG/L	MG/L	MG/L	MG/L						
1	00	24				120			146							
2	00	24				140			126							
3	00	24				160			76							
4																
5																
6	00	24				128			122							
7	00	24				120			142							
8	00	24				172			142							
9	00	24				100			82							
10	00	24				136			110							
11																
12																
13	00	24				108			102							
14	00	24				140			140							
15	00	24				172			162							
16	00	24				140			120							
17	00	24				164			78							
18																
19																
20	00	24				120			68							
21	00	24				160			160							
22	00	24				120			92							
23	00	24				128			104							
24	00	24				176			106							
25																
26																
27	00	24				124			106							
28	00	24				128			158							
29	00	24				128			100							
30	00	24				144			136							
31																
AVERAGE						138			117							
MONTHLY MAXIMUM						176			162							
MONTHLY MINIMUM						100			68							
SAMPLE TYPE C or G						C			C							

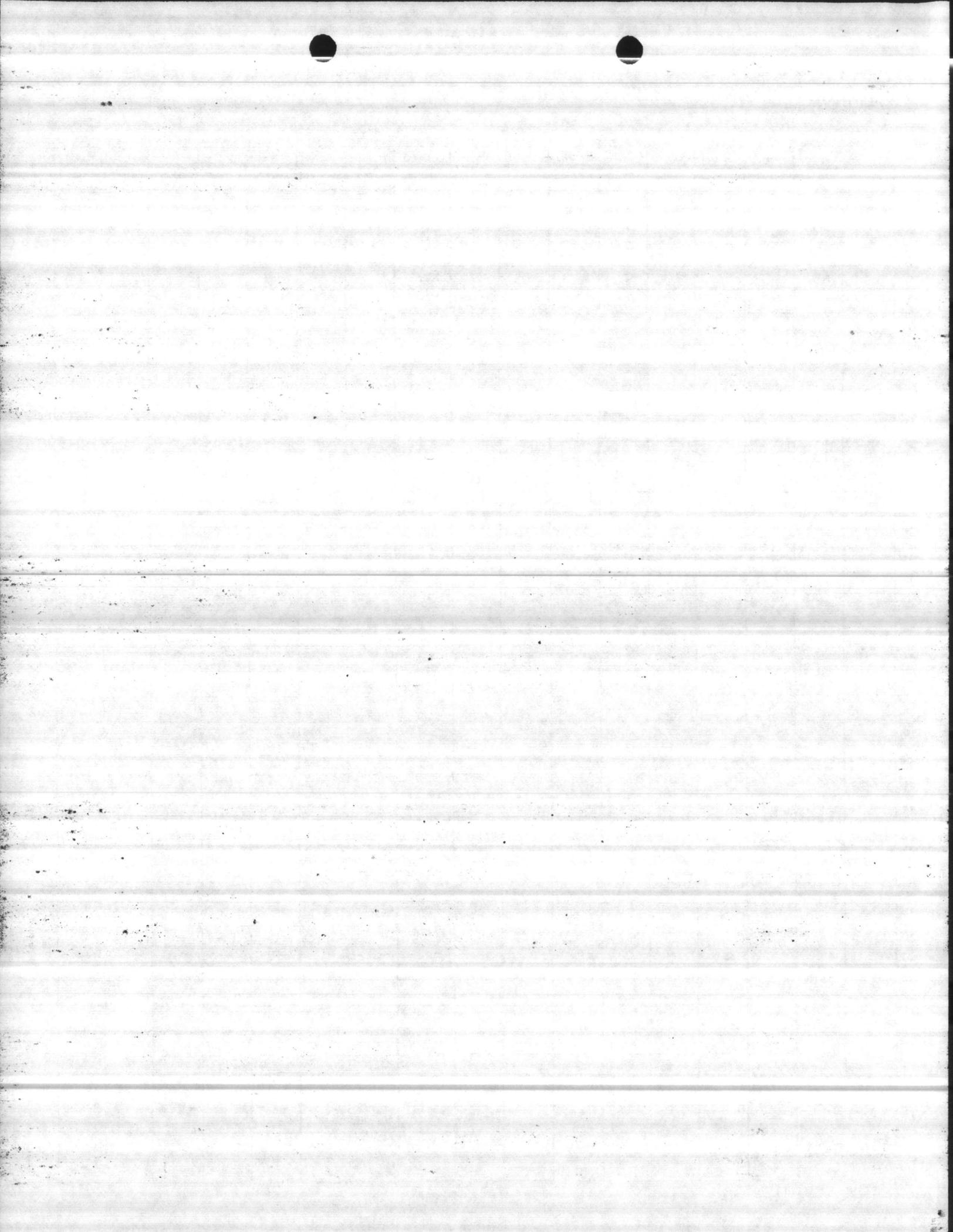


# Influent

NPDES NO: NC0063037 DISCHARGE NO: \_\_\_\_\_ MONTH: April YEAR: 1987

FACILITY NAME: Rifle Range Sewage Treatment Plant COUNTY: Onslow,

		00400	00010	00545	00310	00610	00500	00530	00340	ENTER PARAMETER CODE ABOVE & NAME AND UNITS BELOW					
Date	Time	PH	Temperature (Celsius)	Settleable Matter	BOD <sub>5</sub> 20 °C	Ammonia Nitrogen	Total Residue	Total Suspended Residue	COD						
	Composite Time	STD UNITS	°C	ML/L	MG/L	MG/L	MG/L	MG/L	MG/L						
1	00	24			60			182							
2															
3															
4															
5															
6															
7															
8	00	24			80			116							
9															
10															
11															
12															
13															
14															
15	00	24			48			108							
16															
17															
18															
19															
20															
21															
22	00	24			36			214							
23															
24															
25															
26															
27															
28															
29	00	24			72			140							
30															
31															
AVERAGE					59			152							
MONTHLY MAXIMUM					80			214							
MONTHLY MINIMUM					36			108							
SAMPLE TYPE C or G					C			C							

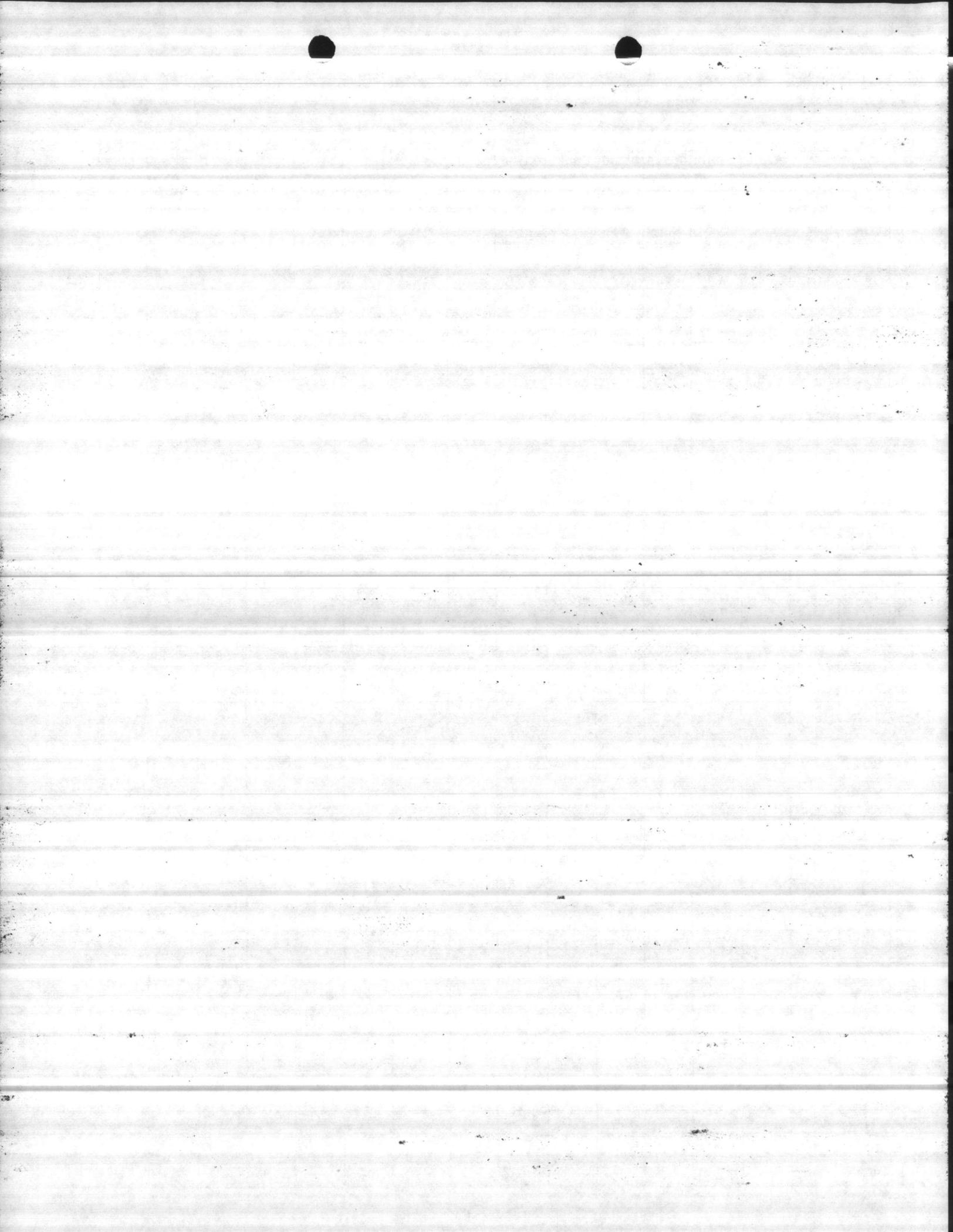


# Influent

NPDES NO: NC0063045 DISCHARGE NO: 001 MONTH: April YEAR: 1987

FACILITY NAME: Courthouse Bay Sewage Treatment Plant COUNTY: Onslow

		00400	00010	00545	00310	00610	00500	00530	00340	ENTER PARAMETER CODE ABOVE & NAME AND UNITS BELOW					
Date	Time	PH	Temperature (Celsius)	Settleable Matter	BOD <sub>5</sub> 20 °C	Ammonia Nitrogen	Total Residue	Total Suspended Residue	COD						
	Composite Time		°C							MI/L	MG/L	MG/L	MG/L	MG/L	MG/L
	HRS	STD UNITS	°C	MI/L	MG/L	MG/L	MG/L	MG/L	MG/L						
1															
2															
3															
4															
5															
6															
7	00	24			72			74							
8															
9															
10															
11															
12															
13															
14	00	24			88			60							
15															
16															
17															
18															
19															
20															
21	00	24			76			54							
22															
23															
24															
25															
26															
27															
28	00	24			80			64							
29															
30															
31															
AVERAGE					79			63							
MONTHLY MAXIMUM					88			74							
MONTHLY MINIMUM					72			54							
SAMPLE TYPE C or G					C			C							

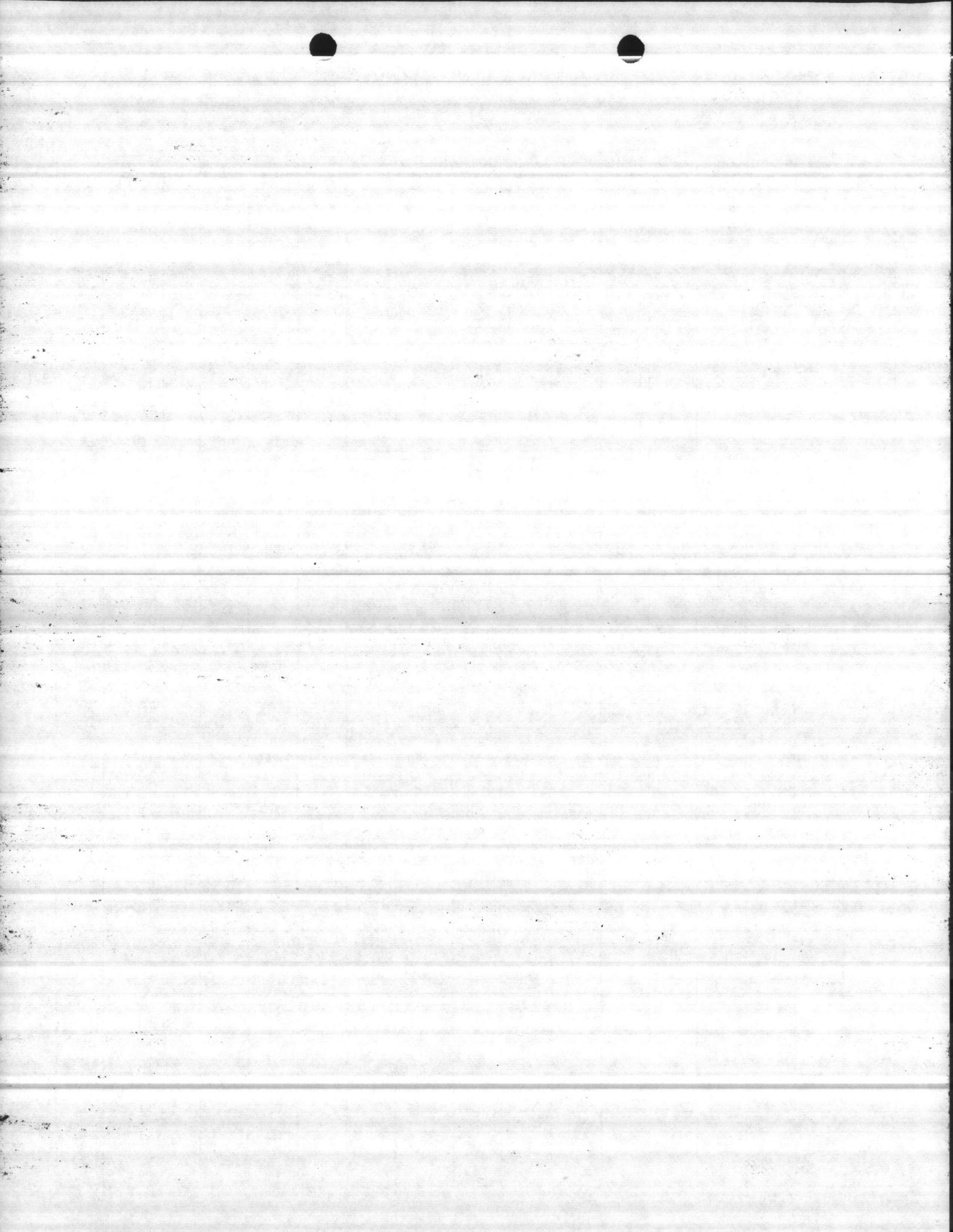


# Influent

NPDES. NO: NC0063053 DISCHARGE NO: 001 MONTH: April YEAR: 1987

FACILITY NAME: Onslow Beach Sewage Treatment Plant COUNTY: Onslow

		00400	00010	00545	00310	00610	00500	00530	00340	ENTER PARAMETER CODE ABOVE & NAME AND UNITS BELOW					
Date	Time	Composite Time	PH	Temperature (Celsius)	Settleable Matter	BOD <sub>5</sub> 20 °C	Ammonia Nitrogen	Total Residue	Total Suspended Residue	COD					
		HRS	STD UNITS	°C	MI/L	MG/L	MG/L	MG/L	MG/L	MG/L					
1															
2	00	24				336			112						
3															
4															
5															
6															
7															
8															
9	00	24				76			112						
10															
11															
12															
13															
14															
15															
16	00	24				120			64						
17															
18															
19															
20															
21															
22															
23	00	24				108			188						
24															
25															
26															
27															
28															
29															
30	00	24				232			46						
31															
AVERAGE						174			104						
MONTHLY MAXIMUM						336			188						
MONTHLY MINIMUM						76			46						
SAMPLE TYPE C or G						C			C						



STORM DRAINS

MONTH: April YEAR: 1987

LOCATION: Marine Corps Base, Camp Lejeune, NC COUNTY: Onslow

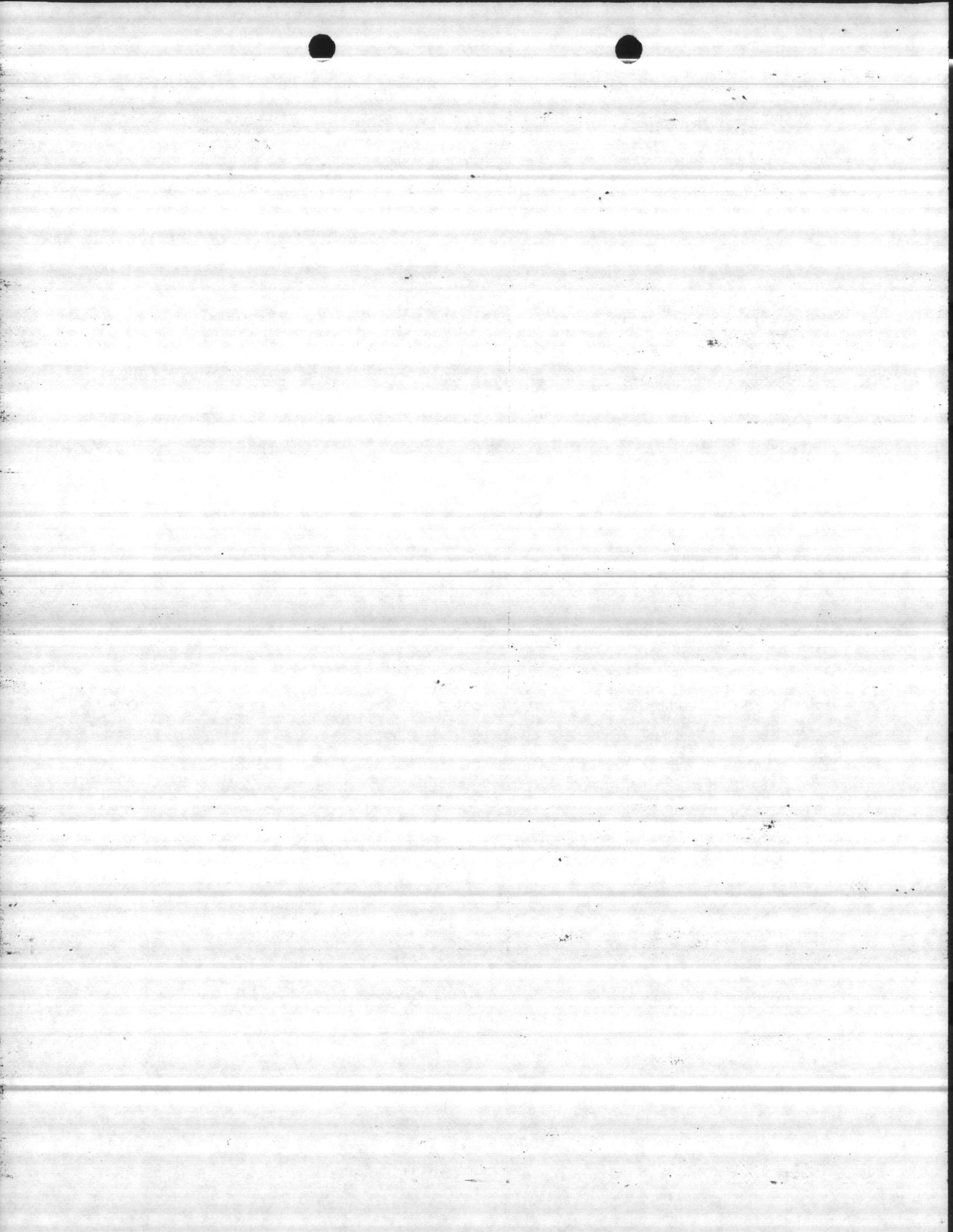
STORM DRAIN NUMBER	DATE COLLECTED	FLOW	pH	TOTAL SUSPENDED RESIDUE	OIL & GREASE
		<u>50050</u>	<u>00400</u>	<u>00530</u>	<u>00556</u>

The following storm drains, collected on April 14, 1987 were found to be dry:

SD70, SD71, SD73, SD75, SD76, SD77

SD72	14 April	583,200	6.4	5.2	16.3
SD74	14 April	583,200	6.5	5.2	19.0

<u>PARAMETER</u>	<u>UNITS</u>	<u>LIMITS</u>
Flow	GPD	None
pH	None	6-9
TSR	mg/l	50 mg/l
O&G	mg/l	15 mg/l



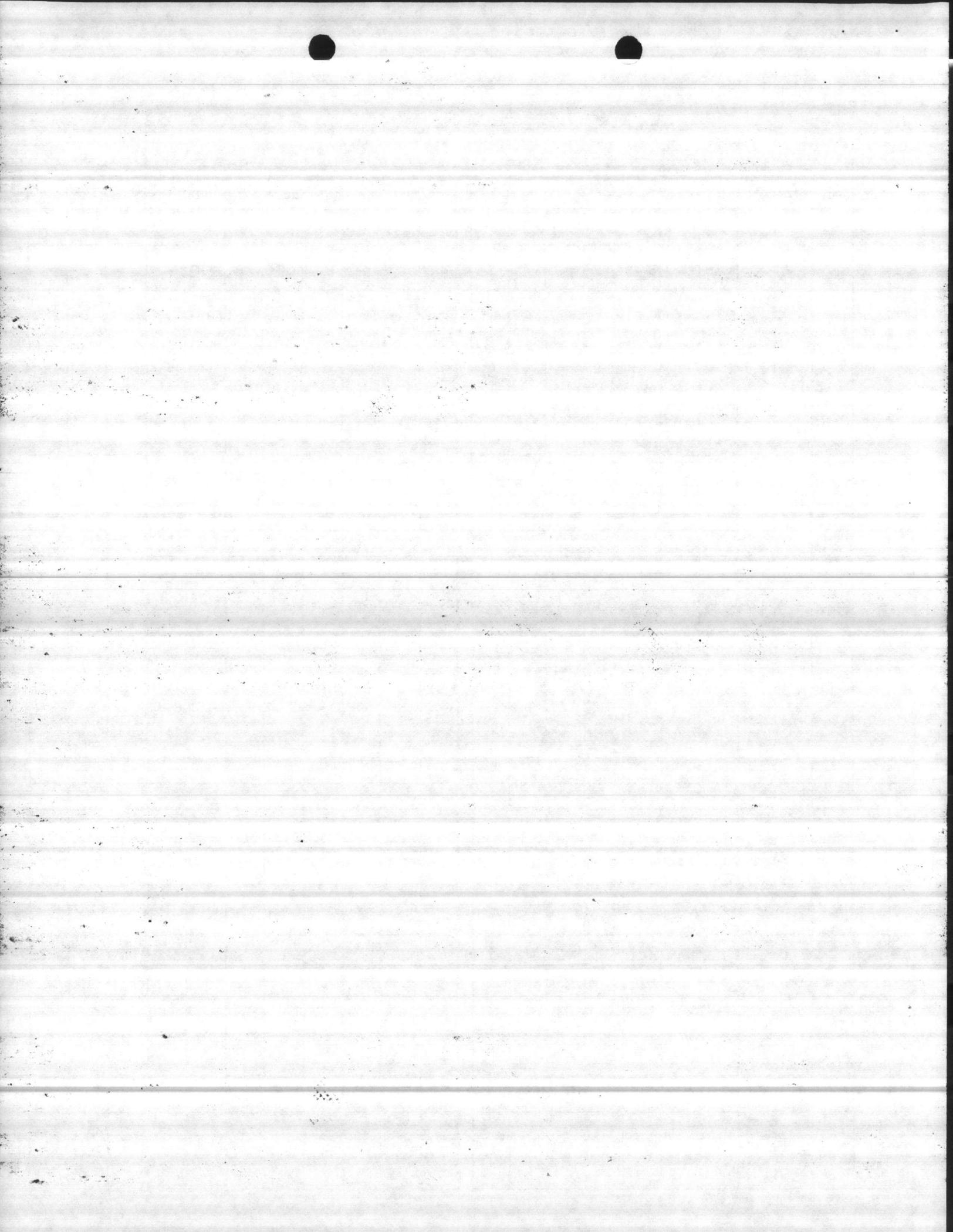
NPDES NO: NC0003239 DISCHARGE NO: 001 MONTH: April YEAR: 1987  
 FACILITY NAME: Camp Geiger Wwage Treatment Plant COUNTY: Onslow  
 STREAM: New River STREAM: New River  
 LOCATION: RW-01 - At Hughes Marina LOCATION: RW-04 - Hospital Point

## Upstream

## Downstream

Date	00010 00300 00400 00310 00340 31616 00556							Enter Parameter Code above Name and Units Below		
	Time 2400 Clock	Temperature (Celsius)	Dissolved Oxygen	PH	BOD5 20°C	COD	Fecal Coliform + Geometric Mean	OIL GREASE		
	HRS	°C	MG/L	STD UNITS	MG/L	MG/L	100ml			
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22	10	22	5.0	7.3	3.6		220	3.4		
23										
24										
25										
26										
27										
28										
29										
30										
31										
Average	22		5.0	7.3	3.6		220	3.4		
Monthly Maximum	22		5.0	7.3	3.6		220	3.4		
Monthly Minimum	22		5.0	7.3	3.6		220	3.4		

Date	00010 00300 00400 00310 00340 31616 00556							Enter Parameter Code above Name and Units Below		
	Time 2400 Clock	Temperature (Celsius)	Dissolved Oxygen	PH	BOD5 20°C	COD	Fecal Coliform + Geometric Mean	OIL GREASE		
	HRS	°C	MG/L	STD UNITS	MG/L	MG/L	100 ml			
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22	10	22	8.7	8.2	3.1		0	0.6		
23										
24										
25										
26										
27										
28										
29										
30										
31										
Average	22		8.7	8.2	3.1		0	0.6		
Monthly Maximum	22		8.7	8.2	3.1		0	0.6		
Monthly Minimum	22		8.7	8.2	3.1		0	0.6		



FACILITY NAME: Tarawa Terracotta STP COUNTY: Onslow

STREAM: Northeast Creek STREAM: Northeast Creek

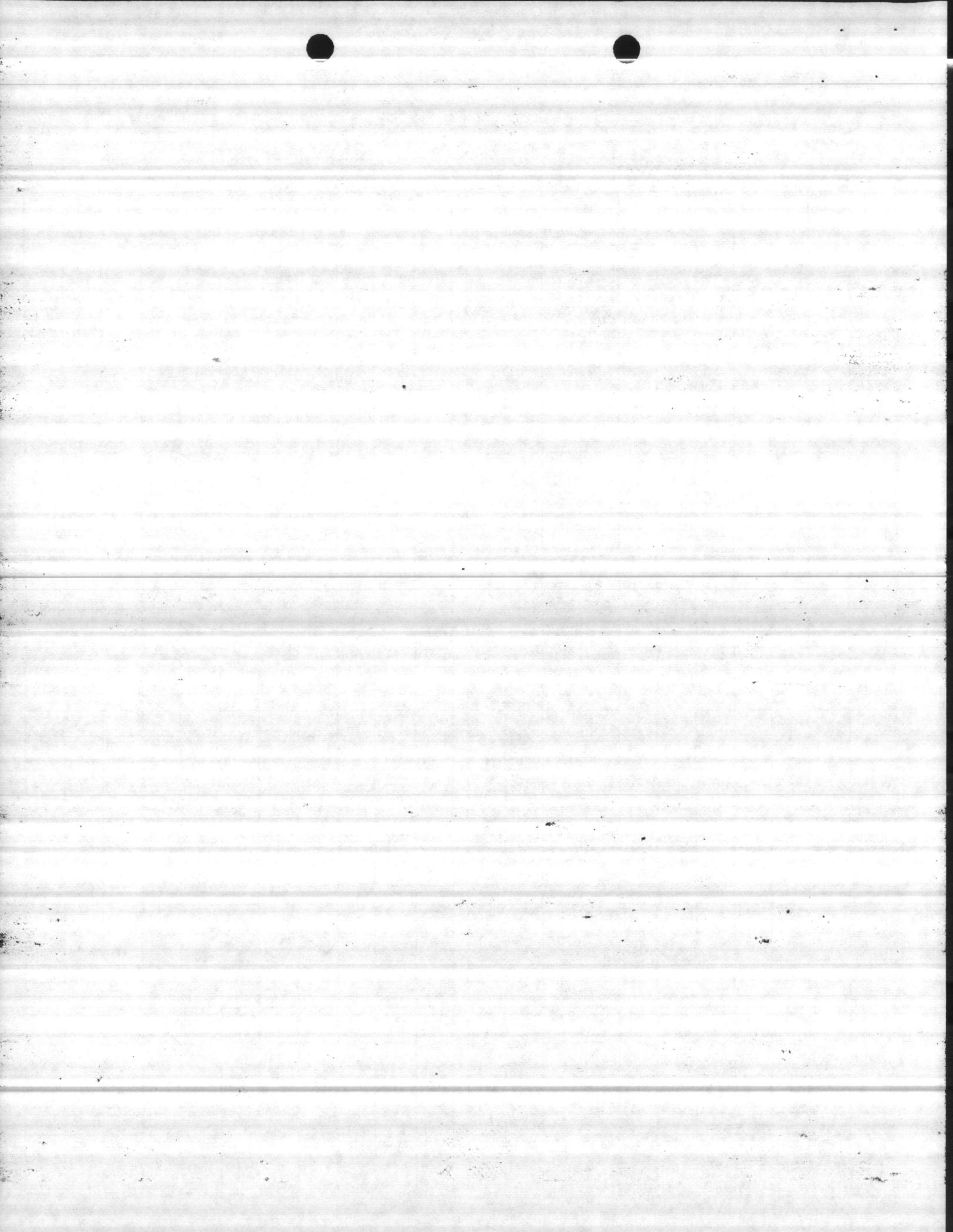
LOCATION: RW02 - At Hgy. 24 Bridge LOCATION: RW03 - Between TT & CJ

## Upstream

## Downstream

Date	Time 2400 Clock	Temperature (Celsius)	Dissolved Oxygen	PH	BOD <sub>5</sub> 20°C	COD	Fecal Coliform *Geometric Mean	Enter Parameter Code above Name and Units Below	
								OIL	GREASE
								HRS	°C
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22	10	22	7.0	7.4	2.5		296	1.7	
23									
24									
25									
26									
27									
28									
29									
30									
31									
Average	22	7.0			2.5		296	1.7	
Monthly Maximum	22	7.0	7.4		2.5		296	1.7	
Monthly Minimum	22	7.0	7.4		2.5		296	1.7	

Date	Time 2400 Clock	Temperature (Celsius)	Dissolved Oxygen	PH	BOD <sub>5</sub> 20°C	COD	Fecal Coliform *Geometric Mean	Enter Parameter Code above Name and Units Below	
								OIL	GREASE
								HRS	°C
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22	10	22	8.5	7.9	2.6		90	1.0	
23									
24									
25									
26									
27									
28									
29									
30									
31									
Average	22	8.5			2.6		90	1.0	
Monthly Maximum	22	8.5	7.9		2.6		90	1.0	
Monthly Minimum	22	8.5	7.9		2.6		90	1.0	



NC0063011  
NPDES NO:

CHARGE NO: 001

MONTH: April

YEAR: 1987

FACILITY NAME: Camp Johnson (Montford Point) STP

COUNTY: Onslow

STREAM: Northeast Creek

STREAM: New River

LOCATION: RW03 - Between TT & CJ

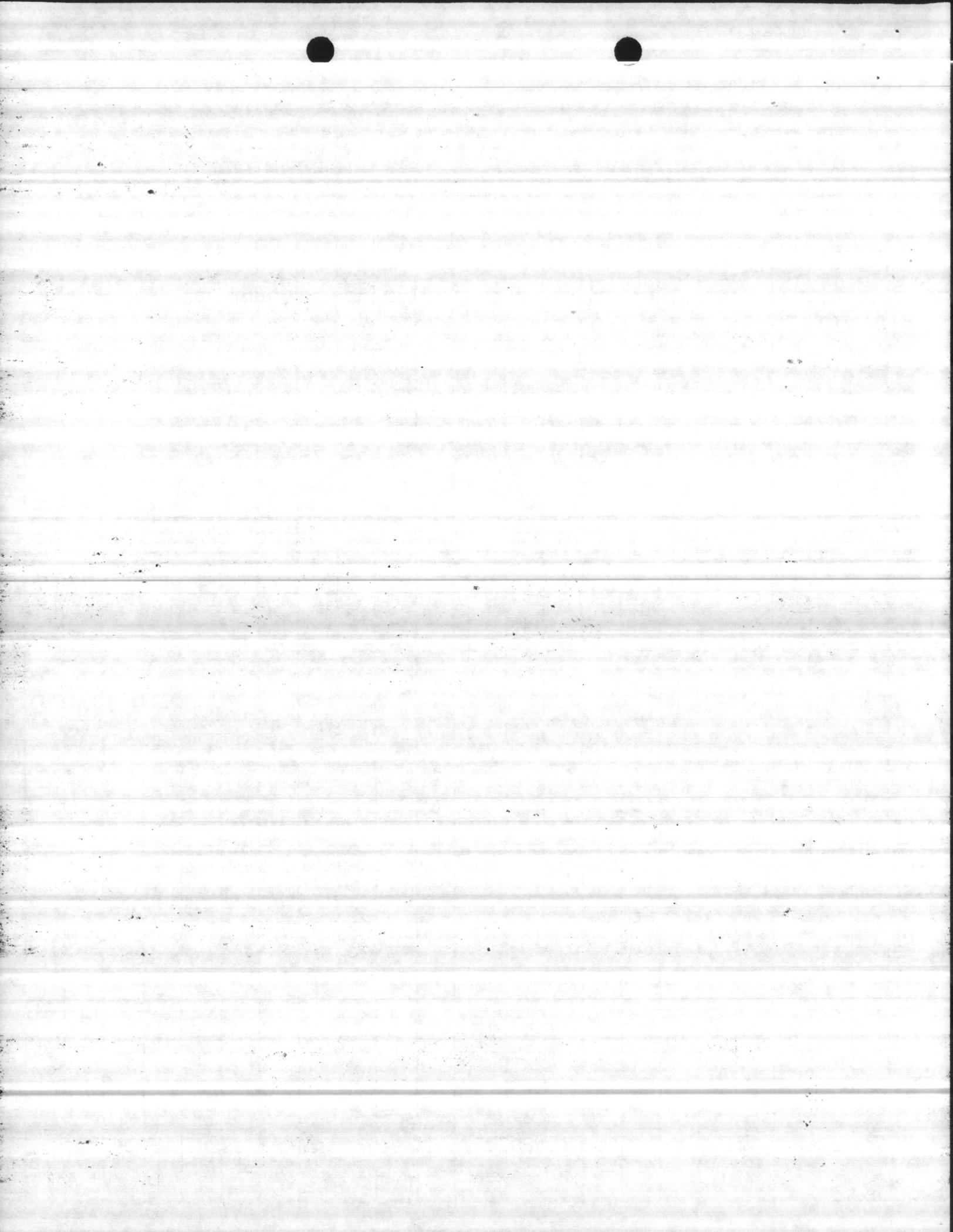
LOCATION: RW04 - Hospital Point

## Upstream

## Downstream

		00010	00300	00400	00310	00340	31616	00556	Enter Parameter Code above Name and Units Below		
Date	Time 2400 Clock	Temperature (Celsius)	Dissolved Oxygen	PH	BOD <sub>5</sub> 20°C	COD	Fecal Coliform *Geometric Mean	OIL			
	HRS	°C	MG/L	STD UNITS	MG/L	MG/L	100 ml	MG/L			
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22	10	22	8.5	7.9	2.6		90	1.0			
23											
24											
25											
26											
27											
28											
29											
30											
31											
Average		22	8.5		2.6		90	1.0			
Monthly Maximum		22	8.5	7.9	2.6		90	1.0			
Monthly Minimum		22	8.5	7.9	2.6		90	1.0			

		00010	00300	00400	00310	00340	31616	00556	Enter Parameter Code above Name and Units Below		
Date	Time 2400 Clock	Temperature (Celsius)	Dissolved Oxygen	PH	BOD <sub>5</sub> 20°C	COD	Fecal Coliform *Geometric Mean	OIL			
	HRS	°C	MG/L	STD UNITS	MG/L	MG/L	100 ml	MG/L			
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22	10	22	8.7	8.2	3.1		0	0.6			
23											
24											
25											
26											
27											
28											
29											
30											
31											
Average		22	8.7		3.1		0	0.6			
Monthly Maximum		22	8.7	8.2	3.1		0	0.6			
Monthly Minimum		22	8.7	8.2	3.1		0	0.6			



NPDES NO: NC0063029 DISCHARGE NO: 001 MONTH: April YEAR: 1987

FACILITY NAME: Hadnot Point Sewage Treatment Plant COUNTY: Onslow

STREAM: New River STREAM: New River

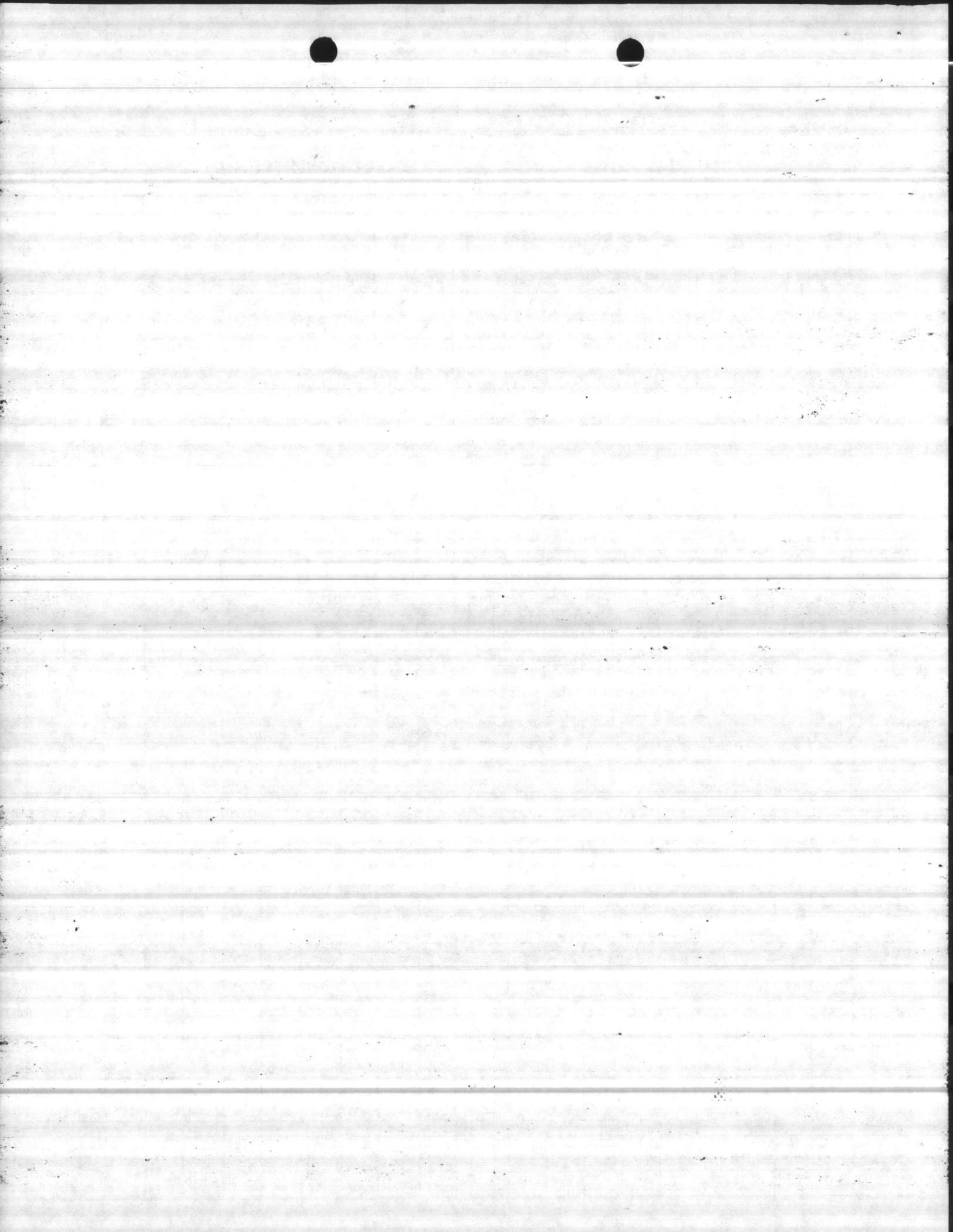
LOCATION: RW04 - Hospital Point LOCATION: RW05 - Merker #35

## Upstream

## Downstream

Date	Time 2400 Clock	00010	00300	00400	00310	00340	31616	00536		
		Temperature (Celsius)	Dissolved Oxygen	PH	BOD5 20°C	COD	Fecal Coliform *Geometric Mean	Enter Parameter Code above Name and Units Below		
		HRS	°C	MG/L	STD UNITS	MG/L	MG/L	100 ml	MG/L	
1										
2										
3										
4										
5										
6										
7										
8										
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10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22	10	22	8.7	8.2	3.1		0	0.6		
23										
24										
25										
26										
27										
28										
29										
30										
31										
Average		22	8.7	8.2	3.1		0	0.6		
Monthly Maximum		22	8.7	8.2	3.1		0	0.6		
Monthly Minimum		22	8.7	8.2	3.1		0	0.6		

Date	Time 2400 Clock	00010	00300	00400	00310	00340	31616	00536		
		Temperature (Celsius)	Dissolved Oxygen	PH	BOD5 20°C	COD	Fecal Coliform *Geometric Mean	Enter Parameter Code above Name and Units Below		
		HRS	°C	MG/L	STD UNITS	MG/L	MG/L	100 ml	MG/L	
1										
2										
3										
4										
5										
6										
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8										
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11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22	11	22	8.2	8.0	2.5		4	1.8		
23										
24										
25										
26										
27										
28										
29										
30										
31										
Average		22	8.2	8.0	2.5		4	1.8		
Monthly Maximum		22	8.2	8.0	2.5		4	1.8		
Monthly Minimum		22	8.2	8.0	2.5		4	1.8		



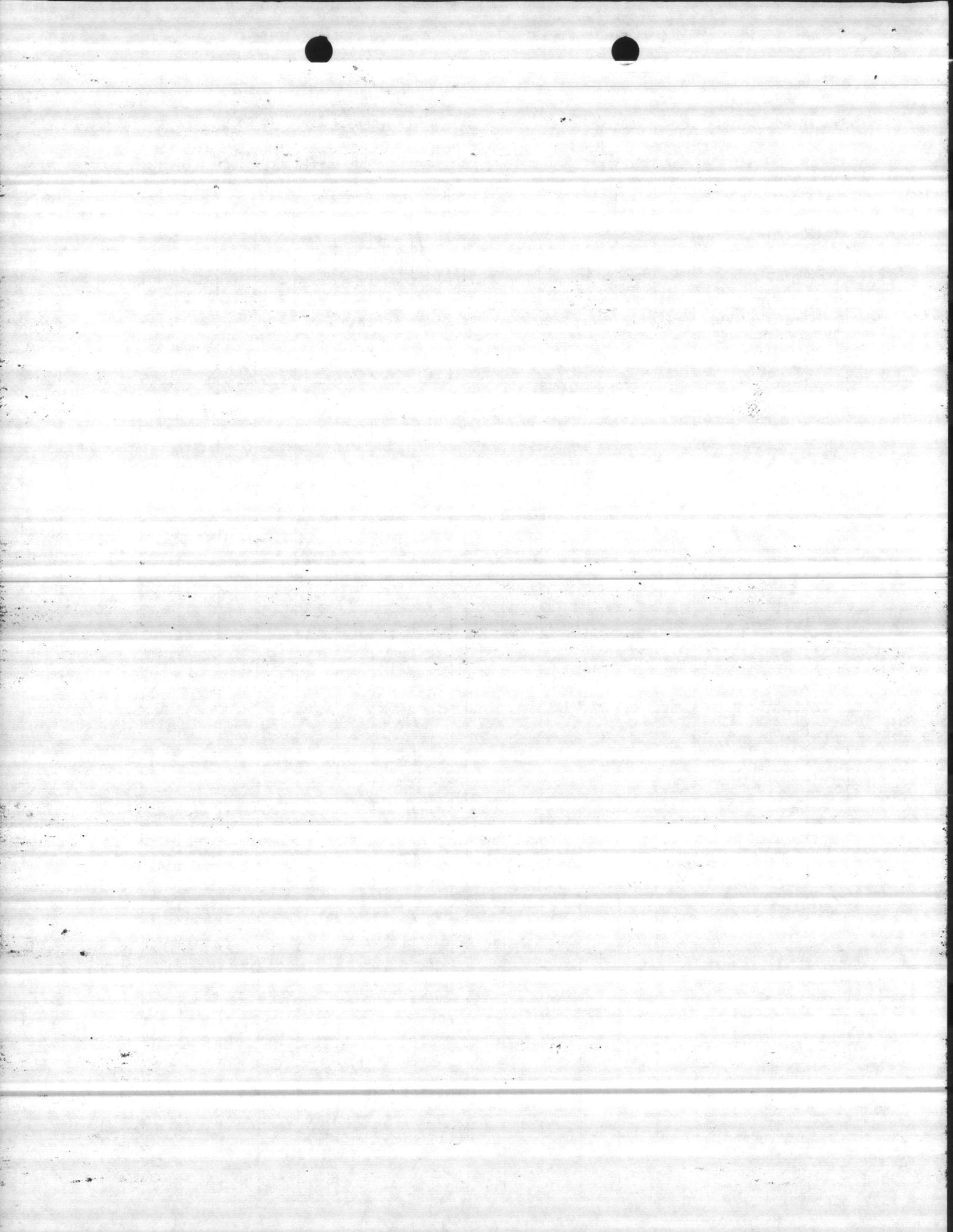
NPDES NO: NC0063037 DISCHARGE NO: 001 MONTH: April YEAR: 1987  
 FACILITY NAME: Rifle Range Sta COUNTY: Onslow  
 STREAM: New River STREAM: New River  
 LOCATION: RW05 - Marker #35 LOCATION: RW06 - Sneads Ferry Bridge

## Upstream

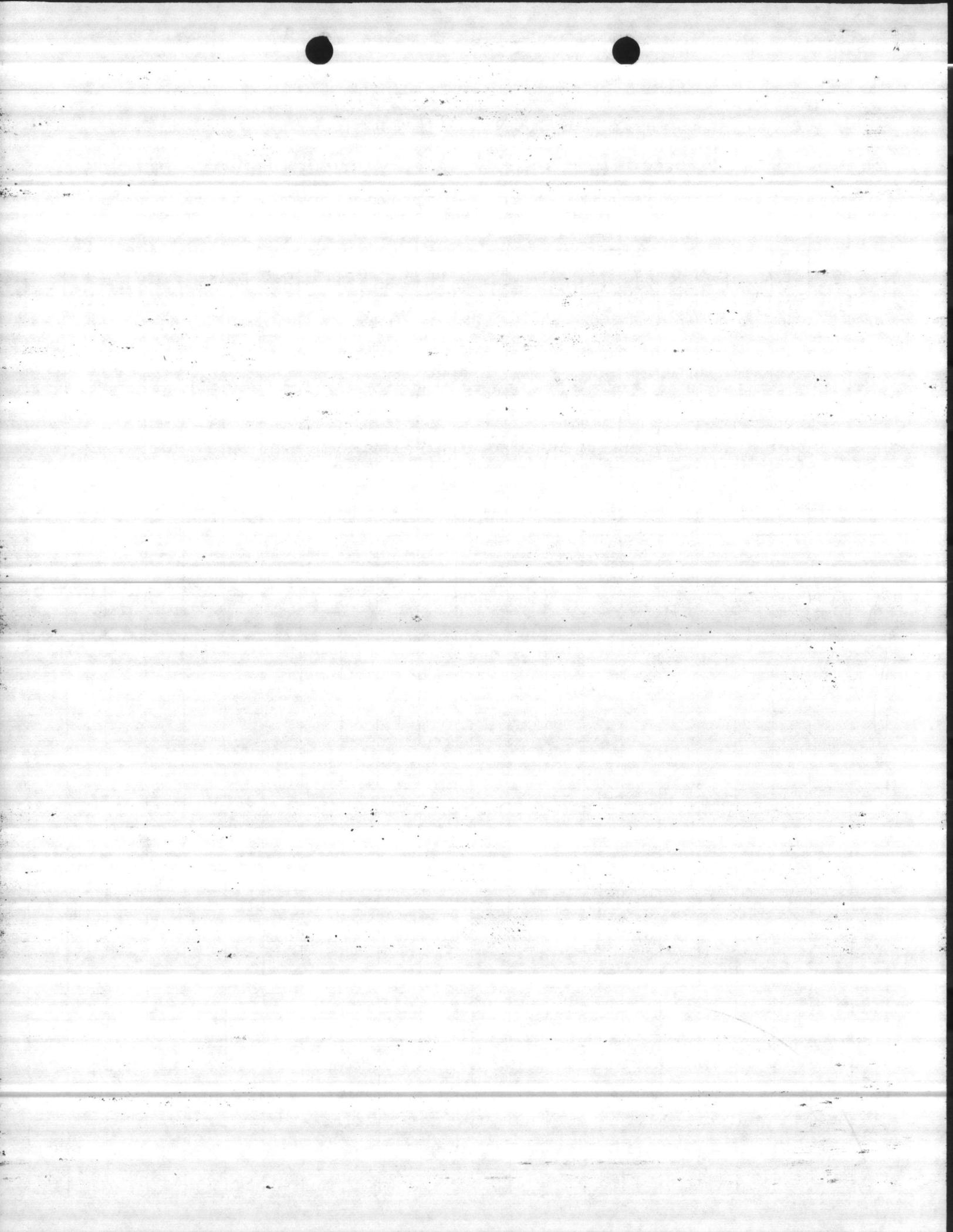
## Downstream

Date	Time 2400 Clock	00010	00300	00400	00310	00340	31616	00552	Enter Parameter Code above Name and Units Below											
		Temperature (Celsius)	Dissolved Oxygen	PH	BOD5 20°C	COD	Fecal Coliform *Geometric Mean													
		HRS °C	MG/L	STD UNITS	MG/L	MG/L	100 ml	MG/L												
1																				
2																				
3																				
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17																				
18																				
19																				
20																				
21																				
22	11	22	8.2	8.0	2.5		4	1.8												
23																				
24																				
25																				
26																				
27																				
28																				
29																				
30																				
31																				
Average	22	8.2		2.5		4	1.8													
Monthly Maximum	22	8.2	8.0	2.5		4	1.8													
Monthly Minimum	22	8.2	8.0	2.5		4	1.8													

Date	Time 2400 Clock	00010	00300	00400	00310	00340	31616	00552	Enter Parameter Code above Name and Units Below												
		Temperature (Celsius)	Dissolved Oxygen	PH	BOD5 20°C	COD	Fecal Coliform *Geometric Mean														
		HRS °C	MG/L	STD UNITS	MG/L	MG/L	100 ml	MG/L													
1																					
2																					
3																					
4																					
5																					
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16																					
17																					
18																					
19																					
20																					
21																					
22	11	22	7.9	8.0	1.7		0	0.8													
23																					
24																					
25																					
26																					
27																					
28																					
29																					
30																					
31																					
Average	22	7.9		1.7		0	0.8														
Monthly Maximum	22	7.9	8.0	1.7		0	0.8														
Monthly Minimum	22	7.9	8.0	1.7		0	0.8														







6288  
NREAD

SEP 23 1987

Mr. Paul Wilms, Director  
Division of Environmental Management  
NC Department of Natural Resources  
and Community Development  
Post Office Box 27687  
Raleigh, North Carolina 27611

Dear Sir:

In accordance with requirements of the National Pollutant Discharge Elimination System (NPDES) Permit Number NC0003239, two copies of Discharge Monitoring Reports (DMRs) for the month of August 1987 are submitted.

Questions regarding this report should be forwarded to Ms. Elizabeth Betz, Supervisory Chemist, Natural Resources and Environmental Affairs Division, Assistant Chief of Staff, Facilities at (919) 451-5977.

Sincerely,

J. I. WOOTEN  
Director, Natural Resources Division  
By direction of the Commanding General

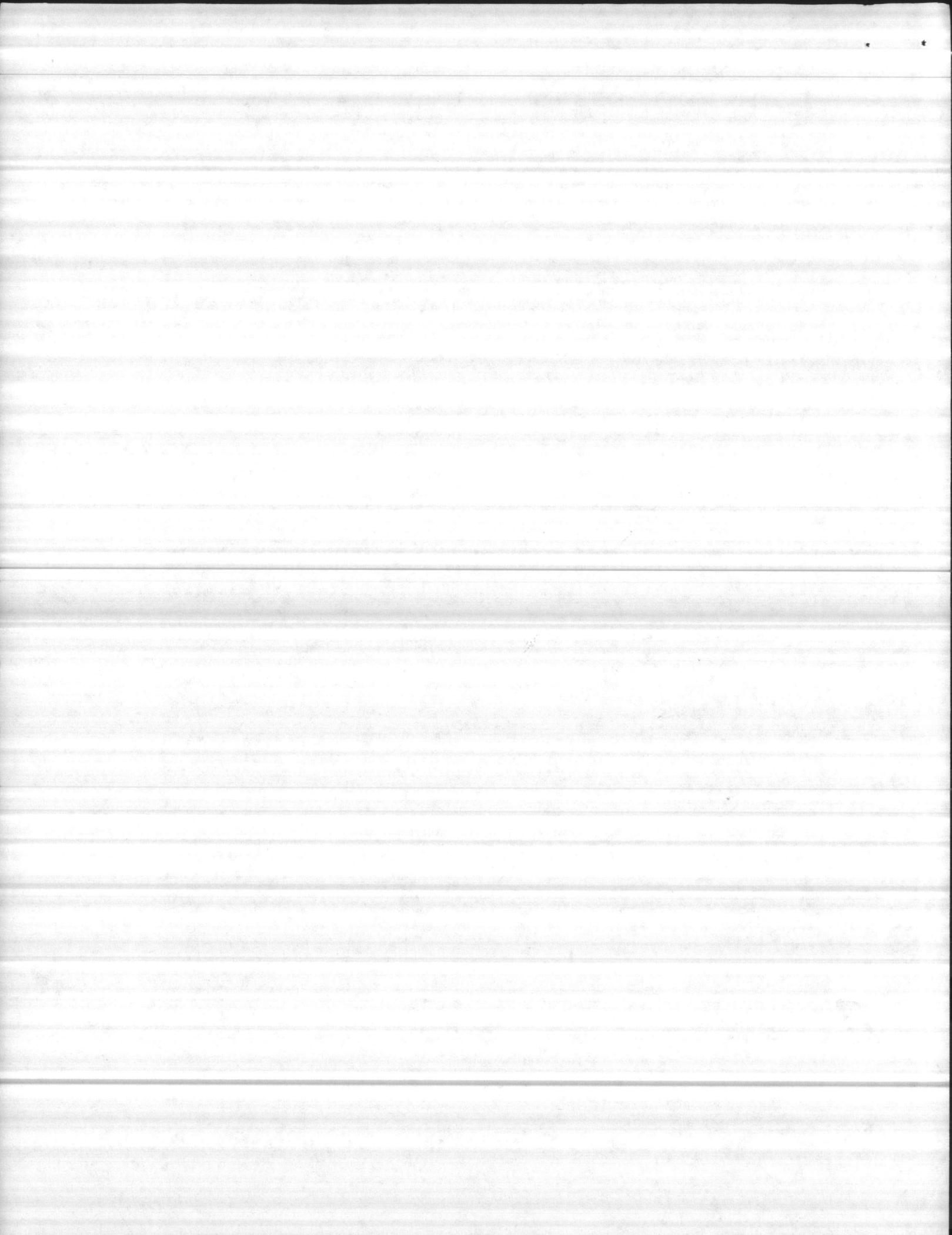
Encls:

(1) DEM Forms MR-1, MR-2 & MR-3 (2 copies)

Copy to:  
EPA Region IV  
CMDR, LANTNAVFACENGCOM  
NEESA

Blind copy to:  
EC&MS, NREAD  
NTIL, BMD

Writer/Typist Betz / Oranadi  
Date Typed 22 Sep 87  
Word Processor Number 6288-1



# EFFLUENT

NPDES PERMIT NO: NC0003239 DISCHARGE NO: 014 MONTH: August YEAR: 1987  
 FACILITY NAME: Onslow Beach WTP Pond CLASS:      COUNTY: Onslow

OPERATOR IN RESPONSIBLE CHARGE (ORC): Mack D. Davis GRADE: IV

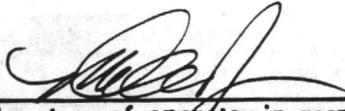
CERTIFIED LABORATORY: Environmental Chemistry & Microbiology Laboratory

PERSON(S) COLLECTING SAMPLES: WTP Operators

CHECK BLOCK IF ORC HAS CHANGED

Mail original and one copy to:  
 ATT: Central Files  
 Division of Environmental Management  
 N C Department of NRCD  
 PO Box 27687  
 Raleigh, North Carolina 27611

I CERTIFY THAT THIS REPORT  
 IS ACCURATE AND COMPLETE TO  
 THE BEST OF MY KNOWLEDGE.

X   
 Signature of operator in responsible charge

DATE	TIME 2400 CLOCK	COMPOSITE TIME	50050	00010	00409	00545	50060	00310	00340	00610	00500	00930	31616	00300	ENTER PARAMETER CODE ABOVE NAME AND UNITS BELOW		
			FLOW EFF <input type="checkbox"/> INF <input type="checkbox"/>	TEMPERATURE CELSIUS		SETTLABLE MATTER	RESIDUAL CHLORINE	BOD5 20°C	COD	AMMONIA NITROGEN	TOTAL RESIDUE	TOTAL SUSPENDED RESIDUE	FECAL COLIFORM Geometric Mean	DISSOLVED OXYGEN			
			DAILY RATE MGD	°C	pH UNIT	ML/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	/100 ML	MG/L			
1																	
2																	
3																	
4	00	24			7.7												
5																	
6																	
7																	
8	00	24			8.0							2.0					
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18	00	24			8.1							8.0					
19																	
20																	
21																	
22																	
23																	
24																	
25	00	24			7.7							4.0					
26																	
27																	
28																	
29																	
30																	
31																	
Average												4.0					
Max.					8.1							8.0					
Min.					7.7							2.0					
Comp.(C)/ Grnb(G)					G							C					
Monthly Limit					6-9							30					

Facility Status: ( Please check one of the following)

All monthly averages and / or other limitation do meet permit monitoring requirements

( Compliant)

All monthly averages and / or other limitation do not meet permit monitoring requirements

( Noncompliant)

If the facility is noncompliant, please comment on corrective actions being taken in respect to equipment, operation, maintenance, etc. and a time table for improvements to be made.

( Attach additional sheets if necessary)

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I certify that this Report is accurate and complete to the best of my knowledge:

*Johan J. Wooten*  
 \_\_\_\_\_  
 Signature of Permittee

PARAMETER CODES

00010	Temperature	00556	Oil and Grease	00950	Dissolved Fluoride	01077	Silver	39516	PCBS
00065	Stream Stage	00600	Total Nitrogen	01002	Total Arsenic	01087	Total Vanadium	39941	Roundup
00076	Turbidity	00610	Ammonia Nitrogen	01027	Cadmium	01092	Zinc	50047	Max. flow during 24-hr. period
00300	Dissolved Oxygen	00625	Total Kjeldahl Nitrogen	01032	Hexavalent Chromium	01105	Total Aluminum	50048	Min. flow during 24-hr. period
00310	BOD <sub>5</sub>	00665	Total Phosphorous	01034	Chromium	01147	Total Selenium	50050	Flow
00340	COD	00720	Cyanide	01037	Total Cobalt	31504	Total Coliform	50060	Total Residual Chlorine
00400	pH	00745	Total Sulfide	01042	Copper	31614	Fecal Coliform, MPN, Tube	71880	Formaldehyde
00500	Total Solids	00927	Total Magnesium	01045	Total Iron	31616	Fecal Coliform	71900	Mercury
00530	TSS	00929	Total Sodium	01051	Lead	32730	Total Phenolics	81318	Ferrocyanides
00545	Settleable Solids	00940	Total Chloride	01067	Nickel	38260	MBAS	85652	Time

The monthly average for fecal coliform is to be reported as a geometric MEAN.

If using alternate units for reporting data, please designate.

# EFFLUENT

**NPDES PERMIT NO:** NC0063053    **DISCHARGE NO:** 001    **MONTH:** August    **YEAR:** 1987  
**FACILITY NAME:** Onslow Beach STP    **CLASS:** II    **COUNTY:** Onslow  
**OPERATOR IN RESPONSIBLE CHARGE (ORC):** Mack D. Davis    **GRADE:** IV  
**CERTIFIED LABORATORY:** Environmental Chemistry and Microbiology Laboratory

CHECK BLOCK IF ORC HAS CHANGED   
 Mail original and one copy to:  
 ATT: Central Files  
 Division of Environmental Management  
 N C Department of NRCD  
 PO Box 27687  
 Raleigh, North Carolina 27611

**PERSON(s) COLLECTING SAMPLES:** STP Operators

I CERTIFY THAT THIS REPORT  
 IS ACCURATE AND COMPLETE TO  
 THE BEST OF MY KNOWLEDGE.



X \_\_\_\_\_  
 Signature of operator in responsible charge

DATE	TIME 2400 CLOCK	COMPOSITE TIME	50050 00010 00403 00545 50060 00310 00340 00610 00500 00530 21416 00300 00554 00600											ENTER PARAMETER CODE ABOVE NAME AND UNITS BELOW				
			FLOW	TEMPERATURE CELSIUS	PH	SETTLABLE MATTER	RESIDUAL CHLORINE	BOD5 20°C	COD	AMMONIA NITROGEN	TOTAL RESIDUE	TOTAL SUSPENDED RESIDUE	FECAL COLIFORM Geometric Mean	DISSOLVED OXYGEN	OIL & GREASE	TOTAL NITROGEN		
			EFF <input type="checkbox"/>															
HRS	MGD	°C	UNIT	ML/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	/100 ML	MG/L	MG/L	MG/L	MG/L			
1			.10150				5.0											
2			.11782				3.5											
3			.11303				4.0											
4			.13164				5.0											
5			.13041				3.5											
6	00	24	.13095	24	6.8		5.0	14		2.0	8	0	4.5	8.4				
7			.12440				5.0											
8			.12898				5.0											
9			.12557				5.0											
10			.12639	24	7.0		6.0											
11			.12932				6.0							2.7				
12			.13445				5.0											
13	00	24	.13082	23	6.8		3.0	10		1.5	10	0	5.6	6.55				
14			.1929				4.5											
15			.11244				4.5											
16			.12142				4.5											
17			.12037				4.5											
18			.12273	24	6.7		3.0											
19			.12082				4.5											
20	00	24	.16008	24	6.8		4.0	7		0.08	8	0	6.7					
21			.10762				5.0											
22			.12517				5.0											
23			.11301				5.0											
24			.10578				5.0											
25			.14140	24	6.6		0.5						6.0					
26			.10600				4.0											
27	00	24	.10599	24	6.8		4.0	4		0.27	4	0	7.0					
28			.09801				4.0											
29			.08815				4.0											
30			.09922				4.0											
31																		
32																		
<b>Average</b>			.12181	24			4.4	9		1.00	8	0	6.0	5.6	6.55			
<b>Max.</b>			.19290	24	7.0		6.0	14		2.00	10	0	7.0	8.4	6.55			
<b>Min.</b>			.08815	23	6.6		0.5	4		0.08	4	0	4.5	2.7	6.55			
<b>Comp.(C)/ Grab(G)</b>			G	G			G	C		C	C	G	G	G	G	C		
<b>Monthly Limit</b>					6-8.5			30					5	30				

Facility Status: ( Please check one of the following)

All monthly averages and / or other limitation do meet permit monitoring requirements  ( Compliant)

All monthly averages and / or other limitation do not meet permit monitoring requirements  ( Noncompliant)

If the facility is noncompliant, please comment on corrective actions being taken in respect to equipment, operation, maintenance, etc. and a time table for improvements to be made.

( Attach additional sheets if necessary)

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I certify that this Report is accurate and complete to the best of my knowledge:

*John D. Wooten*  
 Signature of Permittee

PARAMETER CODES

00010 Temperature	00556 Oil and Grease	00950 Dissolved Fluoride	01077 Silver	39516 PCBS
00065 Stream Stage	00600 Total Nitrogen	01002 Total Arsenic	01087 Total Vanadium	39941 Roundup
00076 Turbidity	00610 Ammonia Nitrogen	01027 Cadmium	01092 Zinc	50047 Max. flow during 24-hr. period
00300 Dissolved Oxygen	00625 Total Kjeldahl Nitrogen	01032 Hexavalent Chromium	01105 Total Aluminum	50048 Min. flow during 24-hr. period
00310 BOD <sub>5</sub>	00665 Total Phosphorous	01034 Chromium	01147 Total Selenium	50050 Flow
00340 COD	00720 Cyanide	01037 Total Cobalt	31504 Total Coliform	50060 Total Residual Chlorine
00400 pH	00745 Total Sulfide	01042 Copper	31614 Fecal Coliform, MPN, Tube	71880 Formaldehyde
00500 Total Solids	00927 Total Magnesium	01045 Total Iron	31616 Fecal Coliform	71900 Mercury
00530 TSS	00929 Total Sodium	01051 Lead	32730 Total Phenolics	81318 Ferrocyanides
00545 Settleable Solids	00940 Total Chloride	01067 Nickel	38260 MBAS	85652 Time

The monthly average for fecal coliform is to be reported as a geometric MEAN.

If using alternate units for reporting data, please designate.

# EFFLUENT

NPDES PERMIT NO: NC0063045 DISCHARGE NO: 001 MONTH: August YEAR: 1987

FACILITY NAME: Courthouse Bay STP CLASS: II COUNTY: Onslow

OPERATOR IN RESPONSIBLE CHARGE (ORC): Mack D. Davis GRADE: IV

CERTIFIED LABORATORY: Environmental Chemistry and Microbiology Laboratory

PERSON(S) COLLECTING SAMPLES STP Operators

CHECK BLOCK IF ORC HAS CHANGED

Mail original and one copy to:  
 ATT: Central Files  
 Division of Environmental Management  
 NC Department of NRCD  
 PO Box 27687  
 Raleigh, North Carolina 27611

I CERTIFY THAT THIS REPORT  
 IS ACCURATE AND COMPLETE TO  
 THE BEST OF MY KNOWLEDGE.

X



Signature of operator in responsible charge

DATE	TIME 2400 CLOCK	COMPOSITE TIME	50050	00010	00403	00545	50060	00310	00340	00610	00500	00530	31676	00300	00550 00600 00609		
			FLOW EFF <input checked="" type="checkbox"/>	TEMPERATURE CELSIUS	pH	SETTLABLE MATTER	RESIDUAL CHLORINE	BOD5 20°C	COD	AMMONIA NITROGEN	TOTAL RESIDUE	TOTAL SUSPENDED RESIDUE	FECAL COLIFORM	DISSOLVED OXYGEN	Oil & Grease	Total Nitrogen	Total Phosphorus
		DAILY RATE	MGD	C°	UNIT	ML/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	/100 ML	MG/L	MG/L	MG/L	MG/L
1	00	24	.5950				4.0										
2	00	24	.5950				4.0										
3	00	24	.5950				0.0										
4	00	24	.3698	29	7.2		5.0	S.E.*		0.28		S.E.*	0	5.6	1.4		
5	00	24	.4144				3.0										
6	00	24	.4293				3.5										
7	00	24	.5950				4.0										
8	00	24	.3333				4.0										
9	00	24	.4174				4.0										
10	00	24	.4421	26	6.8		3.0							5.3			
11	00	24	.4615				6.0	8		0.10		5	0		2.7		
12	00	24	.4337				2.5										
13	00	24	.4409				4.0										
14	00	24	.5950				3.0										
15	00	24	.5950				2.0										
16	00	24	.4539				5.0										
17	00	24	.4537				4.0										
18	00	24	.4832	28	7.2		2.0	4		0.15	5		0	6.4			
19			.5731				2.0										
20			.5625				3.5										
21			.5170				5.0										
22			.4630				4.0										
23			.4197				4.0										
24			.4600				4.0										
25	00	24	.4362	24	7.4		2.0	6		0.11		4	0	7.0			
26			.4547				4.5										
27			.4501	26	7.2		5.0							6.8			
28			.4725				2.5										
29			.5950				2.5										
30			.5950				3.0										
31			.4536				3.0										
Average			.4889	27			3.5			0.16	5	0	6.2	2.1			
Max.			.5950	29	7.4		6.0			.15	5	0	7.0	2.7			
Min.			.4144	24	6.8		0.0			0.10	4	0	5.3	1.4			
Comp.(C)/Grab(G)			G	G			G	C		C	C	G	G	G			
Monthly Limit					6-8.5			30			30	14	>5	30			

Facility Status: ( Please check one of the following)

All monthly averages and / or other limitation do meet permit monitoring requirements

( Compliant)

All monthly averages and / or other limitation do not meet permit monitoring requirements

( Noncompliant)

If the facility is noncompliant, please comment on corrective actions being taken in respect to equipment, operation, maintenance, etc. and a time table for improvements to be made.

( Attach additional sheets if necessary)

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I certify that this Report is accurate and complete to the best of my knowledge:

*Julian J. Wooten*  
 Signature of Permittee

PARAMETER CODES

00010 Temperature	00556 Oil and Grease	00950 Dissolved Fluoride	01077 Silver	39516 PCBS
00065 Stream Stage	00600 Total Nitrogen	01002 Total Arsenic	01087 Total Vanadium	39941 Roundup
00076 Turbidity	00610 Ammonia Nitrogen	01027 Cadmium	01092 Zinc	50047 Max. flow during 24-hr. period
00300 Dissolved Oxygen	00625 Total Kjeldahl Nitrogen	01032 Hexavalent Chromium	01105 Total Aluminum	50048 Min. flow during 24-hr. period
00310 BOD <sub>5</sub>	00665 Total Phosphorous	01034 Chromium	01147 Total Selenium	50050 Flow
00340 COD	00720 Cyanide	01037 Total Cobalt	31504 Total Coliform	50060 Total Residual Chlorine
00400 pH	00745 Total Sulfide	01042 Copper	31614 Fecal Coliform, MPN, Tube	71880 Formaldehyde
00500 Total Solids	00927 Total Magnesium	01045 Total Iron	31616 Fecal Coliform	71900 Mercury
00530 TSS	00929 Total Sodium	01051 Lead	32730 Total Phenolics	81318 Ferrocyanides
00545 Settleable Solids	00940 Total Chloride	01067 Nickel	38260 MBAS	85652 Time

The monthly average for fecal coliform is to be reported as a geometric MEAN.

If using alternate units for reporting data, please designate.

# EFFLUENT

**NPDES PERMIT NO:** NC0063029    **DISCHARGE NO:** 001    **MONTH:** August    **YEAR:** 1987  
**FACILITY NAME:** Hadnot Point Sewage Treatment Plant    **CLASS:** IV    **COUNTY:** Onslow  
**OPERATOR IN RESPONSIBLE CHARGE (ORC):** Mack D. Davis    **GRADE:** IV  
**CERTIFIED LABORATORY:** Environmental Chemistry and Microbiology Laboratory

**PERSON(S) COLLECTING SAMPLES:** STP Operators

CHECK BLOCK IF ORC HAS CHANGED

Mail original and one copy to:  
 ATT: Central Files  
 Division of Environmental Management  
 NC Department of NRCD  
 PO Box 27687  
 Raleigh, North Carolina 27611

I CERTIFY THAT THIS REPORT  
 IS ACCURATE AND COMPLETE TO  
 THE BEST OF MY KNOWLEDGE.

X

Signature of operator in responsible charge

DATE	TIME 2400 CLOCK	COMPOSITE TIME	50050	00010	00407	00545	50060	00310	00340	00610	00500	00530	31676	00300	00550 00600 00645			
			FLOW EFF <input type="checkbox"/>	TEMPERATURE CELSIUS	pH	SETTLABLE MATTER	RESIDUAL CHLORINE	BOD5 20°C	COD	AMMONIA NITROGEN	TOTAL RESIDUE	TOTAL SUSPENDED RESIDUE	FECAL COLIFORM Geometric Mean	DISSOLVED OXYGEN	Oil & Grease	Total Nitrogen	Total Phosphorus	ENTER PARAMETER CODE ABOVE NAME AND UNITS BELOW
			DAILY RATE															
			MGD	C°	UNIT	ML/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	/100 ML	MG/L	MG/T	MG/T	MG/T	
1	00	24	4.850	28	6.8		4.0							6.0				
2	00	24	4.741	28	6.8		4.0							6.5				
3	00	24	5.496	25	6.7		4.0	9		0.9		9	0	6.2				
4	00	24	5.393	27	6.9		4.0	8		3.7		15	2	5.7				
5	00	24	5.450	27	6.9		4.0	9		4.6		14	0	4.9	2.2			
6	00	24	5.842	25	7.0		4.0	10		4.1		12	16	5.2				
7	00	24	5.630	26	6.9		4.0	10		4.4		10	0	5.0				
8	00	24	5.485	27	6.9		4.0							5.1				
9	00	24	4.440	25	6.9		3.0							5.0				
10	00	24	5.361	26	7.0		3.0	12		3.2		15	2	5.1				
11	00	24	5.928	26	7.0		3.0	13		3.6		10	0	5.0				
12	00	24	5.309	25	7.0		3.0	18		3.6		11	0	5.3		12.70	4.1	
13	00	24	5.418	25	7.0		3.0	23		4.0		12	2	5.1				
14	00	24	5.144	25	6.8		3.0	12		5.2		9	2	5.2				
15	00	24	4.860	25	6.7		4.0							5.2				
16	00	24	4.635	26	6.8		4.0							5.1				
17	00	24	5.474	27	6.8		4.0	11		2.5		6	2	5.6				
18	00	24	5.849	27	6.8		4.0	9		3.5		12	0	5.5				
19	00	24	6.617	27	7.1		4.0	9		2.5		10	0	5.9				
20	00	24	6.925	25	7.1		4.0	14		4.3		11	0	6.0				
21	00	24	5.703	27	6.8		3.0	10		4.6		7	0	6.0				
22	00	24	4.847	27	6.9		4.0							6.0				
23	00	24	5.185	26	6.8		3.0							5.8				
24	00	24	5.653	26	6.8		3.0	9		1.8		11	2	5.1	3.0			
25	00	24	5.526	24	7.0		4.0	10		3.9		6	0	5.5				
26	00	24	5.676	27	6.8		4.0	12		3.6		11	0	5.3				
27	00	24	6.519	28	6.9		4.0	11		3.6		11	0	5.2				
28	00	24	5.788	27	6.9		4.0	12		3.2		11	2	5.2				
29	00	24	5.349	26	6.9		4.0							4.5				
30	00	24	4.753	26	6.9		4.0							5.5				
31	00	24	5.589	26	6.6		4.0	10		2.1		10	0	5.4				
<b>Average</b>			5.466	26			3.7	11		3.5		11	1.44	5.4	2.6	12.70	4.1	
<b>Max.</b>			6.925	28	7.1		4.0	23		5.2		15	16	6.5	3.0	12.70	4.1	
<b>Min.</b>			4.440	24	6.6		3.0	8		0.9		6	0	4.5	2.2	12.70	4.1	
<b>Comp.(C)/ Grab(G)</b>				G	G		G	C		C		C	G	G	G	C	C	
<b>Monthly Limit</b>					6-8.5			22		13		30	14	>5	30			

Facility Status: ( Please check one of the following)

All monthly averages and / or other limitation do meet permit monitoring requirements

( Compliant)

All monthly averages and / or other limitation do not meet permit monitoring requirements

( Noncompliant)

If the facility is noncompliant, please comment on corrective actions being taken in respect to equipment, operation, maintenance, etc. and a time table for improvements to be made.

( Attach additional sheets if necessary)

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I certify that this Report is accurate and complete to the best of my knowledge:

*Johan J. Wooten*  
 Signature of Permittee

PARAMETER CODES

00010 Temperature	00556 Oil and Grease	00950 Dissolved Fluoride	01077 Silver	39516 PCBS
00065 Stream Stage	00600 Total Nitrogen	01002 Total Arsenic	01087 Total Vanadium	39941 Roundup
00076 Turbidity	00610 Ammonia Nitrogen	01027 Cadmium	01092 Zinc	50047 Max. flow during 24-hr. period
00300 Dissolved Oxygen	00625 Total Kjeldahl Nitrogen	01032 Hexavalent Chromium	01105 Total Aluminum	50048 Min. flow during 24-hr. period
00310 BOD <sub>5</sub>	00665 Total Phosphorous	01034 Chromium	01147 Total Selenium	50050 Flow
00340 COD	00720 Cyanide	01037 Total Cobalt	31504 Total Coliform	50060 Total Residual Chlorine
00400 pH	00745 Total Sulfide	01042 Copper	31614 Fecal Coliform, MPN, Tube	71880 Formaldehyde
00500 Total Solids	00927 Total Magnesium	01045 Total Iron	31616 Fecal Coliform	71900 Mercury
00530 TSS	00929 Total Sodium	01051 Lead	32730 Total Phenolics	81318 Ferrocyanides
00545 Settleable Solids	00940 Total Chloride	01067 Nickel	38260 MBAS	85652 Time

The monthly average for fecal coliform is to be reported as a geometric MEAN.

If using alternate units for reporting data, please designate.

# EFFLUENT

NPDES PERMIT NO: NC 0063022 DISCHARGE NO: 001 MONTH: August YEAR: 1987  
 FACILITY NAME: Camp Johnson (Montford Point) CLASS:      COUNTY: Onslow  
 OPERATOR IN RESPONSIBLE CHARGE (ORC): Mack D. Davis GRADE: IV  
 CERTIFIED LABORATORY: Environmental Chemistry and Microbiology Laboratory

PERSON(S) COLLECTING SAMPLES: STP Operators

CHECK BLOCK IF ORC HAS CHANGED

Mail original and one copy to:  
 ATT: Central Files  
 Division of Environmental Management  
 NC Department of NRCD  
 PO Box 27687  
 Raleigh, North Carolina 27611

I CERTIFY THAT THIS REPORT  
 IS ACCURATE AND COMPLETE TO  
 THE BEST OF MY KNOWLEDGE.

X   
 Signature of operator in responsible charge

DATE	TIME 2400 CLOCK	COMPOSITE TIME	50050	00010	00403	00545	50060	00310	00340	00610	00500	00530	31616	10200	00556	00600	00645		
			FLOW	TEMPERATURE	pH	SETTLABLE MATTER	RESIDUAL CHLORINE	BOD5 20°C	COD	AMMONIA NITROGEN	TOTAL RESIDUE	TOTAL SUSPENDED RESIDUE	FECAL COLIFORM	DISSOLVED OXYGEN	Oil & Grease	Total Nitrogen	Total Phosphorus	ENTER PARAMETER CODE ABOVE NAME AND UNITS BELOW	
			EFF <input checked="" type="checkbox"/>	INF <input type="checkbox"/>														CELSIUS	ML/L
HRS	MGD	DAILY RATE	C°	UNIT	ML/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	/100 ML	MG/L	MG/L	MG/L	MG/L		
1	00	24	.532				2.5												
2	00	24	.758				4.0												
3	00	24	.642	26	6.8		4.0	13		4.9		2	2	6.8					
4	00	24	.669				4.0								0.1				
5	00	24	.615				4.0												
6	00	24	.635				4.0												
7	00	24	.627	25	6.8		4.0	17		5.5		6	0	6.1					
8	00	24	.535				4.0												
9	00	24	.631				4.0												
10	00	24	.788				5.0	15		3.1		6	6						
11	00	24	.918				4.0												
12	00	24	.704				4.0												
13	00	24	.711				2.5												
14	00	24	.752	23	6.9		4.0	12		5.9		9	0	6.8					
15	00	24	.714				4.0												
16	00	24	.688				4.0												
17	00	24	.801	24	6.9		4.0	5		3.0		6	0	7.6					
18	00	24	.694				4.0								0.7				
19	00	24	.883				5.0												
20	00	24	.586				0.8												
21	00	24	.519	25	6.8		4.0	11		5.1		6	0	7.1					
22	00	24	.660				4.0			3.4									
23	00	24	.860				5.0												
24	00	24	.790	24	6.9		4.0	6				6	0	8.0					
25	00	24	.758				4.0												
26	00	24	.786				4.0												
27	00	24	.762				4.0												
28	00	24	.838	25	7.0		5.0	13		2.3		7	0	7.2					
29	00	24	.727				4.0												
30	00	24	.634				4.0												
31	00	24	.795	24	6.7		3.0	12		2.1		10	0	7.0	0.8				
Average			.710	25			3.9	12		3.9		6	1.36	7.1	0.4				
Max.			.918	26	7.0		5.0	17		5.9		10	9	8.0	0.8				
Min.			.519	23	6.7		0.8	5		2.3		2	0	6.1	0.1				
Comp.(C)/Grab(G)			G	G			G	C		C		C	G	G	G				
Monthly Limit					6-8.5			30				30	14	>5	30				

Facility Status: ( Please check one of the following)

All monthly averages and / or other limitation do meet permit monitoring requirements  ( Compliant)

All monthly averages and / or other limitation do not meet permit monitoring requirements  ( Noncompliant)

If the facility is noncompliant, please comment on corrective actions being taken in respect to equipment, operation, maintenance, etc. and a time table for improvements to be made.  
( Attach additional sheets if necessary)

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I certify that this Report is accurate and complete to the best of my knowledge:

*Johain J. Woots*  
Signature of Permittee

PARAMETER CODES

00010 Temperature	00556 Oil and Grease	00950 Dissolved Fluoride	01077 Silver	39516 PCBS
00065 Stream Stage	00600 Total Nitrogen	01002 Total Arsenic	01087 Total Vanadium	39941 Roundup
00076 Turbidity	00610 Ammonia Nitrogen	01027 Cadmium	01092 Zinc	50047 Max. flow during 24-hr. period
00300 Dissolved Oxygen	00625 Total Kjeldahl Nitrogen	01032 Hexavalent Chromium	01105 Total Aluminum	50048 Min. flow during 24-hr. period
00310 BOD <sub>5</sub>	00665 Total Phosphorous	01034 Chromium	01147 Total Selenium	50050 Flow
00340 COD	00720 Cyanide	01037 Total Cobalt	31504 Total Coliform	50060 Total Residual Chlorine
00400 pH	00745 Total Sulfide	01042 Copper	31614 Fecal Coliform, MPN, Tube	71880 Formaldehyde
00500 Total Solids	00927 Total Magnesium	01045 Total Iron	31616 Fecal Coliform	71900 Mercury
00530 TSS	00929 Total Sodium	01051 Lead	32730 Total Phenolics	81318 Ferrocyanides
00545 Settleable Solids	00940 Total Chloride	01067 Nickel	38260 MBAS	85652 Time

The monthly average for fecal coliform is to be reported as a geometric MEAN.

If using alternate units for reporting data, please designate.

# EFFLUENT

NPDES PERMIT NO: NC0063037 DISCHARGE NO: 001 MONTH: August YEAR: 1987

FACILITY NAME: Rifle Range STP CLASS: II COUNTY: Onslow

OPERATOR IN RESPONSIBLE CHARGE (ORC): Mack D. Davis GRADE: IV

CERTIFIED LABORATORY: Environmental Chemistry and Microbiology Laboratory

PERSON(S) COLLECTING SAMPLES: STP Operators

CHECK BLOCK IF ORC HAS CHANGED

Mail original and one copy to:  
 ATT: Central Files  
 Division of Environmental Management  
 NC Department of NRCD  
 P O Box 27687  
 Raleigh, North Carolina 27611

I CERTIFY THAT THIS REPORT  
 IS ACCURATE AND COMPLETE TO  
 THE BEST OF MY KNOWLEDGE.

X   
 Signature of operator in responsible charge

DATE	TIME 2400 CLOCK	COMPOSITE TIME	50050 00010 00400 00545 50060 00310 00340 00610 00500 00530 31616 00300											ENTER PARAMETER CODE ABOVE NAME AND UNITS BELOW			
			FLOW	TEMPERATURE CELSIUS	PH	SETTLABLE MATTER	RESIDUAL CHLORINE	BOD5 20°C	COD	AMMONIA NITROGEN	TOTAL RESIDUE	TOTAL SUSPENDED RESIDUE	FECAL COLIFORM Geometric Mean	DISSOLVED OXYGEN	Oil & Grease	Total Nitrogen	Total Phospho
			EFF <input checked="" type="checkbox"/>														
HRS	MGD	C°	UNIT	ML/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	/100 ML	MG/L	MG/L	MG/L	MG/L		
1	00	24	.22263	25	6.8		3.5						8.6				
2	00	24	.1816	26	6.8		6.0						7.7				
3	00	24	.1798	25	6.8		4.0						8.1				
4	00	24	.2019				4.0							0.2			
5	00	24	.1894	25	6.8		3.0	3	0.15		3	0	8.4				
6	00	24	.1949				5.0										
7	00	24	.2332				4.0										
8	00	24	.1517				5.0										
9	00	24	.1836				5.0										
10	00	24	.1845				5.0										
11	00	24	.1890				5.0										
12	00	24	.1986	25	6.6		5.0	4	0.06		3	0	7.7	5.26	1.4		
13	00	24	.1674				4.0										
14	00	24	.1968				4.0										
15	00	24	.1962				4.0										
16	00	24	.1988				4.0										
17	00	24	.2212				2.0										
18	00	24	.2172				4.0							0.5			
19	00	24	.2379	26	6.6		4.0	1	0.08		4	0	7.8				
20	00	24	.26458				4.0										
21	00	24	.2231				4.0										
22	00	24	.23429				5.0										
23	00	24	.20561				5.0										
24	00	24	.21685				3.0										
25	00	24	.22935				3.0										
26	00	24	.20605	25	6.4		5.0	4	0.10		5	0	8.0				
27	00	24	.20024				4.0										
28	00	24	.20678				4.0										
29	00	24	.23735				4.0										
30	00	24	.19009				4.0										
31	00	24	.26023				4.0										
<b>Average</b>			.20711	25			4.2	3	4.0		4	0	8.0	0.35	5.26	1.4	
<b>Max.</b>			.26458	26	6.8		6.0	4	0.15		5	0	8.6	0.5	5.26	1.4	
<b>Min.</b>			.15165	25	6.4		2.0	1	0.06		3	0	7.7	0.2	5.26	1.4	
<b>Comp.(C)/ Grab(G)</b>			G	G			G	C	C		C	G	G	G	C	C	
<b>Monthly Limit</b>					6-8.5			30			30	14	> 5	30			

Facility Status: ( Please check one of the following)

All monthly averages and / or other limitation do meet permit monitoring requirements

( Compliant)

All monthly averages and / or other limitation do not meet permit monitoring requirements

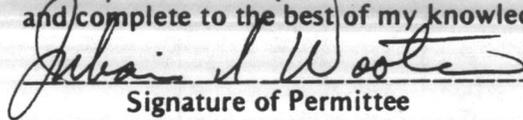
( Noncompliant)

If the facility is noncompliant, please comment on corrective actions being taken in respect to equipment, operation, maintenance, etc. and a time table for improvements to be made.

( Attach additional sheets if necessary)

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I certify that this Report is accurate and complete to the best of my knowledge:

  
 Signature of Permittee

PARAMETER CODES

00010 Temperature	00556 Oil and Grease	00950 Dissolved Fluoride	01077 Silver	39516 PCBS
00065 Stream Stage	00600 Total Nitrogen	01002 Total Arsenic	01087 Total Vanadium	39941 Roundup
00076 Turbidity	00610 Ammonia Nitrogen	01027 Cadmium	01092 Zinc	50047 Max. flow during 24-hr. period
00300 Dissolved Oxygen	00625 Total Kjeldahl Nitrogen	01032 Hexavalent Chromium	01105 Total Aluminum	50048 Min. flow during 24-hr. period
00310 BOD <sub>5</sub>	00665 Total Phosphorous	01034 Chromium	01147 Total Selenium	50050 Flow
00340 COD	00720 Cyanide	01037 Total Cobalt	31504 Total Coliform	50060 Total Residual Chlorine
00400 pH	00745 Total Sulfide	01042 Copper	31614 Fecal Coliform, MPN, Tube	71880 Formaldehyde
00500 Total Solids	00927 Total Magnesium	01045 Total Iron	31616 Fecal Coliform	71900 Mercury
00530 TSS	00929 Total Sodium	01051 Lead	32730 Total Phenolics	81318 Ferrocyanides
00545 Settleable Solids	00940 Total Chloride	01067 Nickel	38260 MBAS	85652 Time

The monthly average for fecal coliform is to be reported as a geometric MEAN.

If using alternate units for reporting data, please designate.

# EFFLUENT

**NPDES PERMIT NO:** NC0003239    **DISCHARGE NO:** 001    **MONTH:** August    **YEAR:** 1987  
**FACILITY NAME:** Camp Geiger Sewage Treatment Plant    **CLASS:** III **COUNTY:** Onslow  
**OPERATOR IN RESPONSIBLE CHARGE (ORC):** Mack D. Davis    **GRADE:** IV  
**CERTIFIED LABORATORY:** Environmental Chemistry & Microbiology Laboratory

**PERSON(S) COLLECTING SAMPLES:** STP Operators

CHECK BLOCK IF ORC HAS CHANGED

Mail original and one copy to:  
 ATT: Central Files  
 Division of Environmental Management  
 NC Department of NRCO  
 PO Box 27687  
 Raleigh, North Carolina 27611

I CERTIFY THAT THIS REPORT  
 IS ACCURATE AND COMPLETE TO  
 THE BEST OF MY KNOWLEDGE.

  
 X \_\_\_\_\_  
 Signature of operator in responsible charge

DATE	TIME 2400 CLOCK	COMPOSITE TIME	50050	00010	00403	00545	50060	00310	00340	00610	00500	00530	31616	00300	00550	00600	00465	ENTER PARAMETER CODE ABOVE NAME AND UNITS BELOW		
			FLOW	TEMPERATURE CELSIUS	PH	SETTLABLE MATTER	RESIDUAL CHLORINE	BOD5 20°C	COD	AMMONIA NITROGEN	TOTAL RESIDUE	TOTAL SUSPENDED RESIDUE	FECAL COLIFORM	DISSOLVED OXYGEN	Oil & Grease	Total Nitrogen	Total Phosphorus			
			EFF <input checked="" type="checkbox"/>																	
			INF <input type="checkbox"/>																	
DAILY RATE	MGD	C°	UNIT	ML/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L		
1	00	24	.7057	28	6.4		4.0							6.0						
2	00	24	.9328	28	6.4		4.0							6.0						
3	00	24	.9360	28	6.6		4.0	7		15.1	7	0	6.6							
4	00	24	.9948	28	6.7		4.0	16		14.1	13	20	6.8	L.E.†						
5	00	24	.8374	28	6.6		4.0	16		16.0	14	62	6.2							
6	00	24	.9465	28	6.7		4.0	14		9.8	15	0	6.4							
7	00	24	.8903	28	6.8		4.0	12		10.8	6	8	4.5							
8	00	24	.9392	26	6.8		4.0						5.0							
9	00	24	1.0233	26	6.7		4.0						5.0							
10	00	24	.8364	28	6.8		4.0	7		8.1	6	10	5.5							
11	00	24	.8272	28	6.7		4.0	10		6.6	6	0	5.4							
12	00	24	.8235	28	6.8		4.0	3		2.1	3	30	5.6			10.63	.50			
13	00	24	.8836	26	6.9		4.0	9		7.3	4	0	5.8							
14	00	24	.9100	26	6.9		4.0	6		8.7	4	2	5.6							
15	00	24	.9066	26	6.9		4.0						5.8							
16	00	24	.9663	26	6.9		4.0						5.6							
17	00	24	.8590	26	6.8		4.0	10		7.6	10	0	5.8							
18	00	24	.7949	28	6.6		4.0	6		7.8	5	0	5.8	1.5						
19	00	24	.9084	28	6.6		4.0	5		6.4	4	0	6.1							
20	00	24	.8953	28	6.6		4.0	4		4.7	1	0	5.6							
21	00	24	1.0164	28	6.8		4.0	9		8.3	5	2	5.5							
22	00	24	.7830	28	6.8		4.0						5.8							
23	00	24	.8459	28	6.6		4.0						5.3							
24	00	24	.9109	28	6.4		4.0	4		7.5	30	0	5.8							
25	00	24	.8873	28	6.6		4.0	8		7.3	8	0	6.2	1.4			0.07			
26	00	24	.8336	28	6.6		4.0	6		8.3	5	2	6.0							
27	00	24	.8750	28	6.6		4.0	6		7.8	4	0	5.6							
28	00	24	.9181	28	6.5		4.0	14		9.3	7	14	5.6							
29	00	24	.9707	28	6.6		4.0						6.3							
30	00	24	.8043	28	6.6		4.0						6.0							
31	00	24	.9070	28	6.4		4.0	10		14.2	6	0	5.8							
<b>Average</b>			.8893	28			4.0	9		9.0	8	2.55*	5.8	1.5		10.63	0.29			
<b>Max.</b>			1.0233	28	6.9		4.0	16		16.0	30	62	6.8	1.5		10.63	.50			
<b>Min.</b>			.7057	26	6.4		4.0	3		2.1	1	0	4.5	1.4		10.63	0.07			
<b>Comp.(C)/Grab(G)</b>				G	G		G	C		C		G	G	G		C	C			
<b>Monthly Limit</b>					6-9			30				30	200							

Facility Status: ( Please check one of the following)

All monthly averages and / or other limitation do meet permit monitoring requirements

( Compliant)

All monthly averages and / or other limitation do not meet permit monitoring requirements

( Noncompliant)

If the facility is noncompliant, please comment on corrective actions being taken in respect to equipment, operation, maintenance, etc. and a time table for improvements to be made.

( Attach additional sheets if necessary)

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I certify that this Report is accurate and complete to the best of my knowledge:

*Julian J. Wooten*  
 Signature of Permittee

PARAMETER CODES

00010 Temperature	00556 Oil and Grease	00950 Dissolved Fluoride	01077 Silver	39516 PCBS
00065 Stream Stage	00600 Total Nitrogen	01002 Total Arsenic	01087 Total Vanadium	39941 Roundup
00076 Turbidity	00610 Ammonia Nitrogen	01027 Cadmium	01092 Zinc	50047 Max. flow during 24-hr. period
00300 Dissolved Oxygen	00625 Total Kjeldahl Nitrogen	01032 Hexavalent Chromium	01105 Total Aluminum	50048 Min. flow during 24-hr. period
00310 BOD <sub>5</sub>	00665 Total Phosphorous	01034 Chromium	01147 Total Selenium	50050 Flow
00340 COD	00720 Cyanide	01037 Total Cobalt	31504 Total Coliform	50060 Total Residual Chlorine
00400 pH	00745 Total Sulfide	01042 Copper	31614 Fecal Coliform, MPN, Tube	71880 Formaldehyde
00500 Total Solids	00927 Total Magnesium	01045 Total Iron	31616 Fecal Coliform	71900 Mercury
00530 TSS	00929 Total Sodium	01051 Lead	32730 Total Phenolics	81318 Ferrocyanides
00545 Settleable Solids	00940 Total Chloride	01067 Nickel	38260 MBAS	85652 Time

The monthly average for fecal coliform is to be reported as a geometric MEAN.

If using alternate units for reporting data, please designate.

# EFFLUENT

NPDES PERMIT NO: NC0063002 DISCHARGE NO: 001 MONTH: August YEAR: 1987  
 FACILITY NAME: Tarawa Terrace STP CLASS: \_\_\_\_\_ COUNTY: Onslow

OPERATOR IN RESPONSIBLE CHARGE (ORC): Mack D. Davis GRADE: IV

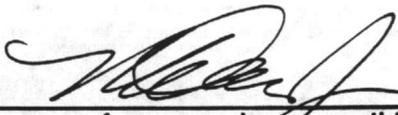
CERTIFIED LABORATORY: Environmental Chemistry and Microbiology Laboratory

PERSON(S) COLLECTING SAMPLES: STP Operators

CHECK BLOCK IF ORC HAS CHANGED

Mail original and one copy to:  
 ATT: Central Files  
 Division of Environmental Management  
 NC Department of NRC  
 PO Box 27687  
 Raleigh, North Carolina 27611

I CERTIFY THAT THIS REPORT  
 IS ACCURATE AND COMPLETE TO  
 THE BEST OF MY KNOWLEDGE.

  
 X \_\_\_\_\_  
 Signature of operator in responsible charge

DATE	TIME 2400 CLOCK	COMPOSITE TIME	50050		00010	00409	00545	50060	00310	00340	00610	00500	00530	31816	00300	00556 00600 00615			
			FLOW	EFF <input checked="" type="checkbox"/>	TEMPERATURE CELSIUS	pH	SETTLABLE MATTER	RESIDUAL CHLORINE	BOD5 20°C	COD	AMMONIA NITROGEN	TOTAL RESIDUE	TOTAL SUSPENDED RESIDUE	FECAL COLIFORM	Geometric Mean	DISSOLVED OXYGEN	ENTER PARAMETER CODES ABOVE NAME AND UNITS BELOW		
			DAILY RATE	INF <input type="checkbox"/>													Oil & Grease	Total Nitrogen	Total Phospho
NRS	MGD	C°	UNIT	ML/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	/100 ML	MG/L	MG/L	MG/L			
1	00	24	.9000	26	6.6		6.0								8.5				
2	00	24	.900	26	6.6		4.0								8.5				
3	00	24	.900	27	6.6		4.0	13			0.7		16	2	8.6				
4	00	24	.850	27	6.6		4.5	9			1.4		5	0	8.5	1.7			
5	00	24	.850	27	6.6		4.0	8			2.5		8	2	8.5				
6	00	24	.900	27	7.0		4.0	9			1.0		11	2	7.5				
7	00	24	.850	27	6.5		4.0	12			1.0		6	10	7.8				
8	00	24	.900	26	6.5		4.0								8.0				
9	00	24	.900	27	6.4		5.0								8.4				
10	00	24	.900	27	6.4		4.0	9			2.0		8	0	8.3				
11	00	24	.850	26	6.8		4.0	12			1.5		8	12	8.3				
12	00	24	.850	26	6.8		4.0	7			6.9		6	0	8.2	16.35	5.2		
13	00	24	.900	26	6.6		4.0	7			1.6		8	0	8.5				
14	00	24	.900	26	6.7		4.0	10			1.6		8	0	8.1				
15	00	24	.850	27	6.5		4.0								8.1				
16	00	24	.900	27	6.8		4.0								7.9				
17	00	24	.850	27	6.7		4.0	6			1.8		10	6	8.3				
18	00	24	.850	27	6.7		4.0	9			1.7		8	0	8.0	1.1			
19	00	24	.850	27	6.7		4.0	9			1.4		8	0	8.1				
20	00	24	.900	28	6.8		5.0	12			2.0		11	0	7.8				
21	00	24	.900	28	6.8		3.0	10			1.3		6	0	8.0				
22	00	24	.850	28	6.9		4.0								7.9				
23	00	24	.850	25	6.6		4.0								8.8				
24	00	24	.850	24	6.7		3.0	9			1.2		10	0	7.8				
25	00	24	.900	24	6.8		5.0	11			3.1		6	2	8.5			0.07	
26	00	24	.900	25	6.7		4.0	10			2.0		9	2	8.0				
27	00	24	.850	26	6.7		3.0	8			0.9		12	0	8.2				
28	00	24	.900	27	6.7		3.0	11			1.0		10	0	8.3				
29	00	24	.900	27	6.7		4.0								8.5				
30	00	24	.900	26	6.6		4.0								8.4				
31	00	24	.900	26	6.8		4.0	10			2.1		10	0	8.5				
Average			.879	26			4.0	10			1.8		9	1.61	8.2	1.4	16.35	5.2	
Max.			.900	28	7.0		6.0	13			3.1		16	12	8.8	1.7	16.35	5.2	
Min.			.850	24	6.4		3.0	6			0.7		6	0	7.5				
Comp.(C)/Grab(G)				G	G		G	C			C		C	G	G	G	C	C	
Monthly Limit					6-8.5			30					30	1000	5	30			

Facility Status: ( Please check one of the following)

All monthly averages and / or other limitation do meet permit monitoring requirements  ( Compliant)

All monthly averages and / or other limitation do not meet permit monitoring requirements  ( Noncompliant)

If the facility is noncompliant, please comment on corrective actions being taken in respect to equipment, operation, maintenance, etc. and a time table for improvements to be made.

( Attach additional sheets if necessary)

-----  
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 -----  
 -----  
 -----

I certify that this Report is accurate and complete to the best of my knowledge:

*Johain J. Wooten*  
 Signature of Permittee

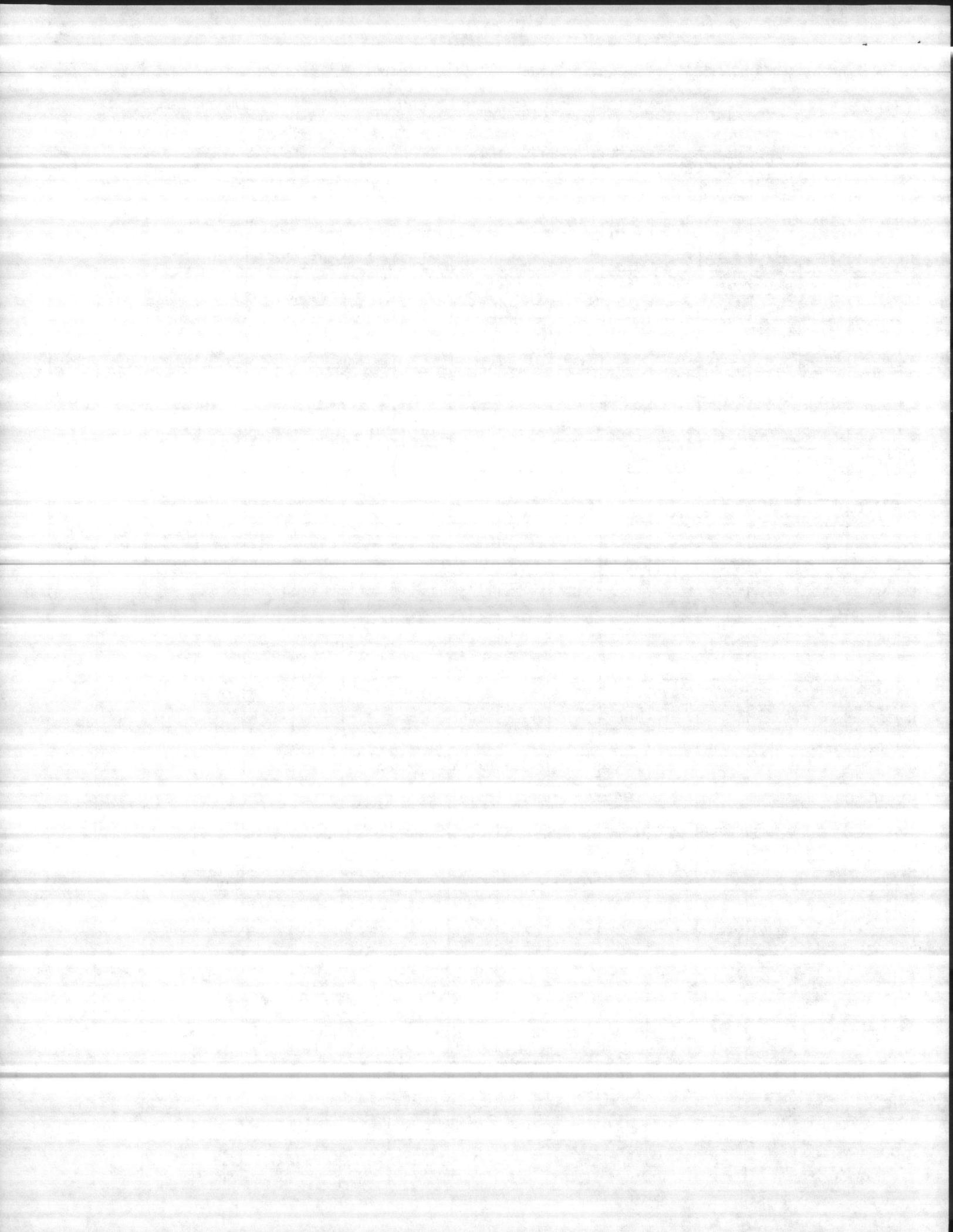
PARAMETER CODES

00010 Temperature	00556 Oil and Grease	00950 Dissolved Fluoride	01077 Silver	39516 PCBS
00065 Stream Stage	00600 Total Nitrogen	01002 Total Arsenic	01087 Total Vanadium	39941 Roundup
00076 Turbidity	00610 Ammonia Nitrogen	01027 Cadmium	01092 Zinc	50047 Max. flow during 24-hr. period
00300 Dissolved Oxygen	00625 Total Kjeldahl Nitrogen	01032 Hexavalent Chromium	01105 Total Aluminum	50048 Min. flow during 24-hr. period
00310 BOD <sub>5</sub>	00665 Total Phosphorous	01034 Chromium	01147 Total Selenium	50050 Flow
00340 COD	00720 Cyanide	01037 Total Cobalt	31504 Total Coliform	50060 Total Residual Chlorine
00400 pH	00745 Total Sulfide	01042 Copper	31614 Fecal Coliform, MPN, Tube	71880 Formaldehyde
00500 Total Solids	00927 Total Magnesium	01045 Total Iron	31616 Fecal Coliform	71900 Mercury
00530 TSS	00929 Total Sodium	01051 Lead	32730 Total Phenolics	81318 Ferrocyanides
00545 Settleable Solids	00940 Total Chloride	01067 Nickel	38260 MBAS	85652 Time

The monthly average for fecal coliform is to be reported as a geometric MEAN.

If using alternate units for reporting data, please designate.





# Influent

NPDES NO: NC0003239

DISCHARGE NO: 001

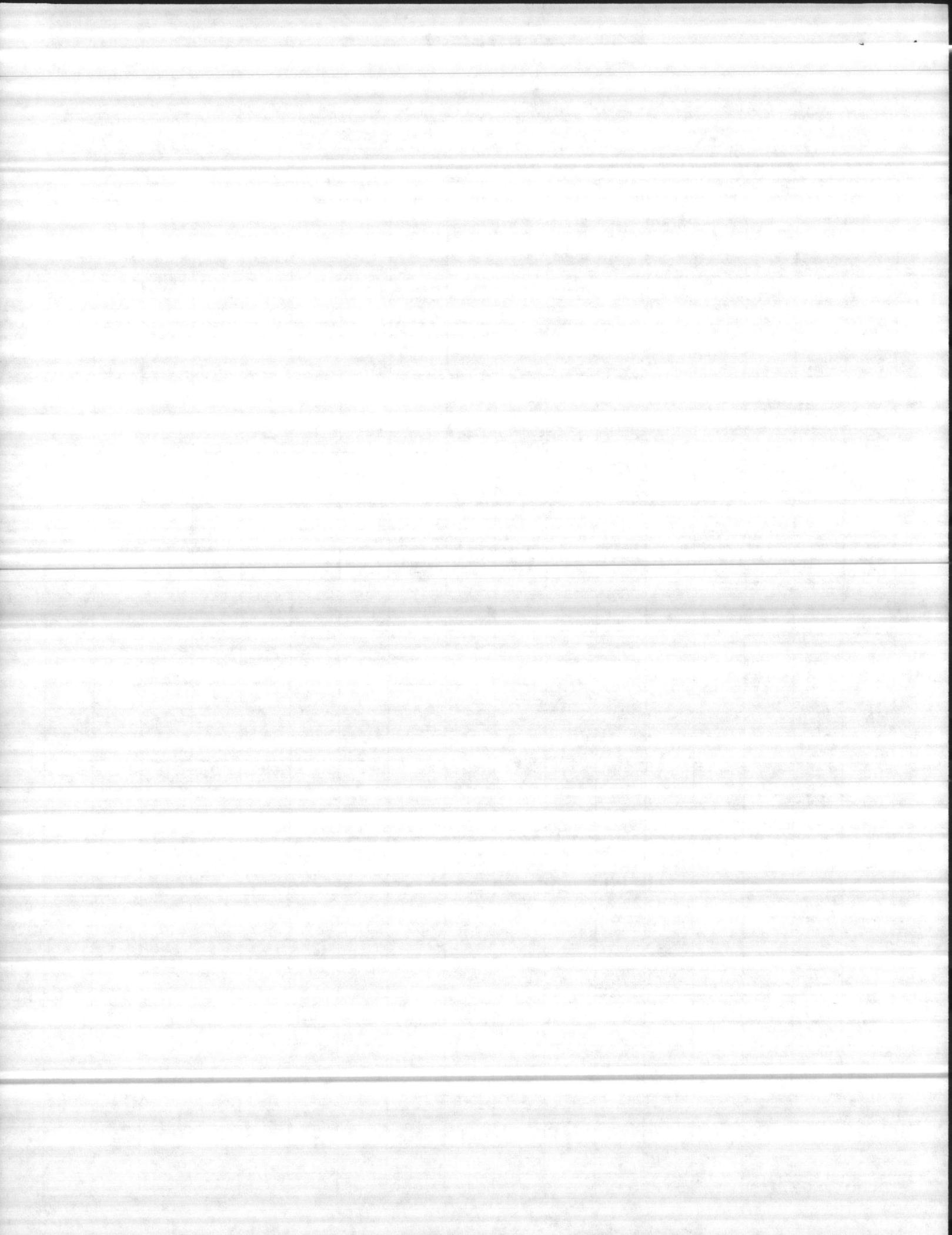
MONTH: August

YEAR: 1987

FACILITY NAME: Camp Geiger

COUNTY: Onslow

			00400	00010	00545	00310	00610	00500	00530	00340	ENTER PARAMETER CODE ABOVE & NAME AND UNITS BELOW						
Date	Time	Composite Time	PH	Temperature (Celsius)	Settleable Matter	BOD <sub>5</sub> 20 °C	Ammonia Nitrogen	Total Residue	Total Suspended Residue	COD							
		HRS	STD UNITS	°C	MI/L	MG/L	MG/L	MG/L	MG/L	MG/L							
1																	
2																	
3	00	24				172			80								
4	00	24				410			193								
5	00	24				367			178								
6	00	24				487			238								
7	00	24				336			212								
8																	
9																	
10	00	24				204			153								
11	00	24				247			168								
12	00	24				200			124								
13	00	24				284			132								
14	00	24				200			154								
15																	
16																	
17	00	24				200			153								
18	00	24				268			106								
19	00	24				156			96								
20	00	24				164			116								
21	00	24				204			100								
22																	
23																	
24	00	24				293			235								
25	00	24				295			143								
26	00	24				210			115								
27	00	24				270			123								
28	00	24				273			133								
29																	
30																	
31	00	24				264			178								
AVERAGE						262			149								
MONTHLY MAXIMUM						410			238								
MONTHLY MINIMUM						156			80								
SAMPLE TYPE C or G						C			C								



# Influent

NPDES NO: NC0063037 DISCHARGE NO: 001 MONTH: August YEAR: 1987

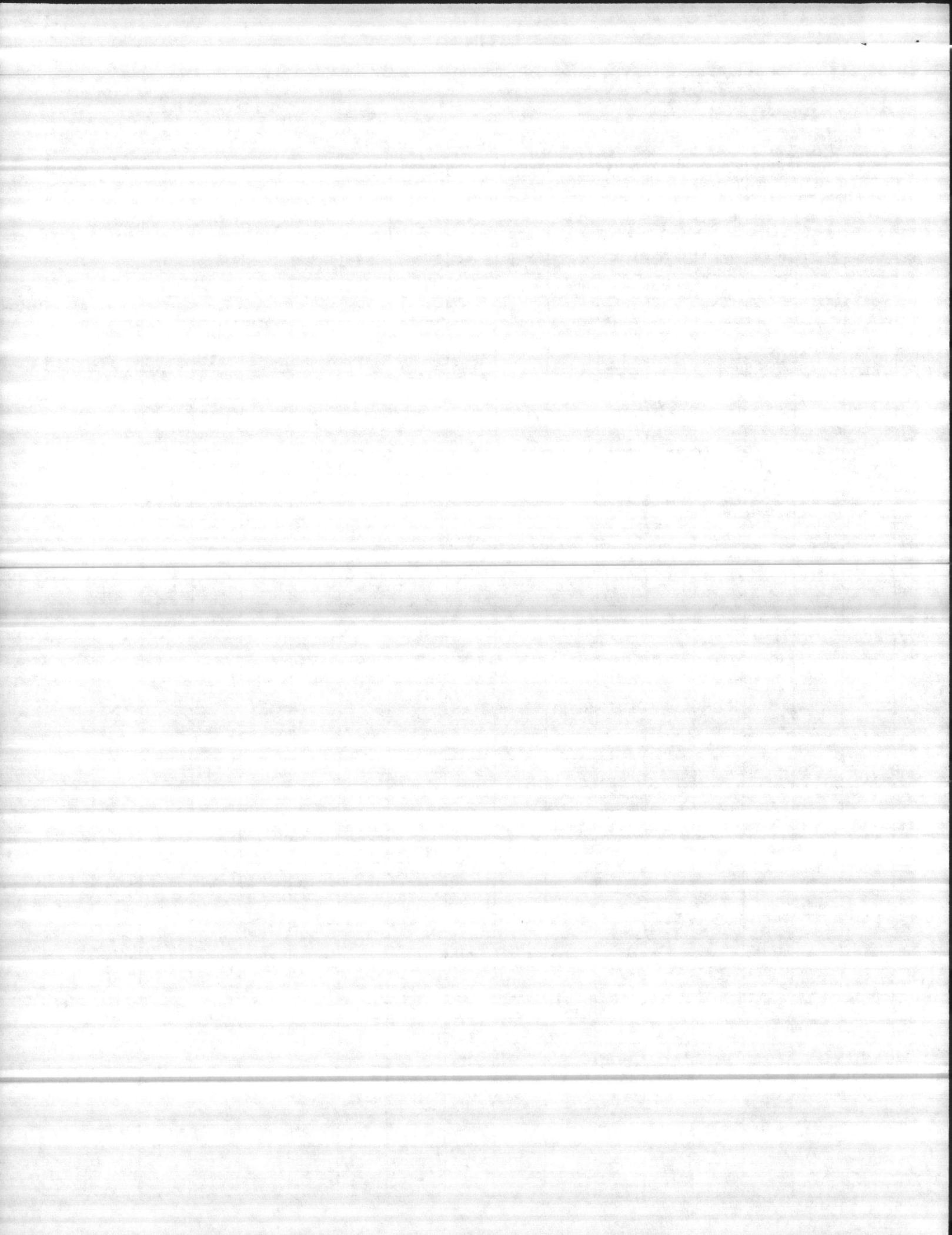
Rifle Range STP

Onslow

FACILITY NAME: \_\_\_\_\_

COUNTY: \_\_\_\_\_

		00400	00010	00545	00310	00610	00500	00530	00340	ENTER PARAMETER CODE ABOVE & NAME AND UNITS BELOW						
Date	Time	Composite Time	PH	Temperature (Celsius)	Settleable Matter	BOD <sub>5</sub> 20 °C	Ammonia Nitrogen	Total Residue	Total Suspended Residue	COD						
		HRS	STD UNITS	°C	ML/L	MG/L	MG/L	MG/L	MG/L	MG/L						
1																
2																
3																
4																
5	00	24				62			41							
6																
7																
8																
9																
10																
11																
12	00	24				50			138							
13																
14																
15																
16																
17																
18																
19	00	24				64			77							
20																
21																
22																
23																
24																
25																
26	00	24				52			63							
27																
28																
29																
30																
31																
AVERAGE						57			80							
MONTHLY MAXIMUM						64			138							
MONTHLY MINIMUM						50			41							
SAMPLE TYPE C or G						C			C							

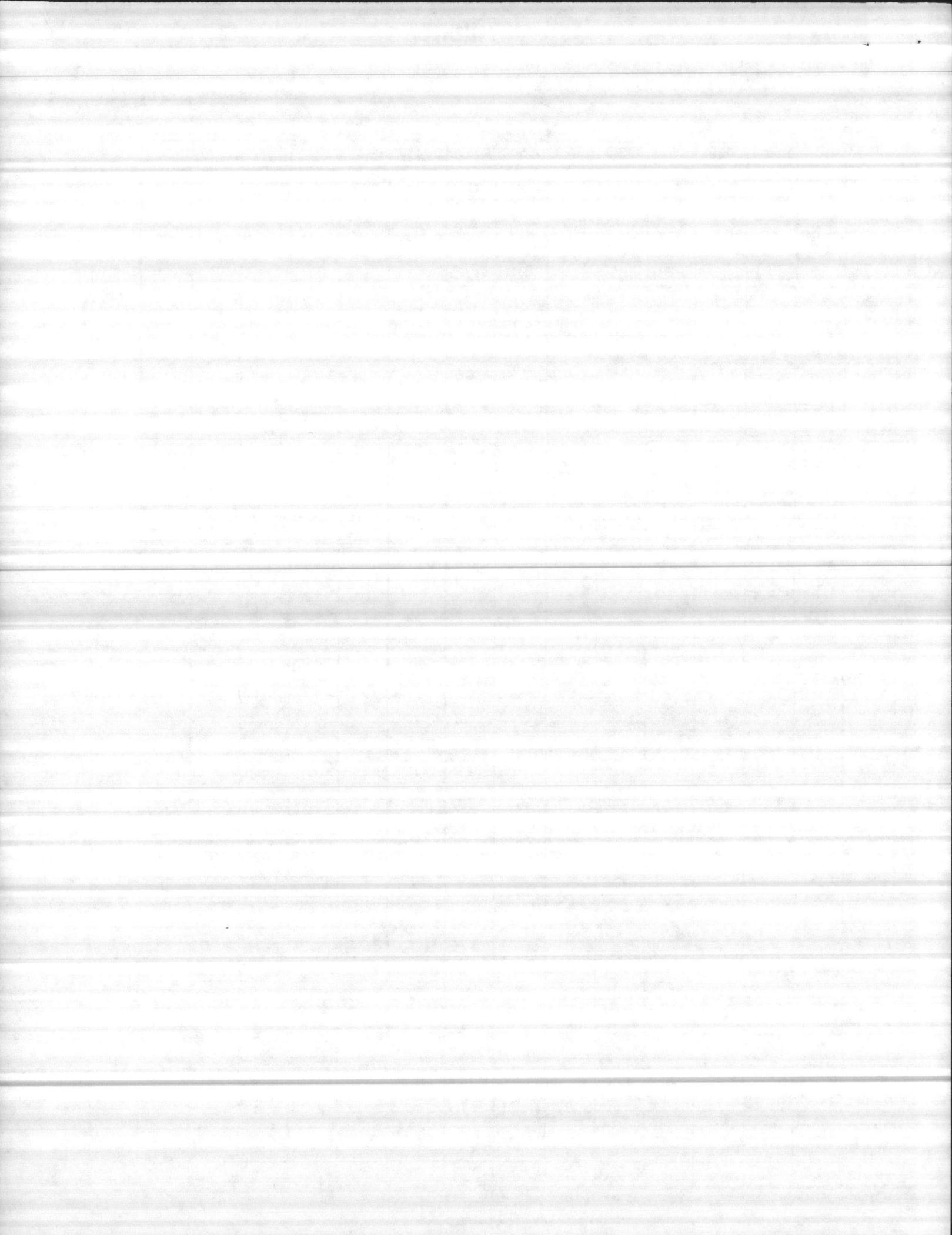


# Influent

NPDES NO: NC0063045 DISCHARGE NO: 001 MONTH: August YEAR: 1987

FACILITY NAME: Courthouse Bay STP COUNTY: Onslow

		00400	00010	00545	00310	00610	00500	00530	00340	ENTER PARAMETER CODE ABOVE & NAME AND UNITS BELOW									
Date	Time	Composite Time	PH	Temperature (Celsius)	Settleable Matter	BOD <sub>5</sub> 20 °C	Ammonia Nitrogen	Total Residue	Total Suspended Residue	COD									
	HRS	STD UNITS	°C	MI/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L									
1																			
2																			
3																			
4	00	24				sample error			sample error										
5																			
6																			
7																			
8																			
9																			
10																			
11	00	24				136			56										
12																			
13																			
14																			
15																			
16																			
17																			
18	00	24				132			83										
19																			
20																			
21																			
22																			
23																			
24																			
25	00	24				76			28										
26																			
27																			
28																			
29																			
30																			
31																			
AVERAGE						126			56										
MONTHLY MAXIMUM						136			83										
MONTHLY MINIMUM						76			28										
SAMPLE TYPE C or G						C			C										

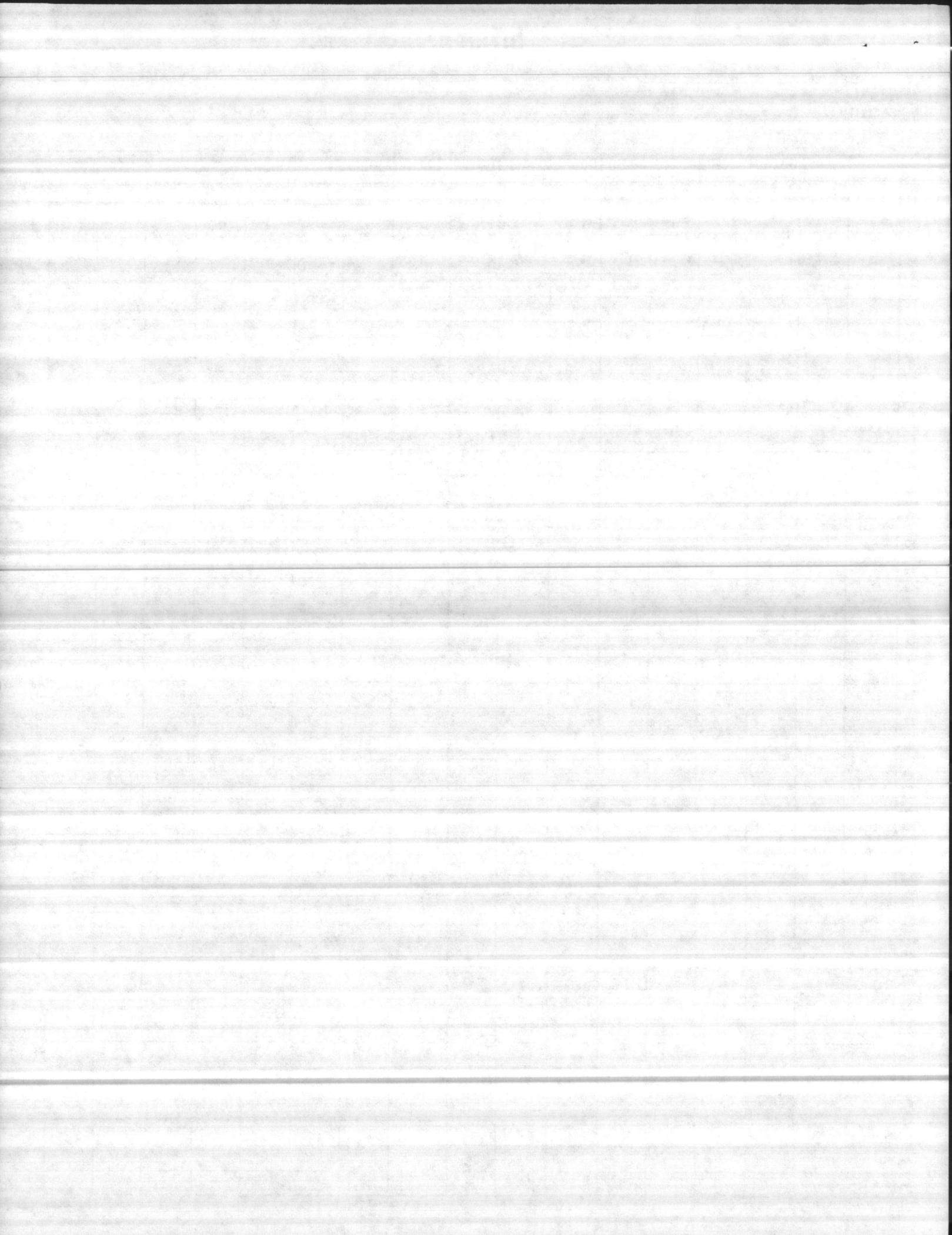


# Influent

NPDES NO: NC0063053 DISCHARGE NO: 001 MONTH: August YEAR: 1987  
 Onslow Beach STP Onslow

FACILITY NAME: \_\_\_\_\_ COUNTY: \_\_\_\_\_

		00400	00010	00545	00310	00610	00500	00530	00340	ENTER PARAMETER CODE ABOVE & NAME AND UNITS BELOW					
Date	Time	PH	Temperature (Celsius)	Settleable Matter	BOD <sub>5</sub> 20 °C	Ammonia Nitrogen	Total Residue	Total Suspended Residue	COD						
	Composite Time									STD UNITS	°C	MI/L	MG/L	MG/L	MG/L
1															
2															
3															
4															
5															
6	00	24			164			74							
7															
8															
9															
10															
11															
12															
13	00	24			251			173							
14															
15															
16															
17															
18															
19															
20	00	24			87			131							
21															
22															
23															
24															
25															
26															
27	00	24			216			59							
28															
29															
30															
31															
AVERAGE					180			109							
MONTHLY MAXIMUM					251			173							
MONTHLY MINIMUM					89			59							
SAMPLE TYPE C or G					C			C							



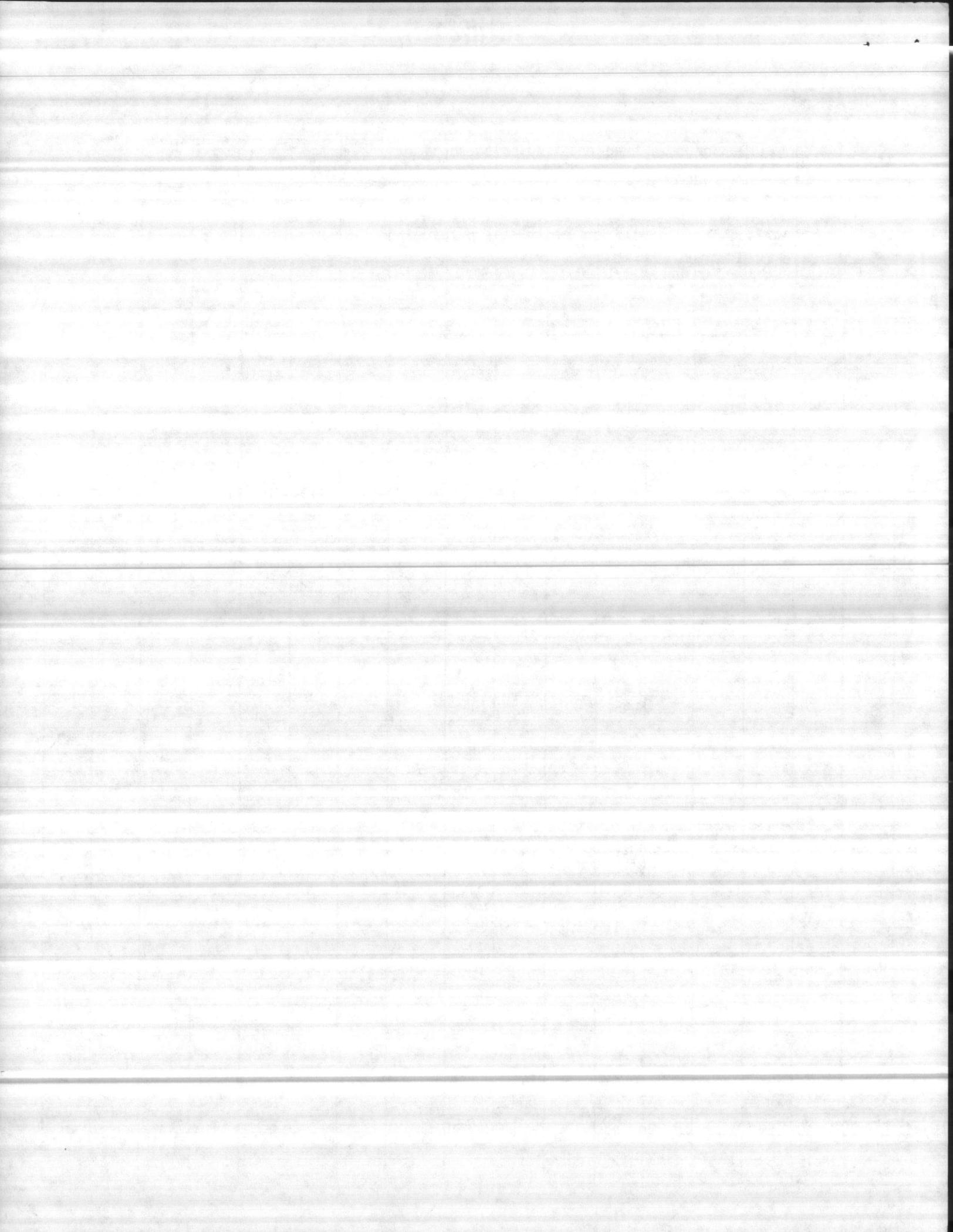
# Influent

1987

NPDES NO: NC0063029 DISCHARGE NO: 001 MONTH: August YEAR: Onslow  
 Hadnot Point Sewage Treatment Plant

FACILITY NAME: \_\_\_\_\_ COUNTY: \_\_\_\_\_

		00400	00010	00545	00310	00610	00500	00530	00340	ENTER PARAMETER CODE ABOVE & NAME AND UNITS BELOW									
Date	Time	Composite Time	PH	Temperature (Celsius)	Settleable Matter	BOD <sub>5</sub> 20 °C	Ammonia Nitrogen	Total Residue	Total Suspended Residue	COD									
		HRS	STD UNITS	°C	MI/L	MG/L	MG/L	MG/L	MG/L	MG/L									
1																			
2																			
3	00	24				196			100										
4	00	24				168			205										
5	00	24				208			110										
6	00	24				236			128										
7	00	24				208			125										
8																			
9																			
10	00	24				176			118										
11	00	24				280			202										
12	00	24				176			163										
13	00	24				216			118										
14	00	24				172			103										
15																			
16																			
17	00	24				196			104										
18	00	24				208			153										
19	00	24				160			146										
20	00	24				148			160										
21	00	24				172			170										
22																			
23																			
24	00	24				132			100										
25	00	24				136			60										
26	00	24				136			78										
27	00	24				128			60										
28	00	24				164			82										
29																			
30																			
31	00	24				160			114										
AVERAGE						180			124										
MONTHLY MAXIMUM						280			205										
MONTHLY MINIMUM						128			60										
SAMPLE TYPE C or G						C			C										

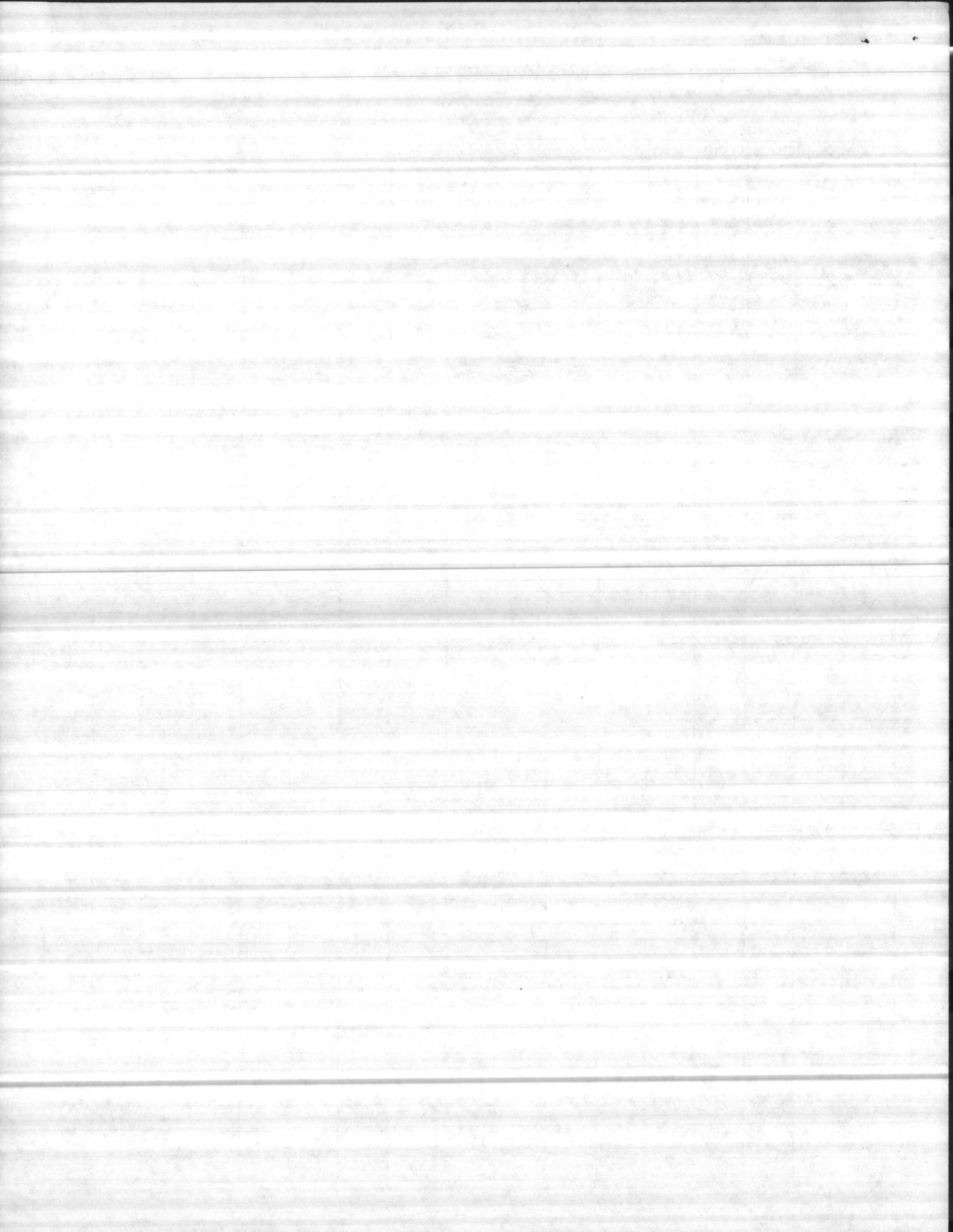


# Influent

NPDES NO: NC0063011 DISCHARGE NO: 001 MONTH: August YEAR: 1987  
 Camp Johnson (Montford Point) STP

FACILITY NAME: \_\_\_\_\_ COUNTY: \_\_\_\_\_

		00400	00010	00545	00310	00610	00500	00530	00340	ENTER PARAMETER CODE ABOVE & NAME AND UNITS BELOW								
Date	Time	Composite Time	PH	Temperature (Celsius)	Settleable Matter	BOD <sub>5</sub> 20 °C	Ammonia Nitrogen	Total Residue	Total Suspended Residue	COD								
		HRS	STD UNITS	°C	ML/L	MG/L	MG/L	MG/L	MG/L	MG/L								
1																		
2																		
3	00	24				346			304									
4																		
5																		
6																		
7	00	24				272			178									
8																		
9																		
10	00	24				496			229									
11																		
12																		
13																		
14	00	96				204			102									
15																		
16																		
17	00	24				180			178									
18																		
19																		
20																		
21	00	24				323			407									
22																		
23																		
24	00	24				229			115									
25																		
26																		
27																		
28	00	24				150			118									
29																		
30																		
31	00	24				130			175									
AVERAGE						259			201									
MONTHLY MAXIMUM						496			407									
MONTHLY MINIMUM						130			102									
SAMPLE TYPE C or G						C			C									



DEPARTMENT OF THE NAVY  
Office of the Secretary  
Washington, DC 20350-1000

SECNAVINST 5210.11C CH-2  
NAVDAC 171  
13 September 1985

SECNAV INSTRUCTION 5210.11C  
CHANGE TRANSMITTAL 2

From: Secretary of the Navy  
To: All Ships and Stations

Subj: DEPARTMENT OF THE NAVY FILE  
MAINTENANCE PROCEDURES AND STAND-  
ARD SUBJECT IDENTIFICATION CODES  
(SSIC)

Encl: (1) Revised page 1 and reprinted page 2 of  
the letter of transmittal, revised page 5  
and reprinted page 6, revised pages 9  
through 11 and reprinted page 12, re-  
vised page 15 and reprinted page 16,  
reprinted page 17 and revised page 18,  
reprinted page 19 and revised page 20,  
revised pages 21 and 22, reprinted and  
revised pages 25 through 32, revised

and reprinted pages 37 through 44, re-  
vised pages 45 and 46, revised pages 49  
and 50, reprinted page 51, revised  
pages 52 through 54, revised page 59  
and reprinted page 60

1. **Purpose.** To add new SSICs and revise several SSICs  
of the subject manual.

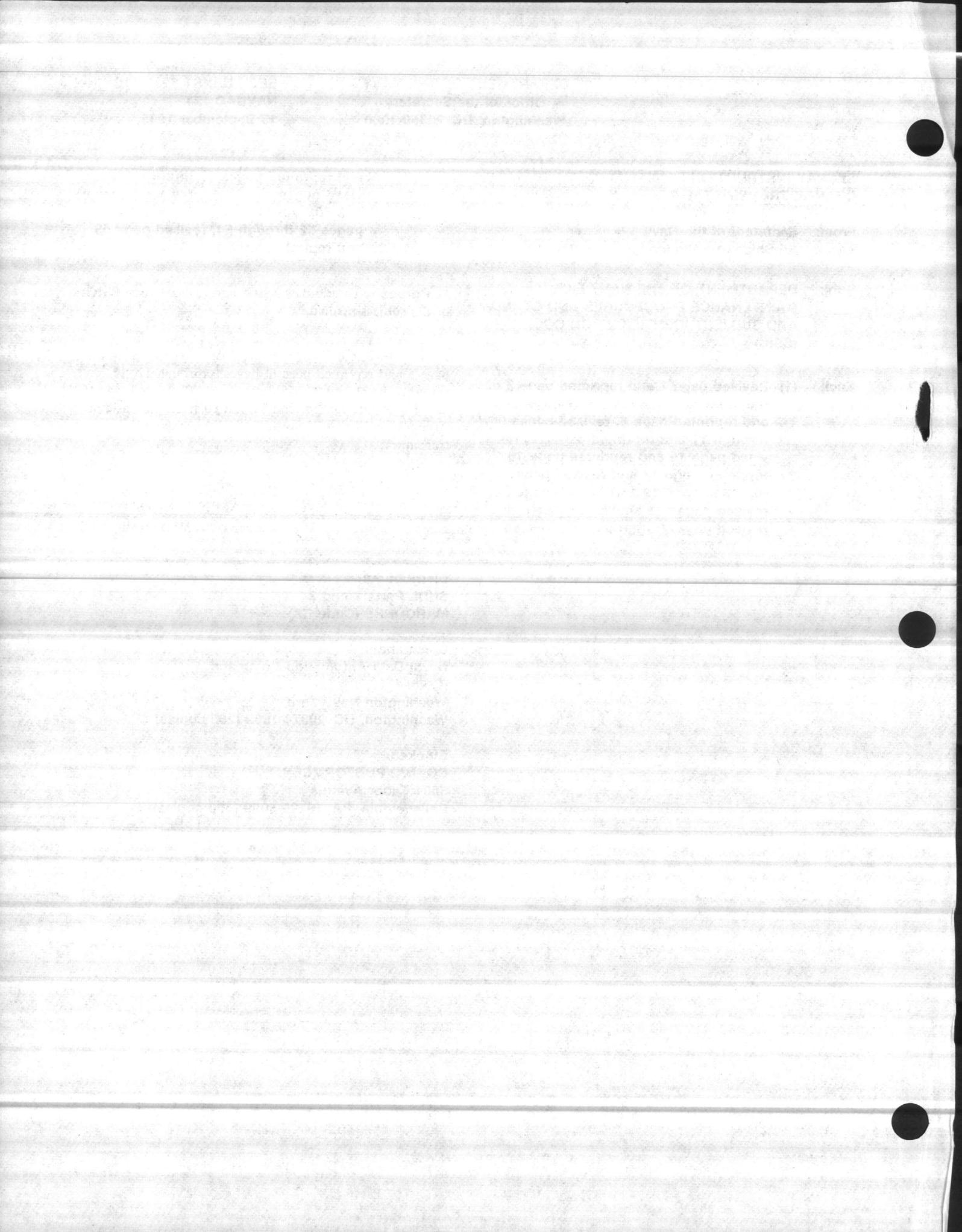
2. **Action.** Remove pages 1 and 2 of letter of transmittal,  
page 5 and reprinted page 6, pages 9 through 12, 15  
through 18, 21 and 22, 25 through 32, 37 through 44, 45  
and 46, 49 through 54, and 59 and 60 from the basic in-  
struction and insert enclosure (1) of this change  
transmittal.

JAMES F. GOODRICH  
Under Secretary of the Navy

**Distribution:**  
SNDL Parts 1 and 2  
MARCORPS (Code CX)

**Commander**  
Naval Data Automation Command  
(Code-172)  
Washington Navy Yard  
Washington, DC 20374-1662 (250 copies)

**Stocked:**  
CO, NAVPUBFORMCEN  
5801 Tabor Avenue  
Philadelphia, PA 19120-5099 (500 copies)



DEPARTMENT OF THE NAVY  
Office of the Secretary  
Washington, D.C. 20350

CH-2 of 13 September 1985

SECNAVINST 5210.11C  
NAVDAC 171  
13 August 1982

(R)

**SECNAV INSTRUCTION 5210.11C**

**From: Secretary of the Navy**  
**To: All Ships and Stations**

**Subj: DEPARTMENT OF THE NAVY FILE  
MAINTENANCE PROCEDURES AND STAND-  
ARD SUBJECT IDENTIFICATION CODES  
(SSIC)**

**1. Purpose.** To revise the Department of the Navy Standard Subject Identification Codes and to promulgate the Department of the Navy File Maintenance Procedures. This instruction has been completely revised and should be read in its entirety. Asterisks indicate new or modified numbers. Section 5 contains a list of deletions.

**2. Cancellation.** SECNAVINSTs 5210.11B and 5211.3A.

**3. Policy.** This instruction outlines the process for segregating and filing Navy and Marine Corps records and the single standard system of numbers and/or letter symbols used throughout the Department of the Navy for: categorizing and subject classifying Navy and Marine

Corps information; identifying directives, blank forms, and reports (assigning report control symbols); and establishing filing and retrieval systems. Only approved codes will be assigned, except that expansion of the system for filing purposes may be effected in accordance with file maintenance procedures.

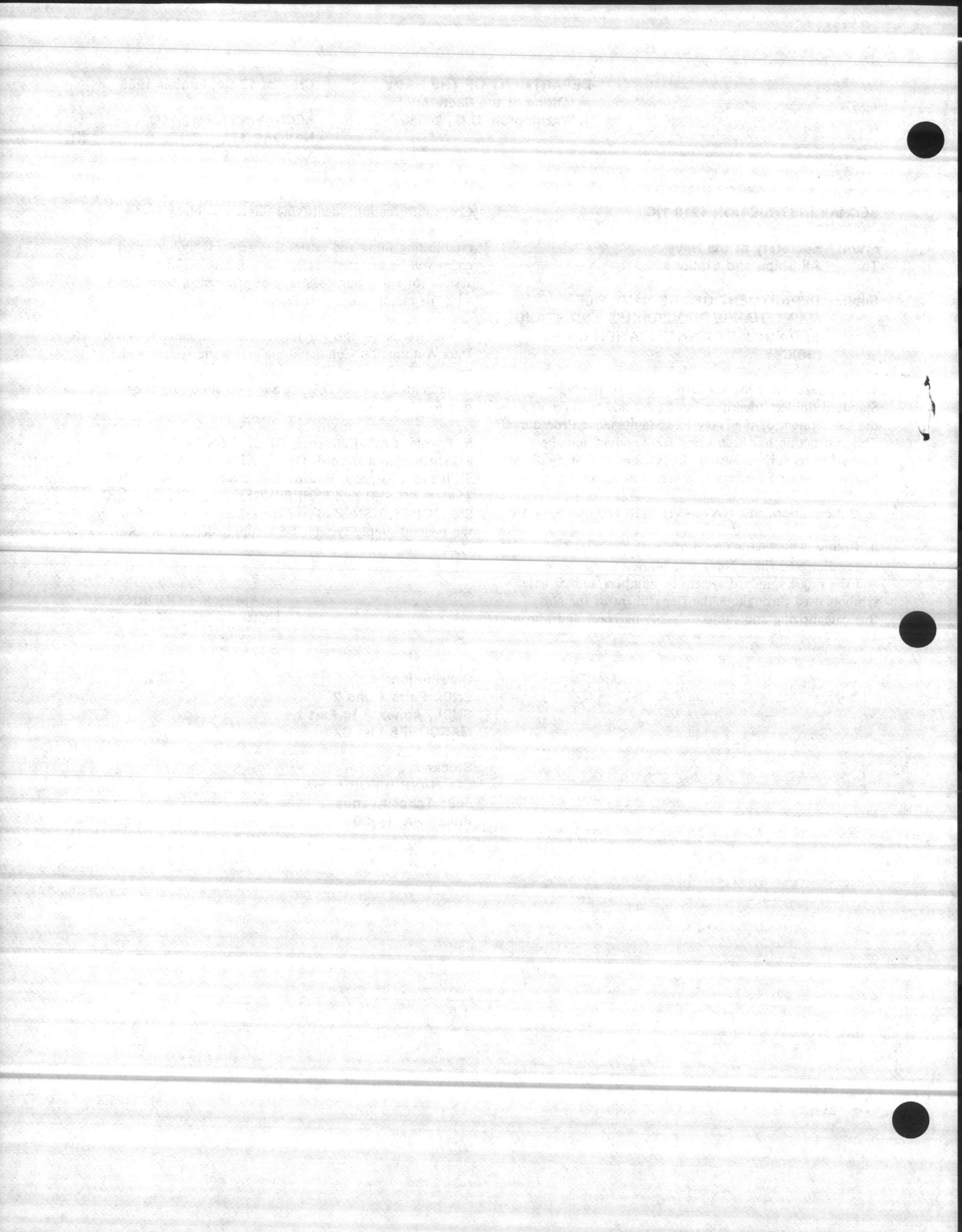
**4. Maintenance and Revision.** The Commander, Naval Data Automation Command maintains the system and provides for changes. Recommendations for changes may be submitted to NAVDAC (Code 171) following Section 6. (R)

**5. Forms.** Cross-Reference, OF-21, NSN 7540-00-823-8128; Chargeout Record, OF-23, NSN 7540-00-823-8130; Shelf File Chargeout Record (Letter Size), OF-24, NSN 7540-00-823-8131 and Shelf File Chargeout Record (Legal Size), OF-25, NSN 7540-00-823-8132 are available through the Federal supply system, GSA supply depots, or local GSA stores.

JAMES F. GOODRICH  
Under Secretary of the Navy

**Distribution:**  
SNDL Parts 1 and 2  
SNDL, Annex A to Part 1  
MARCORPS List CX

**Stocked:**  
CO, NAVPUBFORMCEN  
5801 Tabor Avenue  
Phila., PA 19120



13 SEP 1995

## SECTION 3

**LIST OF STANDARD SUBJECT IDENTIFICATION CODES**  
**\*ASTERISKS INDICATE NEW OR MODIFIED NUMBERS**

**MILITARY PERSONNEL**  
**1000 - 1999**

1000-1099 GENERAL	1300-1399 ASSIGNMENT AND DISTRIBUTION
1000 General (Include Marine Corps SOP's)	1300 General
1001 Reserve Policies and Programs	1301 Officer
1010 Inspections	1306 Enlisted
1020 Uniforms	1320 Orders to Personnel
* 1040 Retention / Career Planning	1321 Officer
1050 Leave and Liberty	1326 Enlisted
1070 Personnel Records	1330 Personnel Requests
1080 Personnel Accounting	1331 Officer
	1336 Enlisted
1100-1199 RECRUITING	1400-1499 PROMOTION AND ADVANCEMENT
1100 General	1400 General
1110 Administration and Logistics	1401 Selections
1111 Manpower	* 1402 Selection Boards Record of Proceedings
1120 Plans and Policy	1410 Requirements and Qualifications
1121 Policy	1412 Officer Qualifications
1122 Research	1414 Enlisted Qualifications
1123 Program Analysis	1416 Officer Examinations
1130 Operations	1418 Enlisted Examinations
1131 Officer Recruiting	1420 Promotions
1132 Officer Recall	1421 Temporary Promotions
1133 Enlisted Recruiting	1426 Permanent Promotions
1134 Enlisted Recall	1427 Rank and Precedence
1136 Recruiter Training	1430 Advancements in Rate or Rating
* 1137 Recruiting Irregularities	1440 Changes in Rank, Rate, or Rating
1140 Advertising	1450 Reductions in Rank, Rate, or Rating
1141 Material Control	1500-1599 TRAINING AND EDUCATION
1142 Recruiting Aids	1500 General
1143 Systems	1510 Enlisted Training
1144 Operations	1511 Nuclear Power Training (Sub)
1150 Support	1512 Nuclear Power Training (Surface)
1152 Sea Power Presentations	1513 Recruit Training
1153 Program Development	1514 Rating Training
1154 Audio / Visual	1520 Officer Training and Education (R)
1155 Fleet / Community Liaison	1521 Joint and Advanced Training
1156 Educator Liaison	1522 Nuclear Power Training (Sub)
1160 Reenlistments and Extensions	1523 Nuclear Power Training (Surface)
1170 Selective Service, Conscription, and Deferment	1524 Graduate Education (A)
1200-1299 CLASSIFICATION AND DESIGNATION	1530 Officer Candidate Training and Education (R)
1200 General	1531 Naval Academy
1210 Officer	1532 Aviation Cadet (AvCad)
1211 Billet Classification Codes and Billet Descriptions	1533 Reserve Officer Training Corps (ROTC)
1213 Designator Codes	1534 Merchant Marine and Maritime
* 1214 Sub-Specialty Codes	1540 Functional Training
1220 Enlisted	1541 Fleet Training
1221 Classification Codes and Billet Descriptions	1542 Flight Training
* 1223 Rank, Rate, or Rating Structure	
1230 Testing and Interviewing	
1231 Officer	
1236 Enlisted	

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- 1543 Equipment and Systems Training
- 1550 Instruction Courses and Training Materials (See also 10170)
- 1551 Training Films, Aids, and Special Devices
- 1552 Training Publications
- 1553 Instructional Systems Development
- 1554 Computer Managed Instruction
- 1560 Voluntary Education
- 1570 Inactive Duty Training
- \*1571 Active Duty for Training
- 1580 Interservice Training

1600-1699 PERFORMANCE AND DISCIPLINE

- 1600 General
  - 1601 Duties and Watches
- 1610 Performance and Conduct
  - 1611 Officer
  - 1616 Enlisted
- 1620 Discipline
  - 1621 Officer
  - 1626 Enlisted
- 1630 Shore Patrol and Military Police
- 1640 Confinement
- 1650 Decorations, Medals, and Awards

1700-1799 MORALE AND PERSONAL AFFAIRS

- 1700 General
- 1710 Recreation and Social Affairs
- 1720 Information Services
- \*1730 Chaplains and Religious Affairs (General)
  - \*1731 Worship
  - \*1732 Other Rites, Ceremonies, Ordinances, Sacraments
  - \*1733 Sacred Music
  - \*1734 Counseling
  - \*1735 Christian Theology and History
  - \*1736 Other Religions and Comparative Religion

- \*1737 Religious Education and Chapel-Related Organizations
- \*1738 Special Programs/ Pilot Ministries
- \*1739 Program Requirements/ Advance Planning
- 1740 Personal Affairs and Benefits
- 1741 Insurance
- \*1742 Voting
- \*1746 Messes and Clubs
- 1750 Dependents' Aid (Assistance)
- 1751 Dependents' Allowances
- 1752 Domestic Relations
- \*1754 Family Support Programs
- 1755 Dependents' Schooling
- 1760 Civil Readjustment and Veterans Affairs
- 1770 Casualties and Survivors' Benefits
- 1771 Casualties
- 1772 Survivors' Benefits
- A) 1780 Educational Benefits

1800-1899 RETIREMENT

- 1800 General
- 1810 Regular Nondisability Retirement
  - 1811 Officer
  - 1812 Enlisted
- 1820 Reserve Nondisability Retirement
- \*1830 Fleet Reserve
- 1850 Disability Retirement
  - 1851 Officer
  - 1856 Enlisted

1900-1999 SEPARATION

- 1900 General
- 1910 Enlisted
- 1916 Release From Active Duty, Reserve
- 1920 Officer
- 1926 Release From Active Duty, Reserve

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## OPERATIONS AND READINESS 3000-3999

- |   |   |
|---|---|
| 3000-3079 OPERATIONS AND READINESS                                  | 3128 Visits of Ships  |
| 3000 General (Including Marine Corps SOP's)                         | 3129 Marine Amphibious Operations   |
| 3005 Civil Defense  | 3130 Search and Rescue  |
| 3006 Natural Disaster Control                                       | 3131 Survival   |
| 3010 Plans (Including combined)                                     | R) *3140 Geophysical and Hydrographic or Mapping,<br>Charting and Geodesy (MC&G) Support, General |
| 3020 Joint Plans  | Observations/ Measurements  |
| 3025 Unified Command Planning Matters                               | *3141 Data Collection   |
| 3030 Navy Plans   | *3142 Data Analysis   |
| 3040 Casualties and Casualty Reporting (See also 1770)              | *3143 Data Prediction   |
| 3041 Hull, Mechanical, and Electrical Casualties                    | *3144 Information Products  |
| 3042 Ordnance Casualties  | *3146 Data/ Information Dissemination   |
| 3043 Electronics (Radar) Casualties                                 | *3147 Data/ Information Quality Assurance   |
| 3044 Electronics (Sonar) Casualties                                 | *3148 Data/ Information Archiving   |
| 3045 Electronics (Communications) Casualties                        | *3160 Astronomical and Chronometric Support, General  |
| 3046 Electronics (Other) Casualties                                 | *3161 Observations/ Measurements  |
| *3047 Personnel Casualties (Shortages)                              | *3162 Data Collection   |
| 3050 Naval Strategy   | *3163 Data Analysis   |
| 3051 Missions   | *3164 Data Prediction   |
| 3052 Functions  | *3165 Information Products  |
| 3053 Warfare Tasks  | *3166 Data/ Information Dissemination   |
| 3054 Force Employment   | *3167 Data/ Information Quality Assurance   |
| 3055 Force Characteristics  | *3168 Data/ Information Archiving   |
| 3056 Force Levels   | 3170 Port Operations, General   |
| 3057 Threat Assessment  | 3171 Anchorage and Berthing   |
| 3058 Risk Assessment  | 3172 Boarding of Ships  |
| 3060 Mobilization   | 3173 Ship's Boats   |
| 3061 Mobilization Plans and Policies                                | 3180 Replenishment  |
| 3062 Mobilization Operational Requirements                          | 3190 Law Enforcement (Harbor Patrol)  |
| 3070 Operations Security  |   |
|   | 3200-3289 CRYPTOLOGY  |
| 3080-3099 RELIABILITY AND MAINTAINABILITY<br>(R&M) (See also 13070) | 3200 Cryptology—General   |
| 3080 General  | 3202 Cryptologic Architecture and Total Systems<br>Integration                                    |
| 3081 Hardware, Fleet, Air   | 3203 Cryptologic Support Group Operations (Concept,<br>Policy)                                    |
| 3082 Hardware, Fleet, Surface                                       | 3205 ADP Support to Cryptologic Systems   |
| 3083 Hardware, Fleet, Subsurface                                    | 3206 Cryptology and Command, Control, and<br>Communications (C <sup>3</sup> )                     |
| 3084 Hardware, Shore  | 3208 Marine Corps Cryptologic Policy and Operations   |
| 3085 Operational ADP Computer Software                              | 3209 NAVRESSECGRU Cryptologic Policy and<br>Operations  |
| 3086 Software, Surface  | 3210 Signals Intelligence (SIGINT), General   |
| 3087 Software, Subsurface   | 3211 SIGINT Policy and Procedures (USSID)   |
| 3088 Software, Shore  | 3212 Navy Compartmented SIGINT Programs   |
| 3090 Command, Control, and Communications (C <sup>3</sup> )         | 3213 Allied Efforts   |
| 3091 Worldwide Military Command and Control System<br>(WWMCCS)      | 3215 SIGINT Equipment Resources   |
| 3092 Navy Command and Control Systems (NCCS)                        | 3216 SIGINT Equipment Installation and Configuration<br>Control                                   |
| 3093 Standards and Interoperability                                 | 3220 National SIGINT Operations   |
|   | 3221 Collection   |
| 3100-3199 OPERATIONS  | 3222 Processing and Reporting   |
| 3100 General  | 3223 Evaluation   |
| 3103 Naval Air Reserve Operations                                   | 3224 Field Station Operations   |
| 3110 Administrative Assignment of Operating Forces of the<br>Navy   | 3225 SIGINT Systems Support (e.g., FLEXSCOP, IATS)  |
| 3111 Home Ports and Yards and Permanent Duty<br>Stations            | 3226 SIGINT Direct Service  |
| 3120 Operating Procedures, Tasks, and Employment                    | 3227 Target Communications Systems  |
| 3121 Operation Plans and Orders                                     | 3230 Fleet Cryptologic Support  |
| 3122 Military-Medical-Dental Guardship Assignment                   | 3231 Surface Direct Support Operations  |
| 3123 Movement Reports   | 3232 Surface Systems  |
| 3124 Fleet Air Operations   | 3233 Surface Carry-on Systems (e.g., SSQ-80, VANS)  |
| 3125 Marine Aviation  | 3234 Submarine Support Operations   |
| 3126 Fleet Employment Schedules and Changes                         | 3235 Submarine Systems  |
| 3127 Employment of the Naval Reserve                                |   |

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- \*3236 Airborne Direct Support Operations
- 3237 Air Systems
- \*3238 Cryptologic Shore Support Activities
- 3239 Shore Systems
- 3240 Electronic Warfare Support
- 3241 Technical Guidance Unit Operations
- 3242 Signal Characteristics Identification Systems
- \*3250 Electronic Intelligence (ELINT) Operations
- 3251 ELINT Collection Systems
- 3252 ELINT Systems Processing and Reporting
- 3253 ELINT Systems Data Base
- 3254 ELINT Technical Support
- \*3260 Signals Security (SIGSEC)—General
- \*3261 SIGSEC Fleet and Afloat Operations
- \*3262 SIGSEC Land Based Operational Surveillance Systems
- 3263 SIGSEC Tactical Application Programs (e.g., HULTEC)
- 3264 COMSEC Telephone Monitoring
- 3265 SIGSEC Equipment Resources
- 3266 SIGSEC Training Program (includes COMSEC Training Visits)
- 3267 COMSEC Advice and Assistance Program
- 3268 COMSEC Briefings and Films Program
- 3270 High Frequency Direction Finding (HFDF) Operations
- 3271 NB HFDF Operations
- 3272 WB ACQ/HFDF Operations
- 3280 Advanced Cryptologic Systems Development (Cryptologic R&D)
  
- 3300-3499 WARFARE TECHNIQUES
- 3300 General
- 3301 Emergency Action (Include procedures, messages, drills, exercises)
- \*3302 Naval Special Warfare Operations
- 3305 Evasion and Escape
- 3310 Aerial
- 3311 Tactical Air
- 3312 Antisubmarine
- 3313 Patrol
- 3314 Helicopter
- 3315 Reconnaissance
- 3316 Airborne Electronic Countermeasures
- 3320 Air Defense
- 3330 Surface
- 3340 Amphibious
- 3350 Submarine Missions
- 3351 Approach and Attack Procedures
- 3352 Tactical Weapons Employment
- 3353 Search Procedures
- 3354 Tracking Procedures
- 3355 Tactical Security
- 3356 Acoustic Sensor Employment
- 3357 Electronics/Optic Sensor
- 3358 Coordination
- 3359 Special Operations
- 3360 Antisubmarine
- 3361 Surface ASW
- 3362 Air ASW
- 3363 Subsurface ASW
- 3364 Non-Acoustic
- 3370 Mine (sea and land)
- 3380 Harbor Defense
- 3390 Guided Missile Installation Defense
- 3400 Nuclear, Biological, and Chemical Warfare (General)
- 3401 Nuclear
- 3402 Biological
- 3403 Chemical
- 3410 Psychological
- 3420 Camouflage
- 3421 Dimout and Blackout
- 3430 Electronic Warfare
- 3440 Disaster Control
- 3441 Nuclear
- 3442 Biological
- 3443 Chemical
- 3450 Shipping Control
- 3460 Captured Personnel, Material, and Documents
- 3461 Prisoners of War
- 3462 Defectors
- 3470 Cold Weather
- 3480 Combat and Action Reports
- 3490 Cover and Deception
  
- 3500-3699 TRAINING AND READINESS
- 3500 General
- \*3501 Operational Readiness and Capabilities
- 3502 Training Plans and Requirements
- 3503 Navy Status of Forces
- 3504 Operational Reporting
- 3505 Seamanship
- 3510 Tactical Doctrine
- 3511 Naval Warfare Publications
- 3512 Allied Tactical Publications
- 3514 Inter Type Tac D&E
- 3515 Submarine Warfare Tac D&E
- 3516 Surface Warfare Tac D&E
- 3517 Air Warfare Tac D&E
- 3518 Exercise Data Collection
- 3519 Exercise Reconstruction
- 3520 Electronics (Other than navigational aids)
- 3521 Radar
- 3522 Sonar
- 3523 Communications
- 3530 Navigation
- 3531 Aids to Navigation
- 3540 Engineering
- 3541 Damage Control
- 3560 Combat Information Center
- 3561 Recognition and Visual Identification
- 3570 Ordnance and Gunnery
- 3571 Ordnance Handling and Disposal (See also 8027)
- 3572 Bombing
- 3573 Landing Party and Infantry
- 3574 Small Arms
- 3590 Competitions and Awards
- 3591 Marksmanship
- 3593 Weapons
- 3600 Guided Missile (General)
- 3610 Electronic Warfare
- 3611 Electronic Surveillance Measures (ESM)
- 3612 Electronic Countermeasures (ECM)
- 3613 Electronic Counter/Countermeasures (ECCM)
  
- 3700-3799 FLIGHT AIR SPACE
- 3700 General
- 3710 General Operating Instructions
- A) 3711 Naval Air Training and Operating Procedure Standardization (NATOPS)
- 3720 All Weather Flying
- 3721 Navigational Aids
- 3722 Traffic Control
- 3730 Emergency Procedures
- 3740 Pilot Qualifications
- 3750 Flight Safety and Accident Analysis

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3752	Summary Report of Aircraft Mishap Board Conclusions and Recommendations	3886	Special
3760	Flight Records and Reports	3890	Intelligence Production
3770	Civil Aviation	*3891	Acoustic
3800-3899	INTELLIGENCE	3900-3999	RESEARCH, DEVELOPMENT, TEST AND EVALUATION (RDT&E)
3800	General	3900	RDT&E, General
3810	Intelligence Planning and Management	3901	RDT&E, Plans
3811	Estimates and Studies	3902	RDT&E, Programs
3820	Intelligence Collection	3903	RDT&E, Projects
3821	Human	3904	RDT&E, Funding
3822	Photographic	3905	RDT&E, Reports
3823	Electronic	3906	RDT&E, Support (Fleet Resources)
3824	Special	3907	RDT&E, Support (Other than fleet resources)
*3825	Acoustic	3910	Research and Development (R&D)—General
3830	Intelligence Dissemination	3911	R&D, Plans
3831	Human	3912	R&D, Programs
3832	Photographic	3913	R&D, Projects
3834	Special	3914	R&D, Funding
*3835	Acoustic	3915	R&D, Reports
3840	Operational Intelligence	3960	Test and Evaluation (T&E)—General
3841	Indications and Warnings	3961	Test and Evaluation Master Plans (TEMPs)/ Test and Evaluation Plans (TEPs)
3850	Counterintelligence	3963	T&E Projects
3860	Joint and Combined Intelligence	3964	T&E Funding
3870	Intelligence Training	3965	T&E Reports
3871	Ground	3966	Science and Technology
3872	Air	3967	In Service Weapon Systems Evaluation
3873	Photographic	A) 3968	Test and Evaluation (T&E) Ranges
3874	Electronic	A) 3969	Test and Evaluation (T&E) Range Instrumentation
3875	Counterintelligence	3970	Development Test and Evaluation (DT&E)—General
3876	Interrogation/ Translation	3971	Contractors Test and Evaluation (DT&E)
3877	Sensor	3972	Technical Evaluation (TECHEVAL)
3878	Special	3980	Operational Test and Evaluation (OT&E)—General
*3879	Acoustic	3981	Initial Operational Test and Evaluation (IOT&E)
3880	Intelligence Support Functions	3982	Follow-on Operational Test and Evaluation (FOT&E)
3882	Scientific and Technical	3983	Operational Evaluation (OPEVAL)
3883	Research and Development	3990	Projection Acceptance Test and Evaluation (PAT&E)—General
3884	Systems		
3885	Programs		

## LOGISTICS 4000-4999

4000-4199 GENERAL	
4000 General	*4225 Local or Decentralized Contracting
4001 Gifts to Naval Establishment	*4226 Small Purchases
4002 Loans or Transfers to or by Naval Establishment	*4230 Foreign Contracting
4010 Scrap and Salvageable Materials	*4231 Buy American Act
4015 Equipping and Allowance Documents (Marine Corps only)	*4235 Contract Requests
	*4236 Specifications
4020 Petroleum	*4237 Funding
4021 Naval Petroleum Reserves	*4238 Delivery Time or Place
*4022 Strategic Petroleum Reserve	*4239 Justifications
*4023 Synthetic Fuels and Fuel Quality	*4240 Contracting Officer Appointment
*4024 Petroleum Requirements	*4245 Ordering Officer Appointment
*4025 Petroleum Stocks	4250 Formal Advertising
*4026 Petroleum Management	4255 Negotiation
*4027 Petroleum Procurement	4260 Contract Cost Principles
*4028 Petroleum Consumption	*4265 Contract Pricing Principles
4030 Packaging, General	4266 Government Price Controls
4031 Cleaning	*4270 Acquisition Forms
4032 Preservation	4275 Contract Clauses
4033 Packaging	4280 Contracts, General
4034 Packing	4281 Fixed-Price Contracts
4035 Markings, Labels, and Designations	*4282 Cost-Type Contracts
4040 Advanced Base Program	*4283 Labor Hour and Time and Material Contracts
4041 Functional Components	*4284 Other
4045 NATO COMMON Infrastructure Program/ NATO Logistics	4285 Subcontracts
4050 Household Goods and Personal Property	*4290 Dissemination of Contract Information
4060 Personal Service	*4296 Contract Statistics
4061 Messes and Cafeterias	*4297 Contract Administrative Lead Time (CALT)
4064 Laundry	*4300 Responsibility of Offeror (General)
4065 Commissary Stores	4305 Preaward Surveys
4066 Exchanges	4310 Contract Clearance
4067 Ships Stores Afloat	4315 Bonds and Insurance
4069 Special Services	4330 Contract Administration
4080 Mobilization Logistics	4335 Contractor Performance
4081 Logistics Support Plans and Policies	4336 Delivery and Shipment (See also 4610)
4082 Logistics Support Requirements	4337 Default
*4100 Conservation and Utilization of Material and Resources (Include basic materials) (General)	4340 Government Property
4101 Energy Conservation	*4341 Government Furnished
4105 Integrated Logistics Support	*4342 Contractor Acquired
4110 Integrated Material Management	4350 Labor and Manpower
4120 Standardization	*4355 Inspection and Acceptance
4121 Specifications	4360 Disputes/ Strikes
4122 Standards	*4361 Protests and Appeals
4123 Qualified Products Lists	*4365 Contractor Claims
4130 Configuration Management	*4366 Extraordinary Contractual Actions
*4140 USMC Life Cycle Cost Model (LCCM) Records	*4367 Other Claims
	4370 Contract Termination (See also 7575)
*4200-4399 CONTRACTING	4375 Renegotiation and Statutory Profit Limitations
4200 General	4380 Small Business
4201 Imprest Funds (Cashier Appointment Letters)	*4381 Claimant Goals and Performance
*4205 Contracting Authority and Responsibility	*4382 Minority Business Enterprise
*4206 Permanent Delegations	4385 Fraud and Irregularities
*4207 Emergency Delegations	4386 Debarred, Ineligible, or Suspended Contractors
*4208 Contract Management Reviews	*4387 EEO Program Non-awardable Contractors
*4210 Intra-Navy Acquisition Assignments	4390 In-Lease Administration
*4215 Coordinated Acquisitions (Within Department of Defense)	
*4220 Interdepartmental Acquisitions (Government)	4400-4499 SUPPLY/ MATERIEL
*4221 Federal Supply Schedule Contracts	4400 General
*4222 Delivery orders to other government agencies	4402 Shop Stores
	4403 Replacement and Evaluation Program (R&E)
	4406 Supply Afloat
	4408 Spare and Repair Parts
	4410 Cataloging, Material Identification, and Classification

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## GENERAL ADMINISTRATION AND MANAGEMENT 5000-5999

- 5000-5199 GENERAL
- 5000 General (Include Marine Corps SOP's)
- 5030 Names and Symbols
- \*5031 Ship names
- \*5032 Street, facility, and area names
- 5040 Naval Command Inspection Program
- 5041 Inspector General Investigations/ Inspections
- 5050 Meetings, Conferences, Conventions and Visits
- 5060 Honors and Ceremonies
- 5061 Public Service Awards
- \*5062 Christening ceremonies and procedures
- 5070 Libraries and Library Services
- 5080 Civil Affairs, Military Government
- \*5090 Environmental Protection (General) (See also 6200)
- 5100 Safety and Occupational Health (see also 6200)
- 5101 Accident Prevention
- 5102 Accident Investigation and Reporting
- 5103 Occupational Safety and Health
- A) 5104 Industrial Radiological Safety and Controls
- 5110 Mail and Postal Affairs
- 5111 Policies
- 5112 Regulations
- 5113 Liaison
- 5114 Transportation
- 5115 Losses and Claims
- 5116 Complaints
- 5117 Equipment
- 5118 Customs and Contraband
- 5119 Postal Operations
- 5120 United States Savings Bonds
- \*5130 Courier Services (Navy component of the Armed Forces Courier Service)
- 5200-5299 MANAGEMENT PROGRAMS AND TECHNIQUES
- 5200 General
- 5210 Records Management
- \*5211 Filing, Maintenance, Retrieval, and Privacy Act Systems
- 5212 Records Disposal Systems (include transfer, retirement, storage, and destruction)
- 5213 Forms Management (include formats)
- 5214 Reports Management
- 5215 Issuance Systems (include directives)
- 5216 Correspondence Management
- 5217 Effective Writing (include drafting and review)
- 5218 Mail Management (exclude postal affairs)
- \*5219 Publications Management
- 5220 Workload/ Performance Measurement
- 5221 Administrative Workload Management
- 5222 Office Techniques, Methods and Procedures
- 5223 Management Studies, Analyses and Reviews
- 5224 Management Improvement Programs, Procedures and Achievements
- 5230 Automatic Data Processing and Information Systems
- 5231 Data Systems Development
- 5232 Evaluation and Review
- 5233 Installation Management
- 5234 Software Standards
- 5235 Data Elements and Codes
- 5236 Procurement of ADP Resources
- 5237 Reutilization and Sharing
- 5238 Resources Accounting
- 5239 Data Transmission and Protection
- 5240 Industrial Methods
- \*5250 Management Sciences/ Operations Research
- \*5270 Office Information Systems Program Management, General
- \*5271 Information Resources
- \*5272 Automated Office Systems
- 5280 Operations Analysis
- \*5290 Audiovisual Management, General
- \*5291 Administration and Organization
- \*5292 Financial Management (see also 7000)
- \*5293 Facilities Management
- \*5294 Personnel Resources
- \*5295 Professional Training
- \*5296 Equipment Management
- \*5297 Productions, Products, and Services
- \*5298 Information Systems (Including Automated)
- \*5299 Precious Metals Recovery
- 5300-5399 MANPOWER/ PERSONNEL (USE FOR OVERALL CIVILIAN AND MILITARY PERSONNEL MATTERS)
- 5300 General
- 5305 Incentive Awards (Military/ Civilian)
- 5310 Manpower
- 5311 Requirements
- 5312 Utilization
- 5314 Statistics
- 5320 Organizational Manning and Billets
- 5321 Organizational Allowance, Allocations and Ceilings
- 5330 Hours of Work/ Daily Routine
- 5340 Contributions, Solicitations, and Collections
- 5350 Human Goals
- 5351 Leadership and Management
- 5352 Overseas Diplomacy
- 5353 Alcohol Abuse Control
- 5354 Equal Opportunity
- 5355 Drug Abuse Control
- 5357 Career Motivation
- 5360 Deaths and Funerals
- 5370 Standards of Conduct
- 5371 Relating to Procurement
- 5380 Services
- 5381 Banking Facilities and Credit Unions
- 5400-5499 ORGANIZATION, FUNCTIONS, AND STATUS
- 5400 General
- 5401 Organizational Concepts and Principles
- 5402 Delegation/ Succession of Authority
- 5410 Department of Defense and Interservice
- 5420 Boards, Committees, Councils, and Groups
- 5430 Navy Department (Seat of Government)
- 5440 Operating Forces
- 5441 Status of Vessels
- 5442 Status of Aircraft
- 5450 Shore Establishment
- 5451 Aviation Shore Establishment

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- 5452 Air Training Commands
- 5460 Department of Navy
- 5500-5599 SECURITY (See also 2200-2299)
- 5500 General (including security regulations of a general nature)
- 5510 Information Security
- 5511 Classified Material Control
- 5512 Identification (Credentials, tags, passes, and permits)
- 5513 DON Security Classification Guidance
- 5514 Censorship
- 5520 Personnel Security
- 5521 Name Check and Personnel Clearances
- 5522 Inspections
- 5527 Investigations
- 5528 Security Education
- \*5529 Clearance Adjudications
- 5530 Physical Security
- \*5531 Industrial Security
- \*5532 Facilities
- 5540 Commerce and Travel
- 5560 Traffic Control and Parking
- 5570 Safeguarding Unclassified Matter
- A) 5580 Law Enforcement
- A) 5585 Military Working Dogs (Law enforcement and physical security functions)
- 5600-5699 MICROGRAPHICS PUBLICATIONS, PRINTING, DUPLICATING, AND REPRODUCTION
- 5600 General
- 5602 Preparation
- 5603 Production
- 5604 Procurement
- 5605 Distribution
- 5606 Computer Output to Microform (COM)
- 5607 Camera Output to Microform
- 5608 Equipment
- 5700-5799 EXTERNAL AND INTERNAL RELATIONS
- 5700 General
- 5710 International Relations
- 5711 Standardization Programs and Agreements
- \*5720 External Public Affairs (including Freedom of Information)
- 5721 Speeches
- 5723 Guest Cruise Program
- 5724 Fleet Home Town News
- 5725 Reserve Program
- 5726 Community Relations
- 5727 Media Relations
- 5728 Public Affairs Guidance
- 5730 Congressional and Legislative Liaison
- 5740 Executive Agencies, Relations With
- \*5750 Historical Matters (For history of religions see 1735 and 1736)
- 5751 Research
- 5752 Ships
- 5753 Archives
- 5754 Artifacts and Paintings
- 5755 Museums
- \*5756 Aircraft
- \*5757 Command histories
- \*5758 Historical Places and Events
- 5760 Organizations, Associations, Societies, Individuals, and Commercial Enterprises
- 5770 American Forces Radio & Television (AFRTS)
- 5771 Administration and Policy
- 5772 Programming and Production
- 5773 Afloat AFRT Operations
- 5774 Shore-based AFRT Operations
- 5775 Engineering and Equipment
- 5776 Logistics and Supply Procedures
- 5777 Budgets
- 5778 Manpower
- 5779 Reports
- 5780 Internal Public Affairs
- 5800-5899 LAWS AND LEGAL MATTERS
- 5800 General
- 5801 Legal Assistance
- 5802 Fiduciary Affairs
- 5810 Military Justice
- \*5811 Pretrial Matters
- \*5812 Commanding Officer's Nonjudicial Punishment
- \*5813 Court-Martial Trials
- \*5814 Court-Martial Reviews and Appeals
- \*5815 Sentences
- \*5817 Personnel of Courts
- \*5819 Military Grievance Procedure
- 5820 Jurisdiction, Military and/or Civil
- 5821 Delivery of Personnel
- 5822 Civil Courts
- 5830 Courts of Inquiry and Investigations
- 5840 Taxes, Customs, and Duties
- 5850 Codifications and Citations
- 5860-5863 OFFICE OF LEGISLATIVE AFFAIRS
- 5860 Legislation and Congressional Action
- 5861 Legislative Proposals
- 5862 Legislative Enactments
- 5863 Congressional Investigations
- 5870 Patents, Copyrights, Inventions, Trademarks
- 5880 Admiralty
- 5890 Claims (Other than contract claims)
- \*5891 Litigation Case Files
- 5900-5999 OFFICE SERVICES
- 5900 General
- 5910 Space (Requirements, allocations)
- 5920 Maintenance
- 5930 Stenographic, Clerical, and Messenger
- 5940 Word Processing Systems

## MEDICINE AND DENTISTRY 6000-6999

### 6000-6099 GENERAL

6000 General (include Marine Corps SOP's)  
6010 Administration

### 6100-6199 PHYSICAL FITNESS

6100 General  
6110 Physical Standards  
6120 Physical Examinations  
6150 Health and Medical Records

### 6200-6299 PREVENTIVE MEDICINE

6200 General (see also 5100)  
6210 Quarantine  
6220 Communicable Diseases  
6222 Venereal Disease  
6224 Tuberculosis  
6230 Prophylaxis  
6240 Hygiene and Sanitation  
6250 Insect, Pest, and Rodent Control  
6260 Occupational Health  
6270 Toxicology  
6280 Environmental Quality and Pollution Control

### 6300-6399 GENERAL MEDICINE

6300 General  
6310 Diseases and Injuries  
6320 Treatment and Hospitalization  
6321 Beds  
6322 Supernumeraries  
6330 Rehabilitation and Convalescence

### 6400-6599 SPECIAL FIELDS

6400 General  
6401 Medical Specialties  
6410 Aviation Medicine  
6420 Submarine and Diving Medicine  
6430 Tropical Medicine  
6440 Amphibious and Field Medicine

\*6450 Ambulatory Care Medicine

6460 Surgery  
6470 Radiological Medicine  
6480 Special Weapons, Medical Problems Concerning  
6490 Vision  
6500 Research  
6510 Pathology  
6520 Psychiatry  
6530 Blood and Derivatives  
6540 Space Medicine  
6550 Nursing  
\*6560 Surface and Sealift Medicine  
\*6570 Pharmacy

### 6600-6699 DENTISTRY

6600 General  
6610 Professional Service  
6620 Treatment  
6630 Prosthetic Dentistry  
6640 Oral Surgery  
6650 Operative Dentistry  
6660 Periodontia  
6670 Dental Specialties

### 6700-6899 EQUIPMENT AND SUPPLIES

6700 General  
6710 Drugs, Chemicals, and Biologicals  
6720 Surgical Dressings  
6730 Surgical and Diagnostic  
6740 Laboratory and Pharmacy  
6750 Dental  
6760 X-Ray  
6770 Hospital  
6780 Field (Medical kits and assemblies)  
6790 Occupational Therapy  
6800 Orthopedic  
6810 Optical  
6820 Textbooks and Journals

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## FINANCIAL MANAGEMENT 7000-7999

- 7000-7099 GENERAL
  - 7000 General
  - 7010 Nonappropriated Funds
  - 7020 Cross/Common Servicing (DOD)
  - 7030 Work for Other Agencies
  - 7040 Specific Appropriations/ Funding Responsibilities
    - 7041 Military Personnel
    - 7042 Operations and Maintenance
    - 7043 Procurement
    - 7044 Research, Development, Test and Evaluation
    - 7045 Military Construction
  - 7050 Host-Tenant Relationships (Intra-Navy)
  - \*7051 Host-Tenant Relationships (Inter-Service/ Agency)
  
- 7100-7199 BUDGETING
  - 7100 General
    - 7101 Appropriation Structure and Language
    - 7102 Exhibits and Format
  - 7110 Budget/ Estimates Preparation
    - 7111 Regular Appropriations
    - 7112 Industrial/ Management Funds
  - 7113 Stock Funds
  - 7114 Supplemental and Deficiency Appropriations
  - 7120 Budget Review
    - 7121 Hearings
    - 7122 Mark-Ups and Reclamas
  - 7130 Budget Execution
    - 7131 Apportionments/ Allocations
    - 7132 Financial Plans and Operating Budgets
    - 7133 Reprogramming
  
- 7200-7299 DISBURSING
  - 7200 General
    - 7210 Procurement, Custody, and Disposition of Funds
    - 7220 Military Pay
    - 7230 Civilian Pay
  - A) 7240 Public Vouchers
  - 7250 Disbursing Records, Reports, and Returns
    - 7251 Site-Audited Returns
  - A) 7270 Receipts
  - A) 7280 Regional Consolidation Procedures
  
- 7300-7399 APPROPRIATION, FUND, COST, AND PROPERTY ACCOUNTING
  - 7300 General
    - 7301 Appropriation Accounting
    - 7302 Fund Accounting
    - 7303 Allotments and Project Orders
  - 7310 Cost Accounting
    - 7312 Cost Classifications
  - 7320 Property Accounting
    - 7321 Plant Property Accounting
    - 7322 Minor Property in Use
  - 7323 Stores Accounts
  - 7330 Accounting Reports and Returns
  - 7331 Industrial Accounting Reports and Returns
  
- 7400-7499 PAY ADMINISTRATION AND PAYROLL AND LABOR ACCOUNTING
  - 7400 General
    - 7401 Tax Withholding
    - 7410 Civilian Labor Accounting
    - 7420 Civilian Payroll Accounting
  
- 7421 Pay Authorizations and Controls
- 7430 Military Payroll Accounting
- 7431 Allowances and Accounts
  
- 7500-7599 AUDITING
  - 7500 General
    - 7501 Reviews and Surveys Conducted by the GAO
    - 7502 Audits Conducted by the Defense Audit Service
  
- 7510-7599 INTERNAL AUDITING
  - 7510 General
    - 7511 Audit Schedules
  - \*7520 Internal Audit Procedures and Audit Guide Programs
  - 7540 Internal Audit Reports
    - 7541 Periodic
  - \*7542 Continuous and Project Management
  - 7543 Disbursing
  - \*7544 Commercial or Industrial-Type Activities
  - \*7545 Systems Development
    - 7546 Special
  - \*7547 Multi-Location and Coordinated
  - \*7548 Morale, Welfare and Recreation
  - \*7549 Management Consulting
  
- 7560-7599 CONTRACT AUDITING
  - 7560 General
    - 7561 Contractors' Controls and Procedures
    - 7562 Accounting Rulings, Precedents, and Decisions
    - 7564 Audit Liaison
    - 7565 Coordinated Audit Program
    - 7566 Audit Services for Other Than DOD
  - 7570 Contract Audit Procedures
    - 7571 Cost-Type Contracts
    - 7572 Fixed-Price Contracts
    - 7573 Subcontracts
    - 7574 Pricing Surveys
    - 7575 Termination Claims
    - 7576 Escalation Claims
    - 7577 Appeal and Review Briefs
  - 7580 Contract Audit Reports
    - 7581 Preaward Survey
    - 7582 Advisory Accounting Reports
    - 7583 Negotiated Final Overhead Reports
    - 7584 Contract Audit Closing Statements
    - 7585 General Accounting Office Reports
  - 7590 Contract Audit Cost Principles
    - 7591 Amortization and Depreciation
    - 7592 Research and Development Expenses
    - 7593 Retirement and Profit-Sharing Plans
    - 7594 Premium Pay
    - 7595 State and Local Taxes
    - 7596 Rental Expenses
  
- 7600-7699 INDUSTRIAL FUND FINANCING
  - 7600 General
    - 7610 Charters
      - 7620 Cash Allocations
      - 7630 Financial Condition
      - 7640 Income and Expense
      - 7650 Accounting Handbook

7670 Working Capital Fund Regulations

7700-7799 PROGRESS AND STATISTICAL  
REPORTING

7700 General

7710 Policies

7720 Procedures

7800-7899 CONTRACT AND SPECIAL FINANCING

7800 General

7810 Contract Financing

7820 Special Financing

7900-7999 EEO RESOURCES MANAGEMENT

7900 General

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# ORDNANCE MATERIAL 8000-8999

## 8000-8199 GENERAL ORDNANCE MATERIAL AMMUNITION AND EXPLOSIVES

8000 Ordnance Material, General  
 8010 Ammunition and Explosives  
 8011 Allowances  
 8012 Distribution and Issue  
 8013 Fleet Return Ammunition  
 8014 Maintenance and Rework/Renovation  
 8015 Ammunition Stock Recording Systems  
 8020 Ammunition and Explosives Safety  
 8021 Packaging and Carloading  
 8022 Cargo Ship Loading  
 8023 Handling and Transportation  
 8024 Stowage  
 8025 Casualties and Malfunctions  
 8026 Disposition of Ammunition  
 8027 Explosive Ordnance Disposal (See also 3571)  
 8028 Transportation  
 8030 Gun Ammunition  
 8031 20mm and 40mm  
 8032 3 Inch and 76mm  
 8033 5 Inch and 127mm  
 8034 6 Inch and Larger  
 8035 Saluting Gun Ammunition  
 8036 Line Throwing Gun Ammunition  
 8037 Aircraft Gun Ammunition  
 8039 Guided Projectiles  
 8040 Rockets  
 8041 Surface  
 8042 Aircraft  
 8043 Ground  
 8050 Pyrotechnics  
 8051 Surface  
 8052 Igniters  
 8053 Subsurface  
 8054 Ground  
 8060 Demolition Material  
 8061 Amphibious and Underwater  
 8070 Nuclear, Biological, and Chemical Warfare Material  
 8071 Nuclear Warfare Material  
 8072 Biological Warfare Material  
 8073 Chemical Warfare Material  
 \*8080 Artillery (General)  
 \*8081 Towed  
 \*8082 Self-Propelled  
 \*8083 Rocket  
 \*8084 Cannon  
 \*8085 Fire Control and Optics  
 8090 Land Type and Marine Corps Ammunition  
 8091 Small Arms Ammunition  
 8092 Land Mines  
 8093 Grenades  
 8095 Mortar  
 \*8110 Nuclear Ordnance/Special Weapons Safety  
 8120 Nuclear Weapons (General)  
 8121 Nuclear Weapons Storage  
 8122 Nuclear Weapons Maintenance  
 8123 Nuclear Weapons Readiness and Training  
 8124 Nuclear Weapons Logistics  
 8125 Nuclear Weapons Planning  
 8126 Nuclear Weapons Security

8127 Nuclear Weapons Operations

## A) 8128 Nuclear Weapons Radiological Controls

\*8140 Directed Energy Weapons  
 \*8141 High Energy Laser  
 \*8142 Charged Particle Beam  
 \*8143 High Power Microwave  
 \*8144 Free Electron Laser  
 \*8145 Pulsed Power  
 8150 Bombs

## 8200-8299 FIRE CONTROL AND OPTICS

8200 General  
 8205 Stable Elements  
 8210 Optics and Visual Equipment  
 8215 Night Vision Equipment, Sights, and Devices  
 8220 Gun Fire Control  
 8221 Systems  
 8222 Radar  
 8223 Directors  
 8224 Computers and Rangekeepers  
 8225 Battery Alignment  
 8226 Ballistics  
 8227 Gun Sights  
 8228 Conversion Devices  
 8230 Target Designation Systems  
 \*8240 Directed Energy Weapons Fire Control  
 \*8241 Systems  
 \*8242 Acquisition and Tracking  
 \*8243 Laser Beam Control  
 R) 8244 Particle Beam Control  
 \*8245 Microwave Control  
 8250 Rocket Fire Control  
 8260 Guided Missile Fire Control  
 8261 Systems  
 8262 Radar  
 8263 Directors  
 8264 Computers  
 8265 Conversion Devices  
 8270 Gun and Missile Fire Control  
 8271 Systems  
 8272 Radar  
 8273 Directors  
 8274 Computers  
 8275 Conversion Devices  
 8276 Ballistics  
 8280 Underwater Fire Control  
 8281 Surface Ship  
 8282 Submarine  
 8290 Switchboards  
 8291 Gun Fire Control  
 8292 Missile Fire Control  
 8293 Underwater Fire Control

## 8300-8399 GUNS AND MOUNTS

8300 General  
 8310 3 Inch  
 8311 3"/50 Caliber  
 8312 3"/70 Caliber  
 8313 76mm/62 Caliber  
 8320 5 Inch

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8321	5" 25 Caliber	8513	Submarine Launched
8322	5"/38 Caliber	8514	Surface Launched
8323	5"/54 Caliber	8515	Air and Surface Launched
8330	6 Inch and Larger	8516	Air, Surface, and Underwater Launched
8631	6"/47 Caliber	8530	Depth Charges
8332	8" 55 Caliber	8535	Depth Bombs
8333	12" 50 Caliber	8550	Mines
8334	14" 50 Caliber	8551	Aircraft Laid
8335	16"/45 and 16" 50 Caliber	8553	Submarine Laid
8350	Line-Throwing Guns	*8554	Surface Laid
8360	Machine Guns (Surface)	8555	Antisubmarine
8361	30 Caliber and 50 Caliber	8560	Harbor Defense Equipment (include nets, booms, controlled mines, and associated acoustic systems)
8362	20mm	8570	Underwater Countermeasures and Evasion Devices
8363	40mm	8571	Ordnance Locators
8365	20mm Surface-to-Air Automatic	8580	Underwater Targets
8370	Small Arms and Landing Force Equipment	8581	Underwater Mobile Targets
8373	Special Rifle Team Equipment	8590	Underwater Ranges
8380	Airborne Guns, Launchers, and Racks	8591	Underwater Range Support Equipment
8381	Guns	8592	Mobile Underwater Ranges
8382	Bomb Racks		
8383	Rocket Racks and Launchers	8600-8699	AVIATION ORDNANCE
8390	Missile Launchers and Projectors	8600	General
8391	Launchers (A, S)	8610	Rocket and Missile Propulsion Systems
8392	Depth Charge Release Tracks		
8393	Rocket Launchers	8800-8899	GUIDED MISSILE AND ROCKET WEAPONS
8394	Guided Missile Launchers	8800	General
8395	Torpedo Tubes	8805	Technical Information and Modifications (Marine Corps only)
8397	Other Launchers	8810	Intercept-Aerial (AIM, CIM, LIM, MIM)
		8815	Surface to Air (RIM)
8400-8499	COMBAT VEHICLES	8820	Surface Attack (AGM, CGM, HGM, LGM, MGM, PGM, RGM, UGM, BGM)
8400	General	8830	Underwater Attack (UUM, RUR)
8410	Landing Vehicles, Tracked (LVT)	*8832	ASW Standoff Weapon
8411	Personnel and Cargo Carriers	8840	Drones (AQM, MQM, BQM, MGM, and MQR)
8412	AAA Weapons and Cargo Carriers	8850	Training (ATM, MTM, and RTM)
8414	Howitzer Carriages		
8415	Recovery Vehicles	8900-8999	MISCELLANEOUS ORDNANCE MATERIAL
8420	Tanks and Self-Propelled Artillery	8900	General
8421	Gun Tank (90mm and smaller)	8950	Deperming and Degaussing
8422	Gun Tank (Larger than 99mm)	8960	Armor
8423	Flamethrower Tanks	8980	Swimmer and Antiswimmer Ordnance and Weapon Systems
8424	Recovery Vehicle	8981	Swimmer Ordnance and Weapon Systems
8440	Amphibious Vehicles	R) 8982	Anti-Swimmer Ordnance and Weapon Systems
8500-8599	UNDERWATER ORDNANCE		
8500	General		
8510	Torpedoes		
8512	Aircraft Launched		

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## SHIPS DESIGN AND MATERIAL 9000-9999

- |           |   |           |  |
|-----------|---|-----------|--|
| 9000-9099 | GUIDANCE AND ADMINISTRATION (SHIP REQUIREMENTS)       | 9210      | Energy Generating System (Nuclear)                             |
| 9000      | General   | *9212     | Nuclear Steam Generator  |
| 9010      | Combat Capabilities                                   | *9213     | Reactors   |
| 9020      | Strategies and Special Capabilities                   | *9214     | Reactor Coolant System   |
| 9030      | Tactical and Strategic Operation Support Capabilities | *9215     | Reactor Coolant Service System                                 |
| 9040      | Ship System Management                                | *9216     | Reactor Plant Auxiliary Systems                                |
| 9050      | Ship System Performance                               | *9217     | Nuclear Power Control and Instrumentation                      |
| 9060      | Subsystem Characteristics                             | *9218     | Radiation Shielding (Primary)                                  |
| 9070      | General Requirements for Design and Construction      | *9219     | Radiation Shielding (Secondary)                                |
| 9071      | Access  | 9220      | Energy Generating System (Non-Nuclear)                         |
| 9072      | Shock   | 9221      | Propulsion Boilers   |
| 9073      | Noise and Vibration                                   | 9222      | Gas Generators   |
| 9074      | Casting, Welding, Riveting, and Allied Processes      | 9223      | Main Propulsion Batteries                                      |
| 9075      | Threaded Fasteners Maintenance                        | 9224      | Main Propulsion Fuel Cells                                     |
| 9076      | Reliability and Maintenance                           | 9230      | Propulsion Units   |
| 9077      | Safety  | 9231      | Propulsion Steam Turbines                                      |
| 9078      | Material  | 9232      | Propulsion Steam Engines                                       |
| 9079      | Seaworthiness   | 9233      | Propulsion Internal Combustion Engines                         |
| 9080      | Integrated Logistic Support Requirements              | 9234      | Propulsion Gas Turbines  |
| 9081      | Maintenance   | 9235      | Propulsion, Electric   |
| 9082      | Support and Test Equipment                            | 9236      | Self-Contained Propulsion Systems                              |
| 9083      | Supply Support  | 9237      | Auxiliary Propulsion Devices                                   |
| 9084      | Transportation and Handling                           | 9238      | Secondary Propulsion (Submarines)                              |
| 9085      | Engineering Drawings                                  | 9239      | Emergency Propulsion (Submarines)                              |
| 9086      | Technical Manuals and Other Data                      | 9240      | Transmission and Propulsion Systems                            |
| 9087      | Facilities  | 9241      | Propulsion Reduction Gears                                     |
| 9088      | Personnel and Training                                | 9242      | Propulsion Clutches and Couplings                              |
| 9089      | Training Equipment                                    | 9243      | Propulsion Shafting  |
| 9090      | Quality Assurance Requirements                        | 9244      | Propulsion Shaft Bearings                                      |
| 9091      | Ship Inspections                                      | 9245      | Propulsors   |
| 9092      | Ship Tests  | 9246      | Propulsors, Shrouds, and Ducts                                 |
| 9093      | Combat Systems Checkout                               | 9247      | Water Jet Propulsors   |
| 9094      | Ship Trials   | 9250      | Propulsion Support Systems                                     |
| 9096      | Weight Control  | 9251      | Combustion Air System  |
| 9097      | Inclining Experiment and Trim Drive                   | 9252      | Propulsion Control System                                      |
| 9098      | Models and Mockups                                    | 9253      | Main Steam Piping System                                       |
| 9099      | Photographs   | 9254      | Condensers and Air Ejectors                                    |
|           |   | 9255      | Feed and Condensate System                                     |
|           |   | 9256      | Circulating and Cooling Water System                           |
|           |   | 9258      | High Pressure Steam Drain System                               |
|           |   | 9259      | Uptakes (Inner Casing)   |
| 9100-9199 | HULL STRUCTURE  | 9260      | Propulsion Support Systems (Fuel and Lube Oil)                 |
| 9100      | General   | 9261      | Fuel Service Systems   |
| 9110      | Shell and Supporting Structure                        | 9262      | Main Propulsion Lube Oil System                                |
| 9120      | Hull Structural Bulkheads                             | 9263      | Shaft Lube Oil System (Submarines)                             |
| 9130      | Hull Decks  | 9264      | Lube Oil Fill, Transfer, and Purification                      |
| 9140      | Hull Platforms and Flats                              | 9290      | Special Purpose Systems (Propulsion Plant)                     |
| 9150      | Deck House Structure                                  | A) 9291   | Engineering Operational Sequencing System                      |
| 9160      | Special Structures                                    |           |  |
| 9162      | Stacks and Macks                                      | 9300-9399 | ELECTRIC PLANT   |
| 9164      | Ballistic Plating                                     | 9300      | General  |
| 9165      | Sonar Domes   | 9302      | Motors and Associated Equipment                                |
| 9167      | Hull Structural Closures                              | 9303      | Protective Devices   |
| 9170      | Masts, Kingposts, and Service Platforms               | 9304      | Electric Cables  |
| 9180      | Foundations   | 9305      | Electrical Designating and Marking                             |
| 9190      | Special Purpose Systems (Hull)                        | 9310      | Electric Power Generation                                      |
| 9191      | Ballast and Buoyancy Units                            | 9320      | Power Distribution Systems                                     |
| 9192      | Compartment Testing                                   | 9330      | Lighting System  |
| 9200-9299 | PROPULSION PLANT                                      | 9340      | Power Generation Support Systems (Lube Oil and Diesel Support) |
| 9200      | General   | 9360      | Gas Turbines   |
| 9202      | Automated Ship Control Systems                        |           |  |

## GENERAL MATERIAL 10000-10999

### 10000-10099 GENERAL

- 10000 General (Include Marine Corps SOP's)
- 10010 Technical Information and Modification (Marine Corps only)

### 10100-10199 PERSONNEL MATERIAL

- 10100 General
- 10110 Provisions and Rations
- 10120 Clothing and Uniforms
- 10121 Naval and Marine Corps Reserve Clothing
- 10122 Officer Clothing and Uniforms
- 10123 Officer Candidate Clothing and Uniforms
- 10124 Organizational Clothing
- 10125 Special Clothing/ Cold Weather Clothing
- 10126 Flight Clothing
- 10127 Atomic, Biological, and Chemical Warfare Protective Clothing
- \*10128 Retail Clothing Store Items
- 10130 Ships Store Items
- 10140 Exchange Items
- \*10150 Personal Service Equipment
- \*10151 Mess
- \*10152 Laundry
- \*10170 Training Material

### 10200-10299 MACHINERY AND TOOLS (See also 4870)

- 10200 General
- 10250 Conveying and Hoisting Equipment

### 10300-10599 MISCELLANEOUS (See also 4840)

- 10300 General
- 10310 Metals
- 10320 Nonmetallic Materials (See also 4110)
- 10330 Chemicals and Gases (Except Warfare)
- 10340 Fuel
- 10342 Propellants and Oxidizers

### 10350 Lubricants

- 10360 Protective and Preservative Coatings and Compounds (includes paints, dopes, and related products)
- 10370 Building Materials
- 10380 Electrical and Electronic Components
- 10390 Electric Distribution Equipment
- 10400 Molds, Dies, Jigs (General)
- 10460 Office Equipment and Supplies, General
- 10461 Records Production Equipment
- 10462 Records Handling and Utilization Equipment
- 10463 Records Filing, Storage, and Retrieval Equipment
- 10464 Records Destruction Equipment
- 10465 Other Office Procedures Equipment
- 10466 Office Supplies
- 10467 Office Furniture and Furnishings
- 10470 Safety and Survival Equipment and Devices
- 10480 Sanitary and Cleaning Equipment
- 10490 Materials Handling Equipment
- 10500 Navigational and Mooring Aids, General
- 10550 Electronics (See also 9420 series, 3320, and 13290)
- 10551 Radar (See also 13290)
- 10552 Sonar
- 10553 Loran, Racon (See also 13220)
- \*10554 Electrostatic Discharge (ESD)
- 10560 Diving Equipment
- 10570 Animals, Domestic and Wild

### 10700-10799 AUDIOVISUAL EQUIPMENT AND ACCESSORIES

- 10700 General
- 10710 Motion Picture Equipment and Accessories
- 10720 Still Picture Acquisition Equipment and Accessories
- 10750 Video Acquisition Equipment
- 10760 Audio Acquisition Equipment
- 10770 Graphic Arts Equipment

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## FACILITIES AND ACTIVITIES ASHORE 11000-11999

**11000-11099 GENERAL**

- 11000 General (Include Marine Corps SOP's)
- 11010 Shore Station Development
- 11011 Real Estate Property
- 11012 Shore Station Design Criteria
- 11013 Shore Station Construction
- 11014 Shore Station Maintenance
- 11015 Agriculture, Fish, and Wildlife
- 11016 Plant Property
- 11017 Grounds or Unpaved Areas (Land)
- 11018 Testing Areas and Facilities
- 11019 Shore Station Special Projects
- 11080 Atomic, Biological, and Chemical Defense
- 11090 Damage Control

**11100-11199 STRUCTURES AND FACILITIES**

- 11100 General
- 11101 Family Housing
- 11102 Training
- 11103 Housing, Other
- 11104 Community Facilities
- 11107 Resale Activities
- 11110 Medical and Dental
- 11111 Medical Center
- 11112 Hospital
- 11113 Medical Clinic
- 11114 Other Medical Facility, Activity
- 11115 Dental Center
- 11116 Dental Clinic
- 11117 Other Dental Facility/ Activity
- 11120 Communications
- 11130 Aviation
- 11131 Hangers
- 11132 Runways
- 11133 Lighting
- 11135 Crash, Salvage, Rescue
- 11137 Service and Repair
- 11140 Ordnance
- 11143 Guided Missile Assembly and Test
- 11150 Research and Development Facilities
- 11151 Harbor Defense
- 11152 Drill and Parade Grounds
- 11153 Mooring and Navigation

- 11154 Observatories
- 11160 Storage
- 11161 Storehouses
- 11162 Fuel Storage Facilities
- 11163 Magazines
- 11170 Cemeteries
- \*11180 Chapels

**11200-11299 TRANSPORTATION FACILITIES,  
HEAVY EQUIPMENT**

- 11200 General
- 11210 Highways and Roads
- 11220 Bridges, Trestles, Overpasses
- 11230 Railways and Rolling Stock
- 11240 Automotive
- 11250 Boat or Water Transportation
- 11260 Heavy Equipment
- 11261 Construction-Type
- 11262 Heavy Weight Lifting
- 11270 Engineer Supplies and Construction Equipment

**11300-11399 UTILITIES AND SERVICES**

- 11300 General
- 11310 Power
- 11320 Fire Protection and Fire Fighting
- 11330 Water Supply
- 11340 Drainage
- 11345 Sewers and Sewerage
- 11350 Refuse Collection and Disposal
- 11360 Lighting
- 11370 Heating
- 11380 Refrigeration and Air Conditioning
- A) 11390 Cable Television Franchise Management

**11400-11499 FLEET FACILITIES**

- 11400 General
- 11410 Waterfront
- 11420 Drydocks
- 11430 Marine Railways
- 11440 Shipways
- 11450 Weight Handling
- 11460 Dredging
- 11470 Pontoons
- A) 11480 Ship Building / Repair Shops

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## CIVILIAN PERSONNEL 12000-12999

(Note: The format used in this series follows that of the Federal Personnel Manual (FPM) issued by the Office of Personnel Management (OPM), and not necessarily that of the remainder of this directive. Therefore, additions and deletions are made based on FPM changes. It includes no indentions at the secondary or lower level numerical breakdowns, as does the rest of the manual, since in this case they would not necessarily represent homogenous subdivisions of subject matter titles.)

- 12000-12099 GENERAL
- \*12100-12199 OFFICE OF PERSONNEL MANAGEMENT
    - 12171 Office of Personnel Management Issuance System
  - 12200-12299 PERSONNEL PROVISIONS
    - \*12200 General
      - 12210 Basic Concepts and Definitions (General)
      - 12211 Veteran Preference
      - 12212 Competitive Service and Competitive Status
      - 12213 Excepted Service
      - 12230 Organizations of the Govt for Personnel Management
      - 12250 Personnel Management in Agencies
      - 12251 Intramanagement Communications and Consultations
      - 12252 Professional or Other Associations
      - 12270 Personnel Controls and Direction
      - 12271 Developing Policies, Procedures, Programs and Standards
      - 12272 Personnel Policy Formulation and Personnel Issuances
        - 12273 Inspections, Surveys, and Audits
        - 12274 Corrective Actions
      - \*12275 Evaluation and Assessment of Personnel Programs
      - 12290 Personnel Information (General)
        - 12291 Personnel Reports
        - 12292 Personnel Data Standardization
        - 12293 Personnel Records and Files
        - 12294 Availability of Official Information
        - 12295 Personnel Forms and Documents
        - 12296 Processing Personnel Action and Data
      - \*12297 Protection of privacy and personnel records
      - \*12298 Federal Workforce Information System
    - 12300-12399 EMPLOYMENT
      - 12300 Employment (General)
      - 12301 Overseas Employment
      - 12302 Employment in the Excepted Service
      - 12304 Employment of Experts and Consultants
      - 12305 Employment Under the Executive Assignment System
      - 12306 Selective Placement Programs
      - 12307 Transitional and Veterans Readjustment Appointments
      - \*12308 Youth and Student Employment Programs
      - 12309 Hosting Enrollees of Federal Grant Programs
      - 12310 Employment of Relatives
      - 12311 Power of Appointment and Removal
      - 12312 Position Management
      - 12315 Career and Career-Conditional Employment
      - \*12316 Temporary Employment
      - 12330 Recruitment, Selection, and Placement (General)
      - 12331 Organization for Recruitment and Examining
      - 12332 Recruitment and Selection through Competitive Examination
      - 12333 Recruitment and Selection for Temporary and Term Appointment Outside the Register
      - 12334 Temporary Assignment of Employees between Executive Agencies and States, Local Governments, and Institutions of Higher Education
      - 12335 Promotion and Internal Placement
      - 12337 Examining System
      - 12338 Qualification Requirements (General)
      - 12339 Qualification Requirements (Medical)
      - \*12340 Part-time Employment
      - 12351 Reduction in Force
      - 12352 Reemployment Rights
      - \*12353 Restoration to Duty
      - 12361 Career Intern Programs
      - \*12362 Presidential Management Intern Program
    - R) 12400-12499 EMPLOYEE PERFORMANCE AND UTILIZATION AND CIVILIAN CAREER MANAGEMENT PROGRAMS
      - 12400 General
        - 12410 Training
          - \*12411 Supervisory Training and Development
          - 12412 Executive Development
        - \*12430 Performance Appraisal
        - 12431 Withholding of Within-Grade Increases
        - \*12432 Reduction in grade and Removal Based on Unacceptable Performance
        - 12451 Incentive Awards
        - \*12470 Personnel Research Programs and Demonstration Projects
    - 12500-12599 POSITION CLASSIFICATION, PAY, AND ALLOWANCES
      - 12500 General
        - 12511 Classification under the General Schedule
        - \*12512 Job Evaluation under Federal Wage System
        - \*12515 Classification under the pay systems
          - 12530 Pay Rates and Systems (General)
          - \*12531 Pay under the General Schedule
          - \*12532 Federal Wage System
            - 12534 Pay under Other Systems
            - \*12536 Grade and Pay Retention
          - \*12540 Merit Pay and Cash Awards
          - 12550 Pay Administration (General)
        - A) 12553 Deductions from Civilian Pay for Increases in Uniformed Service Retired or Retainer Pay
        - 12551 Fair Labor Standards Act
        - \*12570 Travel and Transportation (General)
        - 12571 Travel and Transportation for Pre-Employment Interviews and Recruitment
        - 12591 Allowances and Differentials Payable in Non-Foreign Areas
          - 12592 Overseas Allowances and Post Differentials
          - 12593 Subsistence, Quarters, and Laundry
          - 12594 Allowances for Uniforms
          - \*12595 Physician's Comparability Allowance

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- 12600-12699 ATTENDANCE AND LEAVE
  - \*12600 General
  - 12610 Hours of Duty
  - \*12620 Alternative Work Schedule
  - 12630 Absence and Leave
  
- 12700-12799 PERSONNEL RELATIONS AND SERVICES (GENERAL)
  - \*12700 General
  - 12710 Personnel Relations (General)
  - \*12711 Labor Relations
  - \*12712 Employee Organizations and Activities
  - 12713 Equal Employment Opportunity
  - 12715 Voluntary Separations and Reductions in Grade or Pay
  - 12720 Affirmative Employment Program
  - \*12731 Suitability
  - 12732 Personnel Security Program
  - 12733 Political Activity of Federal Employees
  - \*12734 Holding State or Local Office
  - 12735 Employee Responsibilities and Conduct
  - 12736 Investigations
  - 12751 Discipline
  - 12752 Adverse Actions by Agencies
  - R) \*12754 Suitability Disqualification Actions
  - \*12771 Grievance System
  - \*12772 Appeals to the Merit Systems Protection Board
  
- 12790 Services to Employees (See also 5380)
  - \*12792 Federal Employees Occupational Health and Counseling Program
  
- 12800-12899 INSURANCE AND ANNUITIES
  - 12800 General
  - 12810 Injury Compensation
  - 12831 Retirement
  - 12832 Social Security Retirement, Survivors Insurance, Disability Insurance, and Medicare
  - 12850 Unemployment Benefits
  - 12870 Life Insurance
  - 12890 Federal Employees Health Benefits
  
- 12900-12999 GENERAL AND MISCELLANEOUS
  - 12900 General
  - 12910 Mobilization Readiness
  - \*12915 Military Service Obligation
  - \*12920 Senior Executive Service
  - 12930 Programs for Specific Positions or Examinations (Miscellaneous)
  - 12933 Qualification Requirements for Specific Positions
  - 12938 Classification and Pay of Specific Positions
  - R) 12950 Solicitation of Federal Civilian and Uniformed Services Personnel for Contributions to Private Volunteer Organizations
  - \*12971 Training, Promotion, and Executive development agreements with specific agencies
  - \*12981 Delegation of Personnel Authorities
  - \*12990 General and Miscellaneous

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## AERONAUTICAL AND ASTRONAUTICAL MATERIAL 13000-13999

## 13000-13099 GENERAL

13000 General  
 13010 Aircraft Characteristics  
 13011 Performance  
 13012 Flying qualities, stability, and control  
 13013 Aerodynamics and hydrodynamics  
 13014 Structural (loads)  
 13020 Aircraft Maintenance  
 13021 Organizational  
 13022 Intermediate  
 13023 Overhaul, Rework  
 13030 Airworthiness and Service Suitability  
 13031 Test and Evaluation  
 13032 Navy Preliminary Evaluation (NPE)  
 13033 Service Suitability Trials  
 13034 Aircraft Restrictions/ Limitations  
 13035 Aircraft/ Stores Compatibility  
 13040 Aircraft Survivability/ Vulnerability  
 13050 Configuration Control  
 13051 Engineering Change Proposals  
 13052 Changes and Bulletins  
 13053 Change Kits  
 13054 Fleet Proposals for Aircraft Modification  
 13060 Weight and Balance  
 13070 Reliability and Maintenance  
 13080 Exterior/ Interior Finish, Marking, and Lighting  
 13090 Logs and Records

## 13100-13199 AIRCRAFT (Complete)

13100 General (Use for more than one model of aircraft and for both aircraft and guided missiles. Use 8800 for complete guided missiles.)  
 13120 Fixed Wing  
 13121 Anti Submarine  
 13122 Attack  
 13123 Cargo/ Transport  
 13124 Fighter  
 13125 Special Electronics  
 13126 Patrol  
 13127 Trainer  
 13128 Utility  
 13130 Vertical Flight (Helicopters, V/ STOL)  
 13150 Research  
 13160 Aircraft Targets

## 13200-13299 AVIONICS

13200 General  
 13205 Automatic Carrier Landing System  
 13210 Electrical Power Distribution Components and Systems  
 13220 Airborne Navigation, Automatic Flight Control and Instrument Systems  
 13221 Navigational and Fuel Consumption Instruments and Computers  
 13222 Flight Instruments  
 13223 Automatic Pilot Mechanisms and Airborne Gyro Components (Use 10170 for training devices)  
 13224 Engine Instruments  
 13230 Communication and Identification (CNI) Systems

13240 Airborne Weapon (Fire Control) Systems and Airborne Missile Guidance Systems (Gun Sights)  
 13250 General Purpose Computers  
 13260 Antisubmarine Warfare (ASW) Systems  
 13270 Electronic Warfare (EW) Systems  
 \*13280 Electric Power Generator, Inverter, Converter and Battery Systems, and Components  
 13290 Airborne Radar

## 13300-13399 ASTRONAUTIC VEHICLES (Complete)

13300 General  
 13301 Satellites  
 13302 Space Shuttle

## 13400-13599 AIRFRAME SYSTEMS, COMPONENTS, AND ACCESSORIES

13400 General  
 13410 Structural (includes materials)  
 13411 Fuselage  
 13412 Wing, Tail, Control Surfaces, Flaps, etc.  
 13413 Windows, windshields, canopies  
 13414 Doors, Hatches, Removable Panels  
 13415 Nacelles, radomes  
 13416 Nuts, bolts, rivets, fasteners  
 13420 Landing Gear, Wheels, and Brakes  
 13421 Tires and Tubes  
 13430 Arresting and Launching, Aircraft Components for  
 13440 Hydraulic, Pneumatic, and Lubrication Systems  
 13441 Pumps and Motors  
 13442 Valves and Lines  
 13443 Actuators  
 13444 Fluidic devices  
 13445 Lubrication (excluding engine)  
 13446 Pitot-static System (excluding instruments)  
 13450 De-icing, Anti-icing, and Anti-fogging  
 13451 Airframe de-icing  
 13452 Windshield de-icing, defogging, and rain removal  
 13460 Environmental Control and Life Support  
 13461 Heating and Air Conditioning  
 13462 Oxygen  
 13463 Pressurization  
 13470 Fuel System (excluding engine)  
 13471 Fuel Tanks, Internal  
 13472 Fuel Tanks, External  
 13473 In-flight refueling  
 13480 Special Mission Systems  
 13481 Internal Cargo  
 13482 External Cargo (includes helicopter pickup and delivery systems)  
 13483 Air-dropped Cargo Systems  
 13484 Airborne Mine Countermeasures Systems  
 13485 Aerial Towing (Targets, gliders)  
 13490 Fire Detection and Protection  
 \*13500 Escape and Crew Systems (General)  
 13510 Escape Systems  
 13511 Ejection Seats  
 13512 Parachutes  
 13520 Crew Systems  
 13521 Crew Station Design and Human Factors  
 13522 Comfort (Galley, Bunks, Lavatories)

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- 13523 Emergency Equipment (Life Rafts, Mae Wests, Survival Kits)
- 13524 Personal Flying Equipment

13600-13699 AERONAUTICAL GROUND SUPPORT EQUIPMENT

- 13600 General
- 13610 Common Ground Support Equipment
- 13620 Peculiar Ground Support Equipment
- 13630 Automatic Test Equipment
- 13640 Calibration Ground Support Equipment
- 13650 Aircraft Maintenance Material Readiness List (AMMRL) Program
- 13660 Repair Parts (shortages)
- 13670 Mobile Facility Program
- 13680 Rework, Maintenance, and Checkout
- 13690 Avionics Support Equipment

13700-13799 ENGINES AND ENGINE SYSTEMS (INCLUDING COMPONENTS AND ACCESSORIES)

- 13700 General
- 13710 Reciprocating
- 13720 Turboshaft and Jet

- 13730 Rocket
- 13740 Nuclear
- 13750 Engine Diagnostics
- 13760 Engine Fuel Systems
- 13770 Engine Electrical Systems
- 13780 Engine Cooling Systems
- \*13790 Engine Systems Components

13800-13899 LAUNCHING AND LANDING EQUIPMENT

- 13800 General
- 13810 Arresting, Barrier, and Barricade Recovery Equipment
- 13820 Launching (Shipboard and Landbased)
- 13830 Visual Landing Aids
- A) 13840 Dynamic Interface Tests (DI Tests)
- A) 13850 Ship Helicopter Operating Limits (SHOL)

13900-13999 OTHER INSTRUMENTS AND LABORATORY EQUIPMENT

- \*13900 General
- 13950 Meteorological Instruments and Equipment
- 13980 Aircraft Alarm and Signal Systems (Include Oxygen, Pressure Signals and Warning Devices)
- 13990 Combination and Miscellaneous Instruments

## COAST GUARD MISSIONS<sup>2</sup> 16000-16999

(See also 3140 series for Geophysical and Hydrographic Support) (See also 3160 series for Astronomical and Chronometric Support) (See also 3300 and 3500 series for Warfare Techniques, Training and Readiness)

### 16000-16099 GENERAL

- 16000 Policy and Plans
- 16001 Transportation Policy
- 16002 Transportation Plans
- 16003 Ocean Policy
- 16004 Water Resources Policy
- 16010 Objectives and Goals
- 16011 Coast Guard Objectives
- 16012 Output Measures
- 16013 Milestones
- 16014 Long Range View
- 16015 Mid-Range Outlooks

### 16100-16149 SEARCH AND RESCUE (See also 3130 for U.S. Navy Search and Rescue)

- 16100 General
- 16101 Policies
- 16102 Systems
- 16103 Organization
- 16104 Plans
- 16105 Agreements
- 16106 Records and Reports
- 16107 Analyses
- 16110 Facilities
- 16111 Rescue Coordination Centers
- 16112 Aircraft
- 16113 Ships
- 16114 Boats
- 16115 Special Watercraft
- 16116 Submersibles
- 16117 Land Forces
- 16120 Communications
- 16121 Communications Systems
- 16122 Automated Mutual Assistance Vessel Rescue System (AMVER)
- 16123 Distress Alerting and Locating Systems
- 16124 Emergency Signals
- 16125 Messages and Procedures
- \*16127 2-3 MHz Radiotelephone Communication Program
- 16130 Operations
- 16131 Search Planning
- 16132 Search Patterns
- 16133 Search Execution
- 16134 Rescue Procedures
- 16135 Emergency Care

### 16150-16199 ICE OPERATIONS

- 16150 General
- 16151 Policies
- 16152 Systems
- 16153 Plans
- 16154 Agreements
- 16155 Records and Reports
- 16160 Facilities
- 16161 Polar Icebreakers
- 16162 Domestic Icebreakers

- 16163 Special Icebreaking Vehicles
- 16164 Icebreaking Equipment
- 16170 Operations
- 16171 General Icebreaking Techniques
- 16172 Polar Icebreaking
- 16173 Harbor Icebreaking
- 16174 River Icebreaking

### 16200-16499 ENFORCEMENT OF LAWS AND TREATIES

- 16200 General
- 16201 Policies
- 16202 Enforcement Agency Agreement
- 16203 Records and Reports
- 16210 Laws and Treaties
- 16211 Territorial
- 16212 Economic Zone
- 16213 Continental Shelf
- 16214 Fisheries and Living Resources
- 16215 Customs
- 16216 Narcotics and Dangerous Drugs
- 16217 Immigration
- 16230 Facilities
- 16231 Aircraft
- 16232 Ships
- 16233 Boats
- 16234 Special Watercraft
- 16235 Detection Systems and Equipment
- 16240 Operations
- 16241 Surveillance and Detection
- 16242 Rules of Engagement
- 16243 Use of Force
- 16244 Seizure and Arrest
- 16245 Custody
- 16246 Prosecution
- \*16247 Maritime Law Enforcement Boarding

### 16450-16499 MARINE ENVIRONMENTAL PROTECTION

- 16450 General
- 16451 Policies and Procedures
- 16452 Environmental Coordination
- 16455 Pollution Prevention
- 16460 Pollution Law Enforcement
- \*16461 OSC Reports
- \*16462 SKIM
- 16465 Pollution Response
- \*16466 Extreme Weather
- 16470 Surveillance and Monitoring
- \*16471 Contingency Planning
- \*16472 National Contingency Plan/ NRT Activities
- \*16473 Regional Plans
- \*16474 Local Plans
- 16475 Environmental Impact Assessments

<sup>2</sup> Not to be used by Navy or Marine Corps Activities

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- \*16478 Hazardous Waste Management System
- \*16480 Hazardous Chemical and Oil Response
- \*16481 Identification/ Detection
- \*16482 Storage/ Disposal
- \*16483 Special Removal/ Chemical Additives
- \*16490 CHRIS/ HACS

16500-16549 SHORT RANGE AIDS TO NAVIGATION

- 16500 General
- 16501 Policies and Procedures
- 16502 Marine Information
- 16503 Reports and Records
- 16504 External Relations
- 16510 Audio-visual Aids to Navigation
- 16511 Federal Buoys
- 16512 Federal Unmanned Beacons
- 16513 Light Stations
- 16514 Federal Unmanned Lights
- 16515 Federal Fog Signals and Fog Signal Stations
- 16516 Federal RACONS
- 16517 State and Municipal Aids to Navigation
- 16518 Private Aids to Navigation
- A) 16519 Aids to Navigation Positioning Management
- 16530 Aids to Navigation Service and Support Units
- 16531 Bases
- 16532 Depots
- 16533 Aids to Navigation Teams
- 16534 Boats
- 16535 Buoy Tenders

16550-16589 LONG RANGE AIDS TO NAVIGATION

- 16550 General
- 16551 Radio Aids to Navigation Plans
- 16552 User Comments
- 16553 Societies, Panels and other Groups
- 16554 Joint Chiefs of Staff/ Department of Defense
- 16555 District/ Activity/ Section
- 16560 Loran/ Omega
- 16561 Loran-A System
- 16562 Loran-C System
- 16563 Loran-D System
- 16564 Loran Stations
- 16565 Loran Equipment
- 16566 Omega System
- 16567 Omega Stations
- 16568 Projects
- 16570 Radiobeacons, Satellites, and other Radio Aids to Navigation
- 16571 Microwave Aids
- 16572 Radiobeacons
- 16573 Private Radio Aids
- 16574 Decca
- 16575 Satellites
- 16576 Others

16590-16599 BRIDGE ADMINISTRATION

- 16590 General
- 16591 Bridge Permits
- 16592 Obstructive Bridges
- 16593 Drawbridge Regulations

16600-16699 PORT SAFETY AND SECURITY

- 16600 General
- 16601 Policies and Procedures
- 16602 Threats and Sabotage
- 16603 Surveillance of Federal Property
- 16604 Security Zones
- 16606 Emergency Entry

- 16610 Waterfront Operations
- 16611 Shoreside Facilities
- \*16612 Anchorage and Fleeting Areas
- 16613 Off-Shore Facilities
- 16614 Vessel Security
- 16615 Cargo Security
- 16616 Dangerous Cargo
- 16617 Personnel Screening
- 16618 Special Programs
- 16630 Vessel Traffic Management
- 16631 Vessel Traffic Services Projects
- 16632 Vessel Traffic Service Regulations
- 16633 Vessel Traffic Service Surveillance Techniques
- 16634 Vessel Traffic Service Effectiveness
- 16635 Vessel Traffic Service Data Collection and Analysis
- 16636 Speed Control
- 16637 Pilotage
- 16650 Ship's Routing
- 16651 Traffic Separation Schemes
- 16652 Shipping Safety Fairways
- 16653 Deep Water Routes
- 16654 Shipping Tracks
- 16670 Navigation Safety
- 16671 Regulations
- 16672 Rules of the Road
- 16673 Lines of Demarcation
- 16674 Bridge-to-Bridge Radiotelephone
- 16675 International Conferences
- 16676 Advisory Committees

16700-16749 COMMERCIAL VESSEL SAFETY

- 16700 General
- 16701 Legislation
- 16702 Treaties
- 16703 Regulations
- 16704 Marine Safety Council
- 16705 Industry Relations
- 16706 Liaison
- 16707 Conferences
- 16710 Commercial Vessels
- 16711 Inspection
- 16712 Manning
- 16713 Documentation
- 16714 Equipment and Material Approval
- 16715 Plan Approval
- 16716 Load Lines
- 16717 Admeasurement
- 16720 Commercial Vessel Personnel
- 16721 Licensing and Certifying
- 16722 Revocation or Suspension
- 16723 Shipment and Discharge
- 16724 Security Screening
- 16730 Violations and Casualties
- 16731 Violations
- 16732 Marine Casualties

16750-16799 RECREATIONAL BOATING SAFETY

- 16750 General
- 16751 Policies and Procedures
- 16752 Regulations
- 16753 Liaison
- 16754 Statistics
- \*16755 Financial Assistance Program
- 16760 Recreational Boats
- 16761 Boating Standards
- 16762 Defect Notifications

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7520 Audit Guide Programs  
 7564 Audit Liaison  
 7570 Audit Procedures, Contract  
 7520 Audit Procedures, Internal  
 7511 Audit Schedules  
 7566 Audit Services for Other Than DOD  
 7500 Auditing, General  
 7510 Auditing, Internal  
 7502 Audits Conducted by the Defense Audit Service  
 5272 Automated Office Systems  
 2284 Automated Processing Support  
 9202 Automated Ship Control Systems  
 2020 Automated Systems (General)  
 13205 Automatic Carrier Landing System (Avionics)  
 5230 Automatic Data Processing and Information Systems  
 13223 Automatic Pilot Mechanisms and Airborne Gyro Components (Use 10170 for training)  
 2516 Automatic Processing System for Messages  
 13630 Automatic Test Equipment (Aeronautical Ground Support)  
 11240 Automotive Facilities  
 9517 Auxiliary Boilers  
 4623 Auxiliary Force Ships  
 9502 Auxiliary Machinery  
 9237 Auxiliary Propulsion Devices  
 9500 Auxiliary Systems, General  
 12294 Availability of Official Information  
 1532 Aviation Cadet (AvCad)  
 3770 Aviation, Civil  
 6410 Aviation Medicine  
 8600 Aviation Ordnance, General  
 5451 Aviation Shore Establishment  
 11130 Aviation Structures and Facilities  
 9542 Aviation and General Purpose Fuels  
 13200 Avionics (General)  
 13690 Avionics Support Equipment  
 12450 Awards (Civilian) (see also 12540)  
 1650 Awards (Military)  
 5061 Awards (Public Service)  
 3590 Awards and Competitions (Training and Readiness)  
 5305 Awards, Incentive (Military/Civilian)

**B**

2804 BESEP (Basic Electronics System Engineering Plan)  
 9191 Ballast and Buoyancy Units  
 9164 Ballistic Plating  
 8276 Ballistics (Gun and Missile Fire Control)  
 8226 Ballistics (Gun Fire Control)  
 5381 Banking Facilities and Credit Unions  
 12210 Basic Concepts and Definitions (General) (Civilian)  
 2804 Basic Electronics System Engineering Plan (BESEP)  
 8225 Battery Alignment (Gun Fire Control)  
 13280 Battery Systems  
 10400 Bearings (Miscellaneous Material)  
 6321 Beds (Hospitalization)  
 1770 Benefits, Casualties and Survivors  
 1780 Benefits, Educational  
 4611 Bills of Lading  
 4813 Bills of Material  
 3442 Biological (Disaster Control)  
 3402 Biological (Warfare)  
 8072 Biological Warfare Material  
 6530 Blood and Derivatives  
 3172 Boarding of Ships (Audiovisual Activities)  
 5420 Boards, Committees, Councils, and Groups

9583 Boat Handling and Stowage Systems  
 11250 Boat or Water Transportation  
 8382 Bomb Racks  
 3572 Bombing (Ordnance and Gunnery)  
 8150 Bombs  
 11220 Bridges, Trestles, Overpasses  
 7577 Briefs, Appeal and Review  
 2080 Broadcast Systems (see also 2090)  
 7130 Budget Execution  
 7120 Budget Review  
 7110 Budget/Estimates Preparation  
 7100 Budgeting (General)  
 5777 Budgets (AFRTS)  
 10370 Building Materials  
 4231 Buy American Act

**C**

2342 CADS  
 2791 CAMS (Communications Area Master Station)  
 2515 CLASSIC WIZARD Communications Systems  
 2200 COMSEC  
 3267 COMSEC Advice and Assistance Program  
 3268 COMSEC Briefings and Films Program  
 2206 COMSEC Equipment Installation and Configuration Control  
 2280 COMSEC Material System  
 2224 COMSEC Signal Analysis  
 3264 COMSEC Telephone Monitoring  
 2223 COMSEC Traffic Analysis  
 A) 11390 Cable Television Franchise Management  
 13640 Calibration Ground Support Equipment (Aeronautical)  
 4734 Calibration Program, Navy  
 2225 Call Sign and Frequency (see also 2344)  
 5607 Camera Output to Microform  
 10710 Camera Timing/Synchronization Systems  
 10700 Cameras  
 3420 Camouflage (Warfare Techniques)  
 5585 Canines (Law Enforcement)  
 8084 Cannon Tubes and Assemblies  
 7670 Capital Fund Regulations  
 3460 Captured Personnel, Material, and Documents  
 12361 Career Intern Programs  
 12400 Career Management Planning and Administration  
 5357 Career Motivation (Civilian and Military)  
 1040 Career Planning (Military)  
 12315 Career and Career-Conditional Employment (Civilian)  
 8411 Cargo Carriers  
 9770 Cargo Munitions, Stowage and Handling (See also 8021, 8022, 8023, and 10490)  
 8022 Cargo Ship Loading  
 13123 Cargo, Transport Aircraft (Fixed Wing)  
 7620 Cash Allocations (Industrial Fund Financing)  
 12540 Cash Awards  
 9074 Casting, Welding, Riveting, and Allied Processes  
 3040 Casualties and Casualty Reporting (See also 1770)  
 8025 Casualties and Malfunctions (Ammunitions Safety)  
 1770 Casualties and Survivors' Benefits (Military)  
 4410 Cataloging, Material Identification, and Classification  
 9633 Cathodic Protection  
 11170 Cemeteries  
 5514 Censorship (Security)  
 5060 Ceremonies and Honors  
 5062 Ceremonies and Procedures, Christening  
 1732 Ceremonies, Religious  
 13053 Change Kits (Aeronautical Configuration Control)  
 13052 Changes and Bulletins (Aeronautical Configuration Control)

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1440	Changes in Rank, Rate, or Rating	2063	Command Switch System (CSS)
2225	Changing Call Sign and Frequency	5812	Commanding Officer's Nonjudicial Punishment
1737	Chapel Related Organizations	5540	Commerce and Travel (Security)
11180	Chapels (Facilities)	4632	Commercial Air Carriers
1730	Chaplains and Religious Affairs	4890	Commercial Commodity Acquisition
8142	Charged Particle Beam	7544	Commercial or Industrial Type Activities (Audits)
7610	Charters (Industrial Fund Financing)	2092	Commercial Refile/Class "E" Messages
3443	Chemical (Disaster Control)	4860	Commercial/Industrial (C/I) Activities Program
3403	Chemical Warfare	9651	Commissary Spaces
8073	Chemical Warfare Material	4065	Commissary Stores
10330	Chemicals and Gases (Except Warfare)	5420	Committees
1754	Child Support Services	13610	Common Ground Support Equipment (Aeronautical)
1735	Christian Theology and Comparative Religions	6220	Communicable Diseases
5062	Christening Ceremonies and Procedures	2321	Communication Alternate Routing (ALTRROUTE)
3160	Chronometry	13230	Communication and Identification (CNI) Systems (Aeronautical)
2007	Circuit MAYFLOWER		
2710	Circuitry and Networks	2830	Communication Consolidation
9256	Circulating and Cooling Water System	2000	Communications
5850	Citations	3523	Communications (Electronics)
5080	Civil Affairs, Military Government	11120	Communications (Structures and Facilities)
3770	Civil Aviation	2700	Communications Afloat
5822	Civil Courts	2791	Communications Area Master Station (CAMS)
3005	Civil Defense	2314	Communications Evaluation
1760	Civil Readjustment and Veterans Affairs	2325	Communications Guard Shift
7410	Civilian Labor Accounting	2805	Communications Long and Mid-Range Planning
7230	Civilian Pay	2300	Communications Methods and Procedures
7420	Civilian Payroll Accounting	2800	Communications Plans, Programs, and Requirements
12000	Civilian Personnel, General	2318	Communications Problems and Investigations
4381	Claimant Goals and Performance	2200	Communications Security (COMSEC)
5890	Claims (Other than contract claims)	11104	Community Facilities
7576	Claims, Escalation	1754	Community Life Program
7575	Claims, Termination	5726	Community Relations
2008	Clarinet Merlin	9645	Community Spaces (Ships)
2092	Class "E" Messages	12595	Comparability Allowance
12500	Classification (Civilian)	9511	Compartment Heating System
1221	Classification (Enlisted)	9192	Compartment Testing
1211	Classification (Officer)	3590	Competitions and Awards (Training and Readiness)
1200	Classification and Designation (General)	12212	Competitive Service and Competitive Status
12938	Classification and Pay of Specific Positions	5116	Complaints (Mail and Postal Affairs)
12515	Classification under other pay systems	9551	Compressed Air Systems
12511	Classification under the General Schedule	2212	Compromise (Cryptographic Equipment)
5511	Classified Material Control	10770	Computer Based Graphic Devices
4031	Cleaning (Packaging)	1554	Computer Managed Instruction (Military Training)
10480	Cleaning Equipment	5606	Computer Output to Microform (COM)
5529	Clearance Adjudications	13221	Computer (Airborne Navigational and Fuel Consumption)
5521	Clearances, Personnel		
10120	Clothing and Uniforms	8264	Computers (Guided Missile Fire Control)
5850	Codifications and Citations	8274	Computers (Gun and Missile Fire Control)
3470	Cold Weather (Warfare)	8224	Computers and Rangekeepers (Gun Fire Control)
3221	Collection (SIGINT Operations)	5401	Concepts and Principles, Organizational
12711	Collective Bargaining	10320	Concrete
9010	Combat Capabilities	9254	Condensers and Air Ejectors
3560	Combat Information Center	13050	Configuration Control (Aircraft)
9093	Combat Systems Checkout	4130	Configuration Management (Logistics)
8400	Combat Vehicles (General)	1640	Confinement (Military)
3480	Combat and Action Reports	5863	Congressional Investigations
13990	Combination and Miscellaneous Instruments (Aeronautical)	5730	Congressional and Legislative Liaison
9251	Combustion Air System	4100	Conservation and Utilization of Material and Resources
13522	Comfort (Galleys, Bunks, Lavatories) (Airframe Systems)	4613	Consignment Instructions
9410	Command and Control Systems	7045	Construction, Military (Appropriations)
3090	Command, Control, and Communications (C <sup>3</sup> )	9990	Construction Support
9400	Command and Surveillance (Shipboard Installations) (General)	4760	Construction and Conversion
5757	Command Histories	11261	Construction-Type Equipment
2045	Command Post	4680	Containerization, General
		2014	Contingency Communications
		7542	Continuous Internal Audit Reports



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5410	Department of Defense and Interservice	4387	EEO Program Non-awardable Contractors
5460	Department of the Navy (Organization)	7900	EEO Resources Management
1750	Dependents' Aid	2046	ELF
1751	Dependents' Allowances	3251	ELINT Collection Systems
1755	Dependents' Schooling	3250	ELINT Operations
8950	Deperming and Degaussing (Ordnance Material)	3253	ELINT Systems Data Base
9463	Deployable Surveillance Systems	3252	ELINT Systems Processing and Reporting
8535	Depth Bombs	3254	ELINT Technical Support
8392	Depth Charge Release Tracks	1524	Education, Graduate
8530	Depth Charges	1737	Education, Religious (A)
9740	Depth Charges, Stowage and Handling (See also 8021, 8022, 8023, and 10490)	1780	Educational Assistance Test Program (EATP)
9830	Design Support	1780	Educational Benefits
1212	Designator Codes	1156	Educator Liaison
2340	Designators, Address	5217	Effective Writing (include drafting and review)
12271	Developing Policies, Procedures, Programs, and Standards	13511	Ejection Seats (Airframe Systems)
3970	Development Test and Evaluation (DT&E)—General	9304	Electric Cables
5272	Dictation Equipment Management	10390	Electric Distribution Equipment
3421	Dimout and Blackout (Warfare Camouflage)	10200	Electric Motors and Generators
5352	Diplomacy, Overseas	9300	Electric Plant, General
8140	Directed Energy Weapons (see also 8240)	9310	Electric Power Generation
5215	Directives	13280	Electric Power Generator, Inverter, Converter and Battery Systems and Components
8263	Directors (Guided Missile Fire Control)	9235	Electric Propulsion
8273	Directors (Gun and Missile Fire Control)	9305	Electrical Designating and Marking
8223	Directors (Gun Fire Control)	9422	Electrical Navigation Aids (Lights)
1850	Disability Retirement (Military)	9426	Electrical Navigation Systems
3006	Disaster Control (Natural)	13210	Electrical Power Distribution Components and Systems (Aeronautical)
3440	Disaster Control (Warfare)	10380	Electrical and Electronic Components
7200	Disbursing	2450	Electromagnetic Compatibility
7543	Disbursing (Internal Audit Reports)	9407	Electromagnetic Interference Reduction
7250	Disbursing Records, Reports, and Returns	2400	Electromagnetic Spectrum Management
12751	Discipline (Civilian)	8144	Electron Laser
1620	Discipline (Military)	3823	Electronic (Intelligence Collection)
6222	Disease, Venereal	3874	Electronic (Intelligence Training)
6220	Diseases, Communicable	3613	Electronic Counter/Countermeasures (ECCM)
6310	Diseases and Injuries	3612	Electronic Countermeasures (ECM)
4500	Disposal of Property (General)	3250	Electronic Intelligence (ELINT) Operations
5212	Disposal, Records	5270	Electronic Mail Management
8026	Disposition of Ammunition	9423	Electronic Navigation Systems (See also 9424)
7210	Disposition of Funds	3611	Electronic Surveillance Measures (ESM) (Electronic Warfare)
4360	Disputes/Strikes	9491	Electronic Test, Checkout, and Monitoring Equipment
4290	Dissemination of Contract Information	3430	Electronic Warfare (Countermeasures)
5605	Distribution (Micro Pubs, Printing, Duplicating and Reproduction)	3610	Electronic Warfare (Training and Readiness)
4470	Distribution (Supply and Material)	13270	Electronic Warfare (EW) Systems (Aeronautical)
2282	Distribution and Allowance (COMSEC)	3240	Electronic Warfare Support (Cryptology)
8012	Distribution and Issue (Ammunition and Explosives)	3520	Electronics (Other than navigational aids)
10560	Diving Equipment	3043	Electronics Casualties (See also 3044, 3045, and 3046)
5585	Dogs, Military Working	10550	Electronics (See also 9420 series, 3320 and 13290)
1752	Domestic Relations (Family Advocacy)	3357	Electronics: Optic Sensor (Submarine Warfare Techniques)
4520	Donations and Transfers	10554	Electrostatic Discharge (ESD)
13414	Doors, Hatches, Removable Panels (Airframe Systems)	9585	Elevating and Retracting Gear
9603	Draft Marks	3301	Emergency Action (Include procedures, messages, drills, exercises) (Warfare Techniques)
11340	Drainage Services	2041	Emergency Communications Network
11460	Dredging	13523	Emergency Equipment (Life Rafts, Mae Wests, Survival Kits) (Airframe Systems)
11152	Drill and Parade Grounds	2042	Emergency Message Automatic Teletype System
8840	Drones (AQM, MQM, BQM, MGM, and MQR)	3730	Emergency Procedures (Flight/ Air Space)
5355	Drug Abuse Control (Military and Civilian)	9239	Emergency Propulsion (Submarines)
6710	Drugs, Chemicals, and Biologicals	2240	Emission Security
9997	Drydocking	12792	Employee Assistance
11420	Drydocks	12712	Employee Organizations and Activities
5272	Duplicating Equipment Management		
1601	Duties and Watches		
A) 13840	Dynamic Interface Tests (DI Tests)		

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- 12400 Employee Performance and Utilization, General  
 12735 Employee Responsibilities and Conduct  
 12300 Employment (General)  
 12302 Employment in the Excepted Service  
 12304 Employment of Experts and Consultants  
 12310 Employment of Relatives  
 3127 Employment of the Naval Reserve  
 12720 Employment Program  
 12316 Employment, Temporary  
 12305 Employment Under the Executive Assignment System  
 4101 Energy Conservation  
 9210 Energy Generating System (See also 9220)  
 8141 Energy Laser, High  
 8140 Energy Weapons, Directed (see also 8240)  
 13780 Engine Cooling Systems (Aircraft)  
 13750 Engine Diagnostics (Aircraft)  
 13770 Engine Electrical Systems (Aircraft)  
 13760 Engine Fuel Systems (Aircraft)  
 13224 Engine Instruments (Aircraft)  
 13790 Engine Systems Components (Aircraft)  
 11270 Engineer Supplies and Construction Equipment  
 3540 Engineering (Training and Readiness)  
 13051 Engineering Change Proposals (Aeronautical Configuration Control)  
 9085 Engineering Drawings  
 5775 Engineering and Equipment (AFRTS)  
 A) 9291 Engineering Operational Sequencing System  
 10200 Engines (Except ships and aircraft) (see 4870)  
 13700 Engines and Engine Systems (General) (Aircraft)  
 1306 Enlisted (Assignment and Distribution)  
 1220 Enlisted (Classification)  
 1856 Enlisted (Disability Retirement)  
 1626 Enlisted (Discipline)  
 1326 Enlisted (Orders to Personnel)  
 1616 Enlisted (Performance and Conduct)  
 1336 Enlisted (Personnel Request)  
 1812 Enlisted (Regular Nondisability Retirement)  
 1916 Enlisted (Release From Active Duty, Reserve)  
 1820 Enlisted (Reserve Nondisability Retirement)  
 1910 Enlisted (Separation)  
 1236 Enlisted (Testing and Interviewing)  
 1221 Enlisted Classification Codes and Billet Descriptions  
 9640 Enlisted Dining  
 1418 Enlisted Examinations  
 1414 Enlisted Qualifications (Promotion and Advancement)  
 1223 Enlisted Rating and Rank Structure  
 1134 Enlisted Recall  
 1133 Enlisted Recruiting  
 1510 Enlisted Training  
 9510 Environmental Control (See also 5090 and 6200)  
 13460 Environmental Control and Life Support (Aeronautical)  
 9593 Environmental Pollution Control Systems (Sewage Treatment and Disposal, Trash Disposal, and Incineration)  
 5090 Environmental Protection  
 6280 Environmental Quality and Pollution Control  
 12713 Equal Employment Opportunity  
 7900 Equal Employment Opportunity Resources Management  
 5354 Equal Opportunity (Military and Civilian)  
 10700 Equipment (Audiovisual)  
 5117 Equipment (Mail and Postal Affairs)  
 5608 Equipment (Micrographics)  
 2206 Equipment Installation and Configuration Control (COMSEC)  
 5296 Equipment Management  
 4731 Equipment Oil Analysis  
 6700 Equipment and Supplies, General (Medical)  
 1543 Equipment and Systems Training (Military)  
 4015 Equipping and Allowance Documents (MarCorps, only)  
 4423 Equipping, Provisioning and Allowances  
 7576 Escalation Claims  
 13510 Escape Systems (Airframe Systems)  
 3811 Estimates and Studies (Intelligence)  
 3223 Evaluation (SIGINT Operations)  
 12275 Evaluation and Assessment of Personnel Programs  
 5232 Evaluation and Review (Data Processing)  
 13032 Evaluation, Navy Preliminary  
 12430 Evaluations, Performance  
 3305 Evasion and Escape (Warfare Techniques)  
 5758 Events, Historical  
 1418 Examinations (Enlisted)  
 1416 Examinations (Officer)  
 6120 Examinations, Physical  
 12337 Examining System  
 12213 Excepted Service  
 2243 Exceptions to National Emission Security Policy  
 10140 Exchange Items  
 4540 Exchange or Sale of Nonexcess Personal Property  
 4066 Exchanges  
 7130 Execution, Budget  
 5740 Executive Agencies, Relations With  
 12305 Executive Assignment System  
 12412 Executive Development  
 2720 Exercises (Afloat Communications)  
 3518 Exercise Data Collection  
 3519 Exercise Reconstruction  
 7102 Exhibits and Format (Budgeting)  
 4880 Expansion of Private Industry  
 5585 Explosive Detector Dogs  
 8027 Explosive Ordnance Disposal (See also 3571)  
 1160 Extensions and Reenlistments  
 8010 Explosives, General  
 9440 Exterior Communications  
 13080 Exterior/Interior Finish, Marking, and Lighting (Aeronautical)  
 13482 External Cargo (includes helicopter pickup and delivery systems)  
 5720 External Public Affairs (including Freedom of Information)  
 5700 External and Internal Relations (General)  
 2046 Extra Low Frequency (ELF)
- F
- 2094 FOTACS  
 9087 Facilities (Integrated Logistics Support Requirements)  
 5532 Facilities (Personnel Security)  
 11000 Facilities and Activities Ashore, General  
 5293 Facilities Management (Audiovisual)  
 5272 Facsimile Equipment Management  
 12551 Fair Labor Standards Act  
 1752 Family Advocacy Program  
 11101 Family Housing  
 1754 Family Service Centers  
 1754 Family Support Programs  
 12890 Federal Employees Health Benefits  
 12792 Federal Employees Occupational Health and Counseling Program  
 12309 Federal Grant Programs  
 4221 Federal Supply Schedule Contracts



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11143 Guided Missile Assembly and Test  
 8260 Guided Missile Fire Control  
 3390 Guided Missile Installation Defense  
 8394 Guided Missile Launchers  
 8800 Guided Missile and Rocket Weapons (General)  
 8039 Guided Projectiles  
 8037 Gun Ammunition (Aircraft)  
 8030 Gun Ammunition (Ordnance)  
 8220 Gun Fire Control  
 8291 Gun Fire Control (Switchboards)  
 8227 Gun Sights  
 13240 Gun Sights, Airborne  
 8421 Gun Tank (90mm and smaller)  
 8422 Gun Tank (Larger than 90mm)  
 8270 Gun and Missile Fire Control  
 8381 Guns (Airborne)  
 9710 Guns and Ammunition, Stowage and Handling (See also 8021, 8023, and 10490)  
 8300 Guns and Mounts (General)

## H

2797 HICOM  
 9596 Handling System for Divers and Submersible Vehicles  
 8023 Handling and Transportation (Ammunition)  
 11131 Hangars  
 3380 Harbor Defense (Warfare Techniques)  
 11151 Harbor Defense (Research and Development Facilities)  
 8560 Harbor Defense Equipment (include nets, booms, controlled mines, and associated acoustic systems)  
 10400 Hardware (Miscellaneous Material)  
 3081 Hardware, Fleet, Air  
 3083 Hardware, Fleet, Subsurface  
 3082 Hardware, Fleet, Surface  
 3084 Hardware, Shore  
 12890 Health Benefits, Federal Employees  
 6150 Health and Medical Records  
 7121 Hearings (Budget Review)  
 11370 Heating  
 13461 Heating and Air Conditioning (Airframe Systems)  
 11260 Heavy Equipment  
 11262 Heavy Weight Lifting Equipment  
 3314 Helicopter (Aerial Warfare Techniques)  
 10330 Helium  
 8141 High Energy Lasers  
 3270 High Frequency Direction Finding (HFDF) Operations  
 8143 High Power Microwave  
 9258 High Pressure Steam Drain System  
 10720 High Resolution, Intelligence Cameras  
 10710 High Speed/ Instrumentation Cameras  
 11210 Highways and Roads  
 5758 Historical Places and Events  
 5750 Historical Matters  
 5756 Historical Matters, Aircraft  
 12734 Holding State or Local Office  
 3111 Home Ports and Yards and Permanent Duty Stations  
 5724 Hometown News (Administration Assignment)  
 5060 Honors and Ceremonies  
 10400 Hose, Gaskets, Packing  
 6770 Hospital (Equipment and Supplies)  
 11112 Hospital (Structures and Facilities)  
 6320 Hospitalization  
 12309 Hosting Enrollees of Federal Grant Programs

7050 Host-Tenant Relationships (Intra-Navy)  
 7051 Host-Tenant Relationships (Inter-Service/ Agency)  
 12610 Hours of Duty  
 5330 Hours of Work, Daily Routine  
 4050 Household Goods and Personal Property  
 11103 Housing, Other (Structures)  
 8414 Howitzer Carriages  
 9620 Hull Compartmentation  
 9636 Hull Damping  
 9130 Hull Decks  
 9602 Hull Designating and Marking  
 9635 Hull Insulation  
 9140 Hull Platforms and Flats  
 9120 Hull Structural Bulkheads  
 9167 Hull Structural Closures  
 9100 Hull Structure, General  
 3041 Hull, Mechanical, and Electrical Casualties  
 3821 Human (Intelligence Collection)  
 3831 Human (Intelligence Dissemination)  
 5350 Human Goals  
 9556 Hydraulic Fluid Systems  
 13440 Hydraulic, Pneumatic, and Lubrication Systems (Airframe Systems)  
 3140 Hydrographic Support  
 6240 Hygiene and Sanitation

## I

4680 ISO Standard Containers  
 5512 Identification (Credentials, tags, passes, and permits)  
 8052 Igniters (Pyrotechnics)  
 4201 Imprest Funds (Cashier Appointment Letters)  
 2042 Improved Emergency Message Automatic Telephone System (IEMATS)  
 5224 Improvement Programs, Management  
 13473 In-flight refueling (Airframe Systems)  
 4390 In-Lease Administration  
 1570 Inactive Duty Training  
 12451 Incentive Awards (Civilian)  
 5305 Incentive Awards (Military, Civilian)  
 9097 Inclining Experiment and Trim Drive  
 7640 Income and Expense  
 3841 Indications and Warnings  
 7331 Industrial Accounting Reports and Returns  
 7600 Industrial Fund Financing (General)  
 4800 Industrial Manpower  
 5240 Industrial Methods  
 A) 5104 Industrial Radiological Safety and Controls  
 4800 Industrial Readiness  
 5531 Industrial Security  
 7544 Industrial Type Activities (Audits)  
 4862 Industrial and Industrial Reserve Facilities  
 7112 Industrial Management Funds  
 9427 Inertial Navigation Systems  
 3166 Information Dissemination (Astronomical)  
 3165 Information Products (Astronomical)  
 5271 Information Resources Management (see also 5298)  
 5510 Information Security  
 5230 Information Systems (Data Processing)  
 1720 Informational Services (Military)  
 3981 Initial Operational Test and Evaluation (IOT&E)  
 6310 Injuries  
 12810 Injury Compensation  
 6250 Insect, Pest, and Rodent Control  
 2232 Insecurities  
 3967 In Service Weapon System Evaluation  
 4355 Inspection and Acceptance







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- 2201 Policy and Doctrine (Communications Security) (See also 2280)
- 12733 Political Activity of Federal Employees
- 6280 Pollution Control
- 11470 Pontoons
- 3170 Port Operations (Audiovisual Activities)
- 12500 Position Classification, Pay and Allowances, General
- 12312 Position Management
- 1780 Post-Vietnam Era Veterans Education Assistance
- 5110 Postal Affairs
- 5119 Postal Operations
- 9320 Power Distribution Systems
- 9340 Power Generation Support Systems (Lube Oil and Diesel Support)
- 13280 Power Generator
- 12311 Power of Appointment and Removal (See also 4305)
- 11310 Power Utilities and Services
- 7581 Preaward Survey
- 5299 Precious Metals Recovery
- 7594 Premium Pay
- 4627 Positioning Ships (TAKX)
- 9630 Preservatives and Coverings
- 2011 Presidential Communications
- 12362 Presidential Management Intern Program
- 13463 Pressurization (Environmental and Life Support)
- 5811 Pretrial Matters
- 5101 Prevention, Accident
- 6200 Preventive Medicine (General) (See also 5100)
- 4266 Price Controls, Government
- 7574 Pricing Surveys
- 2792 Primary Support Station (Afloat Communications)
- 5600 Printing, Micrographics
- 4830 Priorities and Allocation
- 4614 Priority Indicators and Deadline Delivery Dates
- 3461 Prisoners of War
- 5211 Privacy Act
- 2318 Problems and Investigations, Communications
- 7520 Procedures (Audit)
- 7720 Procedures (Progress and Statistical Reporting)
- 3222 Processing and Reporting (SIGINT Operations)
- 12296 Processing Personnel Action
- 2284 Processing Support (COMSEC)
- 7043 Procurement (Appropriations)
- 5604 Procurement (Micrographics)
- 4027 Procurement (Petroleum)
- 4205 Procurement Authority and Responsibility
- 5236 Procurement of ADP Resources
- 7210 Procurement, Custody, and Disposition of Funds
- 4853 Production Analysis
- 4850 Production Control
- 9810 Production Engineering
- 4850 Production Expediting
- 4850 Production Planning and Scheduling
- 4800 Production Policy
- 4850 Production Progressing, Expediting, and Scheduling
- 4800 Production and Industrial Preparedness Planning (General)
- 5297 Productions, Products and Services
- 4800 Productivity Awards
- 6610 Professional Service (Dentistry)
- 12252 Professional or Other Associations
- 5295 Professional Training (Audiovisual)
- 1123 Program Analysis (Recruiting Plans and Policy)
- 1153 Program Development (Recruiting Support)
- 1739 Program Requirements (Chaplains and Religious Affairs)
- 5772 Programming and Production
- 3885 Programs (Intelligence)
- 5711 Programs and Agreements, Standardization
- 12930 Programs for Specific Positions and Examinations (Miscellaneous)
- 2251 Project Management and Development, Cryptographic
- 7542 Project Management Internal Audit Reports
- 3990 Projection Acceptance Test and Evaluation (PAT&E)
- 1400 Promotion and Advancements, Military (General)
- 12335 Promotion and Internal Placement
- 1420 Promotions (Military)
- 1426 Promotions (Permanent)
- 2430 Propagation (Electromagnetic Spectrum Management)
- 10342 Propellants and Oxidizers
- 7320 Property Accounting
- 4570 Property, Excess and Surplus
- 6230 Prophylaxis
- 9221 Propulsion Boilers
- 9242 Propulsion Clutches and Couplings
- 9252 Propulsion Control System
- 9234 Propulsion Gas Turbines
- 9233 Propulsion Internal Combustion Engines
- 9200 Propulsion Plant, General
- 9241 Propulsion Reduction Gears
- 9244 Propulsion Shaft Bearings
- 9243 Propulsion Shafting
- 9232 Propulsion Steam Engines
- 9231 Propulsion Steam Turbines
- 9250 Propulsion Support Systems
- 9260 Propulsion Support Systems (Fuel and Lube Oil)
- 8610 Propulsion Systems (Aviation Rocket and Missile)
- 9230 Propulsion Units
- 9245 Propulsors
- 9246 Propulsors Shrouds and Ducts
- 6630 Prosthetic Dentistry
- 5090 Protection, Environmental
- 12297 Protection of Privacy and Personnel Records
- 9303 Protective Devices (Electric Plant)
- 10360 Protective and Preservative Coatings and Compounds (includes paints, dopes, and related products)
- 4361 Protests and Appeals
- 10110 Provisions and Rations
- 6520 Psychiatry
- 3410 Psychological Warfare Techniques
- 5728 Public Affairs Guidance
- 5061 Public Service Awards
- A) 7240 Public Vouchers
- 5219 Publications, Management (See also 5605)
- 5600 Publications, Micrographics
- 8145 Pulsed Power
- 9503 Pumps (Auxiliary Systems)
- 13441 Pumps and Motors (Hydraulic, Pneumatic, Lubrication Systems)
- 8050 Pyrotechnics
- Q
- 1213 Qualification Codes (Officer)
- 12338 Qualification Requirements (General)
- 12339 Qualification Requirements (Medical)
- 12933 Qualification Requirements for Specific Positions
- 3740 Qualifications, Pilot
- 9840 Quality Assurance (Integration and Engineering)
- 9090 Quality Assurance Requirements
- 4855 Quality Assurance, Control (Production)
- 2313 Quality Control
- 2780 Quality Monitoring and Control
- 6210 Quarantine

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## R

3914	R&D, Funding	1100	Recruiting (General)
3911	R&D, Plans	1131	Recruiting (Officer)
3912	R&D, Programs	1142	Recruiting Aids
3913	R&D, Projects	1137	Recruiting Irregularities
3915	R&D, Reports	12333	Recruitment and Selection for Temporary and Term Appointment Outside the Register
3904	RDT&E, Funding	12332	Recruitment and Selection through Competitive Examination
3900	RDT&E, General	12330	Recruitment, Selection, and Placement (General)
3901	RDT&E, Plans	5760	Red Cross
3902	RDT&E, Programs	4500	Redistribution and Disposal of Property (General) (Civilian Personnel)
3903	RDT&E, Projects	12351	Reduction in Force
3905	RDT&E, Reports	12432	Reduction in grade and Removal based on unacceptable performance
3906	RDT&E, Support (Fleet Resources)	1450	Reductions in Rate, Rank, or Rating
3907	RDT&E, Support (Other than fleet resources)	12352	Reemployment Rights
4626	RRF (Ready Reserve Fleet)	1160	Reenlistments and Extensions
13290	Radar (Airborne)	9638	Refrigerated Spaces
3521	Radar (Electronics)	9516	Refrigeration System
8262	Radar (Guided Missile Fire Control)	11380	Refrigeration and Air Conditioning
8222	Radar (Gun Fire Control)	11350	Refuse Collection and Disposal
8272	Radar (Guns and Missile Fire Control)	A) 7280	Regional Consolidation Procedures
10551	Radar (See also 9451 and 13290)	1810	Regular Nondisability Retirement (Military)
9639	Radiation Shielding (see also 9218)	5112	Regulations (Mail and Postal Affairs)
9404	Radio Frequency Transmission Lines	4651	Regulations (Passenger Transportation/Travel)
2431	Radio Noise (Telecommunications) Interference	6330	Rehabilitation and Convalescence
9441	Radio Systems	5726	Relations, Community
8128	Radiological Controls, Nuclear Weapons	5700	Relations, External and Internal
6470	Radiological Medicine	12711	Relations, Labor
4642	Rail Carriers	5727	Relations, Media
11230	Railways and Rolling Stock	1916	Release From Active Duty, Reserve (Enlisted)
1427	Rank and Precedence	1926	Release From Active Duty, Reserve (Officer)
4628	Rapid Surge Force (TAKRX)	3080	Reliability and Maintainability (General)
1440	Rate or Rating (Changes (Military))	13070	Reliability and Maintenance (Aeronautical)
1430	Rate or Rating (Military Advancement)	9076	Reliability and Maintenance (General Requirements for Ship Design and Construction)
1223	Rating and Rank Structure (Enlisted)	1735	Religions (Christian Theology and History)
1514	Rating Training (Enlisted)	1736	Religions (General)
9213	Reactors	1730	Religious Affairs
2740	Readiness (Afloat Communications)	1737	Religious Education
4625	Readiness Program, Sealift	1754	Relocation Services
4626	Ready Reserve Fleet (RRF)	4375	Renegotiation and Statutory Profit Limitations
11011	Real Estate Property	7596	Rental Expenses
1134	Recall, Enlisted	13660	Repair Parts (Shortages) (Aeronautical Ground Support Equipment)
1132	Recall, Officer	4419	Repairables Management
A) 7270	Receipts	4403	Replacement and Evaluation Program (R&E)
13710	Reciprocating Engines (Aircraft)	3180	Replenishment (Audiovisual Activities)
7122	Reclamas	9571	Replenishment-at-Sea
12450	Recognition and Incentives (Civilian Personnel)	7700	Reporting, Progress and Statistical (General)
3561	Recognition and Visual Identification (Combat Information Center)	5779	Reports (AFR TS)
3315	Reconnaissance (Aerial Warfare Techniques)	5214	Reports Management
1402	Record of Procedures, Selection Boards	7330	Reports and Returns, Accounting
1070	Records (Military Personnel)	5600	Reproduction, Micrographics (See also 5270)
10464	Records Destruction Equipment	7133	Reprogramming (Budget Execution)
5212	Records Disposal Systems (include transfer, retirement, storage, and destruction)	2730	Requirements (Afloat Communications)
10463	Records Filing, Storage, and Retrieval Equipment	5311	Requirements (Manpower; Military and Civilian)
10462	Records Handling and Utilization Equipment	4810	Requirements (Production and Industrial Preparedness)
5210	Records Management	1410	Requirements and Qualifications (Military)
10461	Records Production Equipment	4491	Requisitions and Other Material Requests
12293	Records and Files (Civilian Personnel)	11107	Resale Activities
3760	Records and Reports, Flight	13150	Research (Aircraft)
6150	Records, Health and Medical	5751	Research (Historical Matters)
8424	Recovery Vehicle (Tank and Self-Propelled Artillery)	6500	Research (Medicine and Dentistry)
8415	Recovery Vehicles (Landing Vehicles, Tracked (LVT))	1122	Research (Recruiting Plans and Policy)
1710	Recreation and Social Affairs (Military)	3883	Research and Development (Intelligence Support)
9645	Recreation Spaces	3910	Research and Development (R&D)—General
1513	Recruit Training (Enlisted)		
1136	Recruiter Training		
1133	Recruiting (Enlisted)		

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7592	Research and Development Expenses	2534	SI Mobile Communications—Afloat
11150	Research and Development Facilities	2533	SI Mobile Communications—Shore-based
7044	Research, Development, Test and Evaluation (Appropriations/ Funding)	2512	SI Off-Line Encrypted Communications Systems
3900	Research, Development, Test and Evaluation (General)	2537	SI Operational Intelligence Communications Systems
12470	Research Programs (Civilian Personnel)	2513	SI Red Line Multiplexing Systems (LEMONADE)
4770	Reserve Fleets and Inactive Ships or Aircraft	2532	SI Ship/Shore Communications Systems
1820	Reserve Nondisability Retirement	2530	SI Tactical Communications
1533	Reserve Officer Training Corps (ROTC)	2535	SI Tactical Exchange Automation System (TEXAS)
1001	Reserve Policies and Programs	2536	SI Tactical Intelligence Communications Systems
4871	Reserve Production Equipment	3210	SIGINT—General
5725	Reserve Program	3226	SIGINT Direct Service
4022	Reserves, Petroleum	3216	SIGINT Equipment Installation and Configuration Control
2793	Residual Station (Afloat Communications)	3215	SIGINT Equipment Resources
2770	Resources (Afloat Communications)	3211	SIGINT Policy and Procedures (USSID)
5238	Reserve Accounting (Data Processing)	3225	SIGINT Systems Support (e.g., FLEXSCOP, IATS)
12353	Restoration to Duty	3265	SIGSEC Equipment Resources
10128	Retail Clothing Store Items	3261	SIGSEC Fleet and Afloat Operations
1040	Retention/Career Planning	3262	SIGSEC Land Based Operational Surveillance Systems
12831	Retirement (Civilian Personnel)	3260	SIGSEC Operations
1800	Retirement (Military) (General)	3263	SIGSEC Tactical Application Programs (e.g., HULTEC)
7593	Retirement and Profit-Sharing Plans	3266	SIGSEC Training Program (includes COMSEC Training Visits)
5237	Reutilization and Sharing (Data Processing)	2097	SOSUS
7120	Review, Budget	2801	SPP (Subsystem Project Plan)
5814	Reviews and Appeals, Court-Martial	2322	STROFAC
7501	Reviews and Surveys Conducted by the GAO	2097	SURTASS
13680	Rework, Maintenance, and Checkout (Aeronautical Ground Support Equipment)	1732	Sacraments, Religious
9614	Rigging and Canvas	1733	Sacred Music
3058	Risk Assessment (Naval Strategy)	5570	Safeguarding Unclassified Matter
1732	Rites, Religious	5100	Safety and Occupational Health (see also 6200)
8083	Rocket Artillery	10470	Safety and Survival Equipment and Devices
8250	Rocket Fire Control	8020	Safety, Ammunition and Explosives
8393	Rocket Launchers	4530	Sales
8383	Rocket Racks and Launchers	8035	Saluting Gun Ammunition
8610	Rocket and Missile Propulsion Systems (Aviation Ordnance)	9597	Salvage Support Systems
8042	Rockets (Aircraft)	4740	Salvage and Towing
13730	Rocket (Engines and Engine Systems)	9644	Sanitary Spaces and Fixtures
8040	Rockets (Ordnance)	10480	Sanitary and Cleaning Equipment
6250	Rodent Control	6240	Sanitation and Hygiene
9605	Rodent and Vermin Proofing	2050	Satellite Communications (SATCOM) Systems
4615	Routing (Shipments)	2054	Satellite Navigation Systems
2320	Routing Doctrine	13301	Satellites (Astronautic Vehicles)
2322	Routing for Afloat Commands	5120	Savings Bonds
2343	Routing Indicators	7511	Schedules, Audit
10320	Rubber	12620	Schedules, Work
9562	Rudders	4701	Scheduling (Maintenance, Construction and Conversion)
11132	Runways	1755	Schooling, Dependents'
		3966	Science and Technology (RDT&E)
		9591	Scientific and Ocean Engineering Systems
2050	SATCOM	3882	Scientific and Technical (Intelligence Support)
2046	SEAFARER/SHELF/SANGUINE	4624	Scientific Support Ships
3302	SEAL Team	10720	Scope Reading Cameras
4680	SEALIFT Containers	4010	Scrap and Salvageable Materials
2517	SI AUTODIN Limited Privacy Service (ALPS)	6560	Sealift Medicine
2531	SI Air/Ground Communications Systems	4625	Sealift Readiness Program
2500	SI Communications (General)	3505	Seamanship (Training and Readiness)
2501	SI Communications Equipment Installation and Configuration Control	1152	Sea Power Presentations
2501	SI Communications Planning and Management	3353	Search Procedures (Submarine Warfare Techniques)
2502	SI Communications Procedures	3130	Search and Rescue (Operations)
2510	SI Communications Systems	9520	Sea Water Systems
2522	SI HFDF Communications Control Shifts	9079	Seaworthiness (Ship Design and Material)
2521	SI HFDF Communications Reliability Reports	9238	Secondary Propulsion (Submarines)
2520	SI High Frequency Direction Finding Communications Systems	2030	Secure Voice Systems (excluding AUTOSEVOCOM)

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- 5500 Security (General) (See also 2200)  
 4905 Security Assistance Manpower  
 5513 Security Classification Guidance  
 5528 Security Education  
 2240 Security, Emission  
 2210 Security of Cryptographic Equipment and Materials  
 (see also 2230)  
 9402 Security Requirements (Shipboard Installations)  
 2220 Security, Transmission  
 1402 Selection Boards Record of Proceedings  
 1401 Selections (Military Promotion and Advancement)  
 12306 Selective Placement Programs  
 1170 Selective Service, Conscription, and Deferment  
 9236 Self-Contained Propulsion Systems  
 8082 Self-Propelled Artillery  
 12920 Senior Executive Service  
 3877 Sensor  
 5815 Sentences (Military Justice)  
 12715 Separations (Civilian Personnel)  
 1900 Separations (Military) (General)  
 4780 Service Craft and Relics  
 9650 Service Spaces  
 13033 Service Suitability Trials (Airworthiness and Service  
 Suitability)  
 11137 Service and Repair  
 5380 Services (Manpower, Personnel)  
 1754 Services and Benefits Council  
 12790 Services to Employees (See also 5380)  
 11345 Sewers and Sewerage  
 5354 Sexual Harassment  
 9263 Shaft Lube Oil System (Submarines)  
 9637 Sheathing  
 9110 Shell and Supporting Structure  
 9900 Ship Assembly and Support Services, General  
 A) 11480 Ship Building / Repair Shops  
 9560 Ship Control Systems  
 9610 Ship Fittings  
 A) 13850 Ship Helicopter Operating Limits (SHOL)  
 9091 Ship Inspections  
 5031 Ship Names  
 9597 Ship Salvage Support Systems  
 9040 Ship System Management  
 9050 Ship System Performance  
 9092 Ship Tests  
 9094 Ship Trials  
 2023 Shipboard Automated Communication System  
 2255 Shipboard Cryptographic Equipment  
 4732 Shipboard Weight Handling Equipment Inspection,  
 Testing, and Maintenance  
 4612 Shipment Orders  
 4610 Shipments (Cargo and freight)  
 3450 Shipping Control (Warfare)  
 4623 Ships (Fleet Auxiliary Force)  
 4621 Ships (Government-owned)  
 5752 Ships (Historical Matters)  
 4624 Ships (Scientific Support)  
 3128 Ships (Visits)  
 3173 Ships Boats (Audiovisual Activities)  
 10130 Ships Store Items  
 4067 Ships Stores Afloat  
 9430 Ships Telephones  
 11440 Shipways  
 4402 Shop Stores  
 2026 Shore Automated Communication System  
 2256 Shore Cryptographic Equipment  
 5450 Shore Establishment  
 1630 Shore Patrol and Military Police  
 11013 Shore Station Construction  
 11012 Shore Station Design Criteria  
 11010 Shore Station Development  
 11014 Shore Station Maintenance  
 11019 Shore Station Special Projects  
 3239 Shore Systems (Cryptologic)  
 5774 Shore-based AFRT Operations  
 2011 Short-haul Leased Circuits  
 2224 Signal Analysis, COMSEC  
 3242 Signal Characteristics Identification Systems  
 (Cryptology)  
 3260 Signals Security (SIGSEC), General  
 7251 Site-Audited Returns (Disbursing)  
 3574 Small Arms (Ordnance Gunnery)  
 8091 Small Arms Ammunition  
 8370 Small Arms and Landing Force Equipment  
 9760 Small Arms and Pyrotechnics, Stowage and Handling  
 (See also 8021, 8022, 8023, and 10490)  
 4380 Small Business  
 4226 Small Purchases  
 12832 Social Security Retirement, Survivors Insurance,  
 Disability Insurance, and Medicare  
 1754 Social Services  
 5234 Software Standards  
 3088 Software, Shore (Reliability and Maintainability)  
 3087 Software, Subsurface (Reliability and Maintainability)  
 3086 Software, Surface (Reliability and Maintainability)  
 12950 Solicitation of Federal Civilian and Uniformed  
 Services Personnel for Contributions to Private  
 Volunteer Organizations  
 5340 Solicitations, Collections, Contributions  
 10552 Sonar (see also 9461 through 9464)  
 3522 Sonar (Electronics)  
 9165 Sonar Domes  
 10761 Sound Gathering Systems  
 9430 Sound Powered Circuits/ Equipment  
 2097 Sound Surveillance System/ Surveillance Towed  
 Array System (SOSUS/ SURTASS)  
 5910 Space (Requirements, Allocations)  
 4452 Space Control  
 6540 Space Medicine  
 13302 Space Shuttle  
 4408 Spare and Repair Parts  
 3824 Special (Intelligence Collection)  
 3834 Special (Intelligence Dissemination)  
 3886 Special (Intelligence Support Functions)  
 3878 Special (Intelligence Training)  
 1570 Special ACDUTRA  
 10125 Special Clothing Cold Weather Clothing  
 9820 Special Drawings for Nuclear Propulsion Systems  
 13125 Special Electronics (Aircraft Fixed Wing)  
 6400 Special Fields, General (Medicine and Dentistry)  
 7820 Special Financing  
 13480 Special Mission Systems (Airframe Systems)  
 3359 Special Operations (Submarine Warfare Techniques)  
 (see also 3302)  
 9890 Special Purpose Items  
 9790 Special Purpose Systems (Armament)  
 9590 Special Purpose Systems (Auxiliary Systems)  
 9490 Special Purpose Systems (Command and Surveillance)  
 9390 Special Purpose Systems (Electric Plant)  
 9190 Special Purpose Systems (Hull)  
 9690 Special Purpose Systems (Outfit and Furnishings)  
 9290 Special Purpose Systems (Propulsion Plant)  
 8373 Special Rifle Team Equipment  
 2076 Special Security Communications System  
 4069 Special Services  
 9160 Special Structures  
 2010 Special Systems, Networks (Communications)  
 10750 Special Use Video Cameras (Instrumentation, Data  
 Recording)

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10750	Special Use Video Recorders	3235	Submarine Systems (Cryptologic)
3302	Special Warfare	3515	Submarine Warfare Tac D&E
8110	Special Weapons Safety	6420	Submarine and Diving Medicine
9792	Special Weapons (See also 8110)	12593	Subsistence, Quarters, and Laundry
6480	Special Weapons, Medical Problems Concerning IEMATS (Improved Emergency Message Automatic Teletype System), JCSAN (JCS Alerting Net) Planning	1214	Sub-specialty Codes
6401	Specialties, Medical	3363	Subsurface ASW
5721	Speeches	8053	Subsurface Pyrotechnics
1754	Sponsor Program	9060	Subsystem Characteristics (Ship Requirements)
2322	Stabilized Routing for Afloat Commands (STROFAC)	2801	Subsystem Project Plan (SPP)
9162	Stacks and Macks	12731	Suitability
4120	Standardization	A) 12754	Suitability Disqualification Actions
5711	Standardization Programs and Agreements	3752	Summary Report of Aircraft Mishap Board Conclusions and Recommendations
2211	Standards (Physical Security of COMSEC Material)	9371	Superconducting Propulsion
3093	Standards and Interoperability (C3)	9370	Superconducting Systems
4451	Standards and Procedures	6322	Supernumeraries
5370	Standards of Conduct	12411	Supervisory Training and Development
6110	Standards, Physical	7114	Supplemental and Deficiency Appropriations
7595	State and Local Taxes	4406	Supply Afloat
7700	Statistical Reporting	4442	Supply Levels
4296	Statistics (Contract)	9083	Supply Support
5314	Statistics (Manpower)	4400	Supply/ Material (General)
5442	Status of Aircraft	10466	Supplies, Office
3503	Status of Forces	1150	Support (Recruiting)
5441	Status of Vessels	9082	Support and Test Equipment
10310	Steel	4624	Support Ships, Scientific
5930	Stenographic, Clerical, and Messenger	2792	Support Station
10720	Still Picture Cameras and Camera Accessories	3330	Surface (Warfare Techniques)
10720	Still Picture Equipment and Accessories	6560	Surface and Sealift Medicine
10720	Still Picture Production Equipment (processors, printers, washers, dryers, and mounters)	3361	Surface ASW
10720	Still Picture Production Support Equipment and Accessories (includes Aerial)	8820	Surface Attack Guided Missiles and Rockets (AGM, CGM, HGM, LGM, MGM, PGM, RGM, UGM, BGM)
10720	Still Picture Projectors	3233	Surface Carry-on Systems (e.g., SSQ-80 VANS) (Cryptologic)
10720	Still Picture Viewing/ Projection, Display Equipment and Accessories (Includes Training Aids, Devices)	3231	Surface Support Operations (Cryptologic)
7113	Stock Funds	8554	Surface Laid Mines
4841	Stockpiling (Materials)	8514	Surface Launched Torpedoes
4450	Storage (Supply)	8051	Surface Pyrotechnics
11160	Storage Structures and Facilities	8041	Surface Rockets
11161	Storehouses	8281	Surface Ship
7323	Stores Accounts	3232	Surface Systems (Cryptologic)
8024	Stowage (Ammunitions Safety)	8815	Surface to Air (RIM)
9670	Stowage Space	3516	Surface Warfare Tac D&E
4022	Strategic Petroleum Reserves	4628	Surge Force, Rapid
2040	Strategic Systems	6460	Surgery
9020	Strategies and Special Capabilities	6730	Surgical and Diagnostic
3050	Strategy, Naval	6720	Surgical Dressings
5032	Street, Facility, and Area Names	9450	Surveillance Systems (Surface)
10710	Strike Recording/ Gun Cameras	9460	Surveillance Systems (Underwater)
4360	Strikes/ Disputes	4305	Surveys, Preaward
13410	Structural (includes materials) (Airframe Systems)	2242	Surveys, Tempest
13014	Structural (loads) (Aircraft Characteristics)	3131	Survival (Operations)
11100	Structures and Facilities, General	1772	Survivors' Benefits
12308	Student Employment Programs	8981	Swimmer Ordnance and Weapon Systems
5223	Studies, Analysis and Review, Management	8980	Swimmer and Antiswimmer Ordnance and Weapon Systems
7573	Subcontracts (See also 4285)	9592	Swimmer and Diver Support and Protection
8282	Submarine	8290	Switchboards (Fire Control and Optics)
2083	Submarine Broadcast Systems	2063	Switch System
8553	Submarine Laid Mines	2070	Switched Systems-Networks
8513	Submarine Launched Torpedos	4023	Synthetic Fuels
3350	Submarine Missions (Warfare Techniques)	9408	System Test Requirements
10720	Submarine Periscope Cameras (Removable)	8261	Systems (Guided Missile Fire Control)
9594	Submarine Rescue, Salvage, and Survival Systems	8221	Systems (Gun and Fire Control)
3234	Submarine Support Operations (Cryptologic)	8271	Systems (Gun and Missile Fire Control)
		3884	Systems (Intelligence)
		1143	Systems (Recruit Advertising)

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7545 Systems Development (Internal Audits)  
 2011 Systems, Networks (Communications)

T

3964 T&E Funding  
 3963 T&E Projects  
 A) 3968 T & E Ranges  
 3965 T&E Reports  
 2044 TACAMO  
 4628 TAKRX (Rapid Surge Force)  
 4627 TAKX (Maritime Repositioning Ships)  
 1570 TEMAC  
 2535 TEXAS  
 2180 TSR (Telecommunications Service Request)  
 3311 Tactical Air (Warfare Techniques)  
 3510 Tactical Doctrine  
 20212 Tactical Nets  
 5605 Tactical Publications (ATP, AMP, AXP, NWP, NWIP)  
 3355 Tactical Security (Submarine Warfare Techniques)  
 3352 Tactical Weapons Employment (Submarine Warfare Techniques)  
 9030 Tactical and Strategic Operation Support Capabilities  
 8420 Tanks  
 3227 Target Communications Systems (SIGINT Operations)  
 8230 Target Designation Systems  
 2095 Task Force Command Center (TFCC)  
 7401 Tax Withholding  
 5840 Taxes, Customs, and Duties  
 7595 Taxes, State and Local  
 4792 Technical Assistance, Communications and Electronic Equipment  
 4793 Technical Assistance (Other)  
 3972 Technical Evaluation (TECHEVAL)  
 3241 Technical Guidance Unit Operations (Cryptology)  
 10010 Technical Information and Modification (General Material)  
 8805 Technical Information and Modifications (Guided Missiles)  
 9086 Technical Manuals and Other Data  
 2880 Telecommunications Requirements (excluding frequency)  
 2180 Telecommunications Service Request (TSR)  
 2100 Telecommunications Services, General  
 2000 Telecommunications Systems, General  
 9444 Telemetry Systems  
 3264 Telephone Monitoring, COMSEC  
 2060 Telephone Systems  
 9445 Teletype and Facsimile Systems  
 10750 Television Equipment  
 2241 Tempest Policy and Criteria  
 2242 Tempest Surveys  
 12334 Temporary Assignment of Employees between Executive Agencies, and States, Local Governments, and Institutions of Higher Education  
 12316 Temporary Employment  
 1421 Temporary Promotions  
 4660 Terminal Operations  
 7575 Termination Claims  
 13031 Test and Evaluation (Airworthiness and Service Suitability)  
 3960 Test and Evaluation (T&E)—General  
 3961 Test and Evaluation Master Plans (TEMPs) Test and Evaluation Plans (TEPs)  
 11018 Testing Areas and Facilities

1230 Testing and Interviewing (Military)  
 6820 Textbooks and Journals (Equipment and Supplies)  
 2018 Theatre Nuclear Forces Communication System (TNFCS)  
 9508 Thermal Insulation for Piping and Machinery  
 9509 Thermal Insulation for Ventilation and Air Conducting Ducts  
 9075 Threaded Fasteners Maintenance  
 3057 Threat Assessment (Naval Strategy)  
 13421 Tires and Tubes (Airframe Systems)  
 10200 Tools (See also 4870)  
 9473 Torpedo Countermeasures  
 8395 Torpedo Tubes  
 8510 Torpedos (Underwater Ordnance)  
 9750 Torpedoes, Stowage and Handling (See also 8021, 8022, 8023, and 10490)  
 8081 Towed Artillery  
 9595 Towing, Launching, and Handling for Underwater Systems  
 6270 Toxicology  
 3354 Tracking Procedures (Submarine Warfare Techniques)  
 5870 Trademarks  
 2223 Traffic Analysis (COMSEC) (See also 2311)  
 3722 Traffic Control (Flight/ Air Space)  
 5560 Traffic Control and Parking  
 2311 Traffic Engineering  
 2310 Traffic Handling/ Processing  
 2316 Traffic Statistical Data  
 13127 Trainer Aircraft (Fixed Wing)  
 5295 Training (Audiovisual)  
 1532 Training (AvCad)  
 12410 Training (Civilian)  
 4950 Training (Foreign)  
 1534 Training (Merchant Marine and Maritime)  
 1500 Training (Military)  
 1531 Training (Naval Academy)  
 1533 Training (NROTC)  
 1530 Training (Officer Candidate)  
 11102 Training (Structures and Facilities)  
 4951 Training Courses (Quotas, duration)  
 9089 Training Equipment (Integrated Logistic Support Requirements)  
 1551 Training Films, Aids, and Special Devices  
 8850 Training Guided Missile and Rocket (ATM, MTM, and RTM)  
 10170 Training Material (See also 1550)  
 3502 Training Plans and Requirements  
 1552 Training Publications  
 12411 Training and Development, Supervisory  
 1500 Training and Education (Military) (General)  
 3500 Training and Readiness (General)  
 12971 Training, Promotion, and Executive Development Agreements with specific Agencies  
 1136 Training, Recruiter  
 12307 Transitional and Veterans Readjustment Appointment  
 9240 Transmission and Propulsion Systems  
 2220 Transmission Security  
 4670 Transportability  
 2013 Transportable Communications Systems  
 4630 Transportation (Air)  
 4640 Transportation (Land)  
 5114 Transportation (Mail and Postal Affairs)  
 8028 Transportation (Ordnance)  
 4620 Transportation (Sea)  
 11200 Transportation Facilities Heavy Equipment, General  
 9084 Transportation and Handling

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## SECTION 6

## GUIDELINES FOR REQUESTING CHANGES

1. Submit recommendations for changes (additions, deletions and modifications) to the Commander, Naval Data Automation Command (Code 171). Provide the following information on request:

(R)

- a. SSIC number (present number or recommended number)
  - b. Current subject (if applicable)
  - c. Recommended subject (for additions and modifications, only)
  - d. Related areas (cite any applicable system, procedure technological term, and/or any acronym which might apply)
  - e. Justification for the request.
2. The following guidelines shall be observed when recommending changes to the SSIC Manual.
- a. General. Changes to the the 16000 series are neither required or desired from U.S. Navy or U.S. Marine Corps addressees.
  - b. Additions
    - (1) In identifying additions consideration should be given to:
      - (a) New weapons and armament
      - (b) New equipment
      - (c) New terminology and nomenclature
      - (d) New systems and procedures
      - (e) New ship/classes and types of aircraft
      - (f) New technological terms and characterizations.
    - (2) Any subject that has relevance to a large segment of the Navy may be recommended provided it does not duplicate or identify with a closely related existing subject.
    - (3) Accurately identify the proper placement of new subjects by ensuring that the functional major subject grouping, primary subject grouping, secondary subject grouping and tertiary number are all in logical functional sequence.
    - (4) Narrative subject titles should be functionally descriptive, have broad definition and be stated concisely.
    - (5) New words or subjects closely related to an existing SSIC may be submitted for insertion in Section 4 of the Manual (alphabetical guide), along with the associated numerical code.
  - c. Deletions
    - (1) In identifying deletions consideration should be given to:
      - (a) Weapons, armaments and equipment that are no longer maintained in the Navy inventory.

(b) Ship types/classes that no longer appear in the Naval Vessel Register/Ships' Data Book (NAVSEA 250-574.8).

(c) Aircraft types that have been deleted from the Navy inventory.

(d) Systems and procedures no longer used within the Navy.

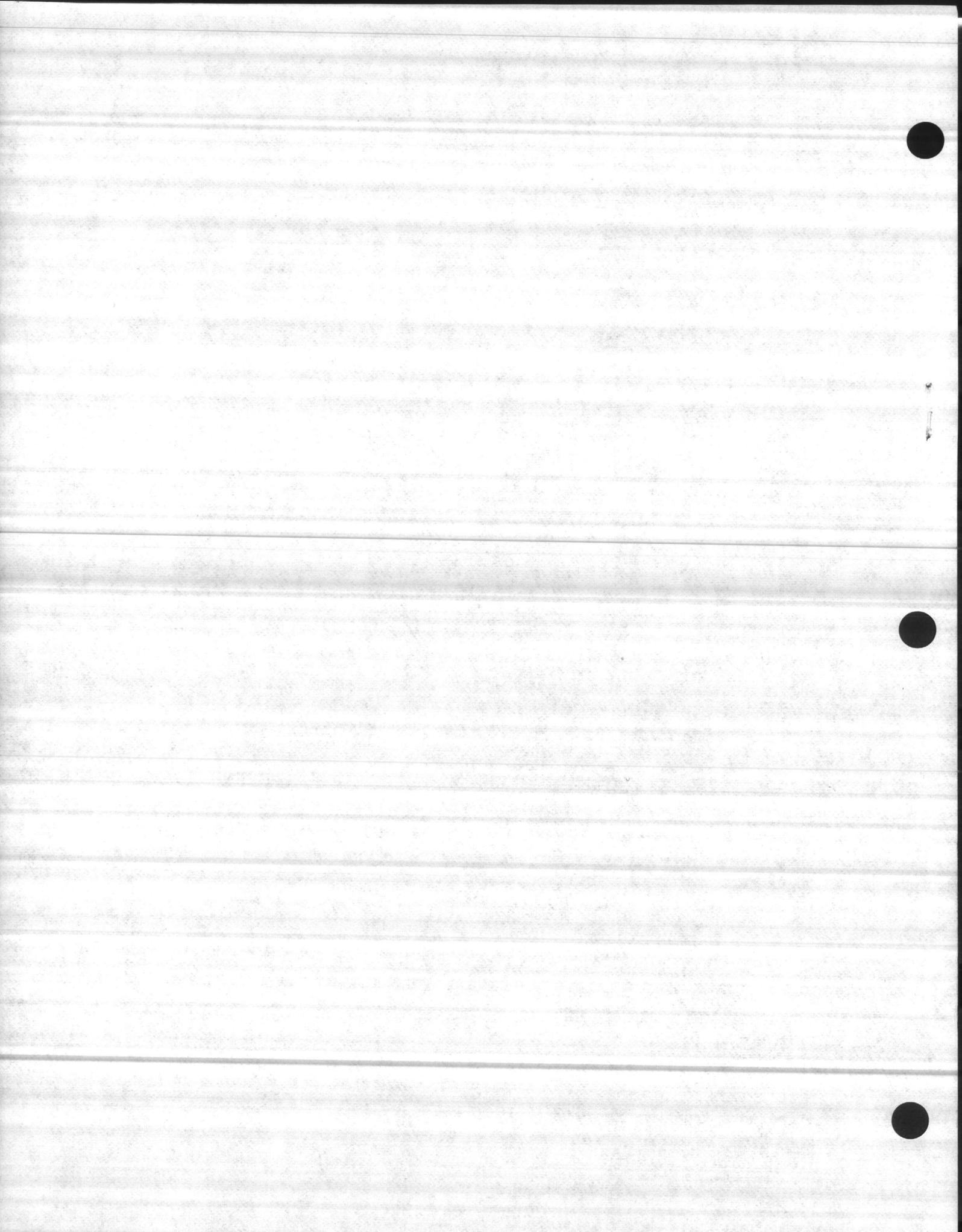
(e) Nomenclature and terminology that have been overcome by events and are no longer used.

(f) If a numerical code is deleted, the number cannot be used for a different narrative subject.

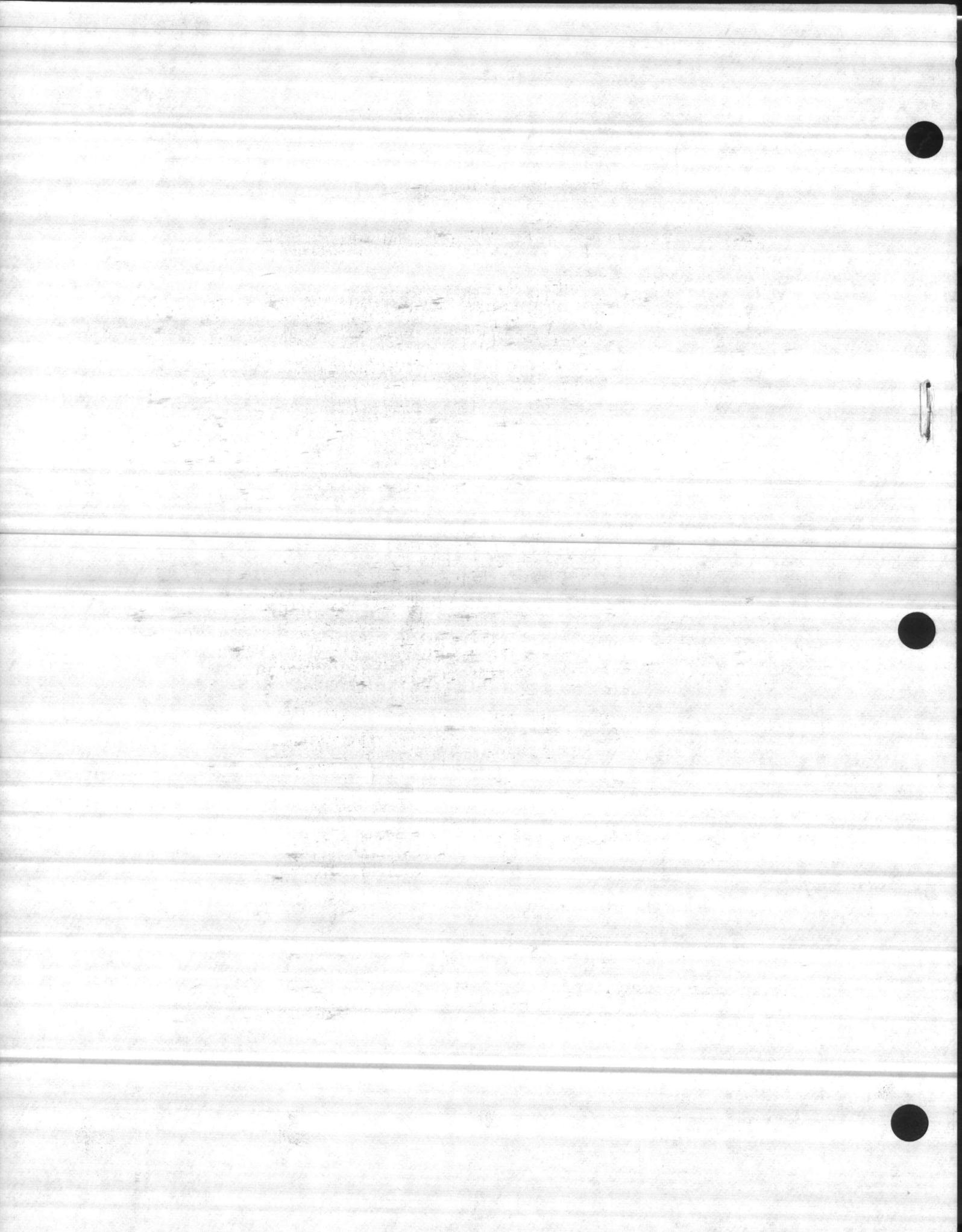


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**ROUTING AND TRANSMITTAL SLIP**

Date

7-20-87

TO: (Name, office symbol, room number, building, Agency/Post)	Initials	Date
1. Carl Baker		
2. Mack Frazelle		
3.		
4.		
5.		

*[Handwritten signature]*

Action	File	Note and Return
Approval	For Clearance	Per Conversation
As Requested	For Correction	Prepare Reply
Circulate	For Your Information	See Me
Comment	Investigate	Signature
Coordination	Justify	

**REMARKS**

Please be present at the Information Briefing on the Status of Ground Water Pollution Problems, 6 Aug at 0900, Bldg 1 Conf Room.

Information attached.

**DO NOT use this form as a RECORD of approvals, concurrences, disposals, clearances, and similar actions**

FROM: (Name, org. symbol, Agency/Post)	Room No.—Bldg.
	Phone No.

CLIFF POWELL

1000

1000

1000

1000

1000

UNITED STATES MARINE CORPS  
Marine Corps Base  
Camp Lejeune, North Carolina 28542-5001

6280  
FAC  
JUL 13 1987

From: Assistant Chief of Staff, Facilities, Marine Corps Base,  
Camp Lejeune

Subj: INFORMATION BRIEFING ON THE STATUS OF GROUND WATER  
POLLUTION PROBLEMS

Encl: (1) Excerpt from Superfund Act: Sec 117 Public  
Participation

1. Request your attendance at a briefing to be given on 6 August 1987 at 9:00 a.m. in the Building 1 Conference Room. The briefing will be presented by Mrs. Cheryl Barnett of the Atlantic Division Naval Facilities Command.

2. The purpose of the briefing is to inform Base officials regarding the status of the ground water pollution study proposed remedial action plans and public involvement requirements of the amended superfund act. The public involvement requirements are briefly described in the enclosure.

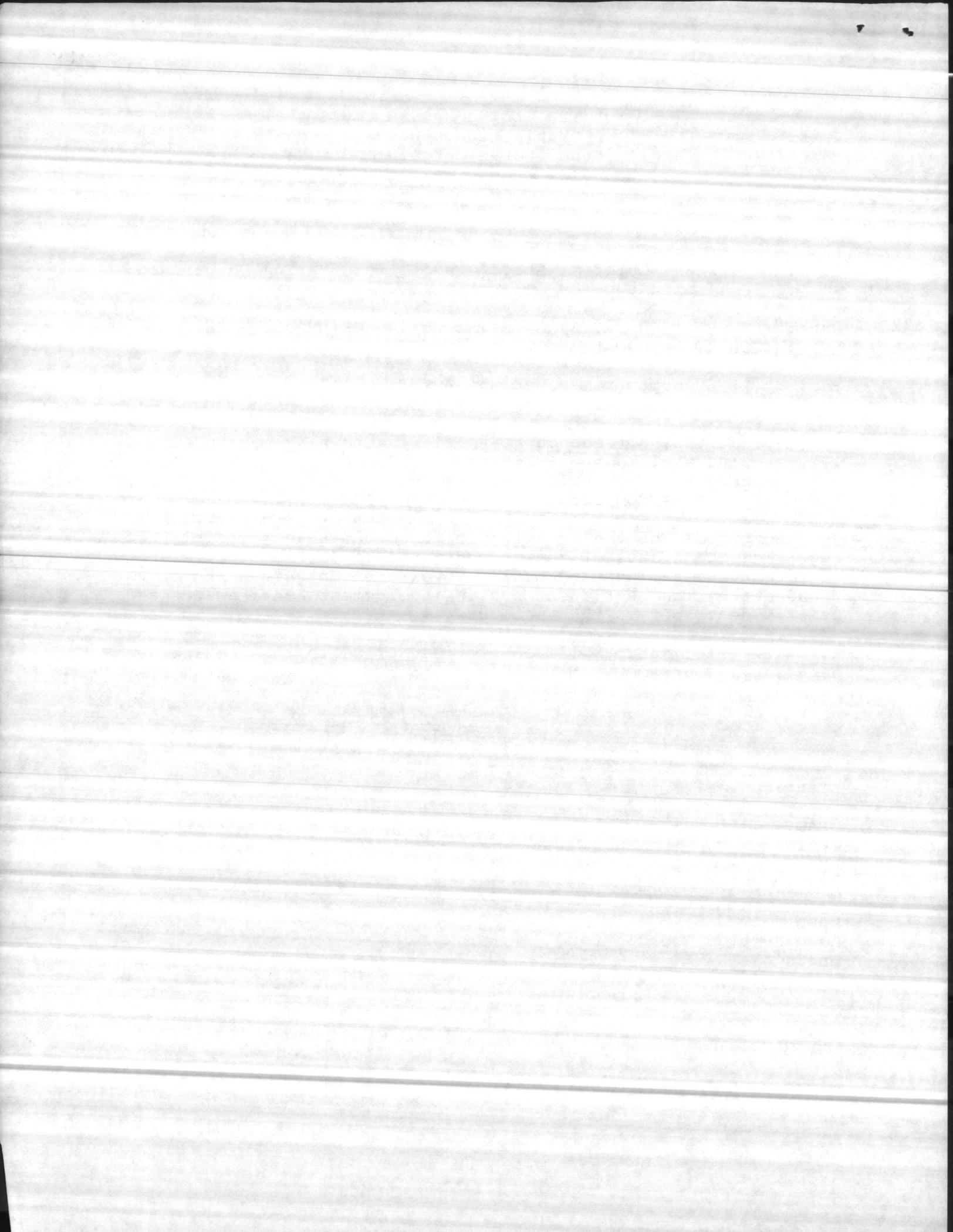
3. A detailed agenda will be provided prior to the meeting as necessary. Our POC is Mr. Bob Alexander, extension 3034.

  
T. J. DALZELL

Distribution:

SJA  
JPAO  
PWO  
→ BMO  
DNREAD

Copy to:  
Construction Coordinator  
EnvEngr



Compensation, and Liability Information System (CERCLIS) including in each assessment a statement as to whether a site inspection is necessary and by whom it should be carried out; and

(2) not later than January 1, 1989, the President shall assure the completion of site inspections at all facilities for which the President has stated a site inspection is necessary pursuant to paragraph (1).

(b) EVALUATION. — Within 4 years after enactment of the Superfund Amendments and Reauthorization Act of 1986, each facility listed (as of the date of such enactment) in the CERCLIS shall be evaluated if the President determines that such evaluation is warranted on the basis of a site inspection or preliminary assessment. The evaluation shall be in accordance with the criteria established in section 105 under the National Contingency Plan for determining priorities among release for inclusion on the National Priorities List. In the case of a facility listed in the CERCLIS after the enactment of the Superfund Amendments and Reauthorization Act of 1986, the facility shall be evaluated within 4 years after the date of such listing if the President determines that such evaluation is warranted on the basis of a site inspection or preliminary assessment.

(c) EXPLANATIONS. — If any of the goals established by subsection (a) or (b) are not achieved, the President shall publish an explanation of why such action could not be completed by the specified date.

(d) COMMENCEMENT OF RI/FS. — The President shall assure that remedial investigations and feasibility studies (RI/FS) are commenced for facilities listed on the National Priorities List, in addition to those commenced prior to the date of enactment of the Superfund Amendments and Reauthorization Act of 1986, in accordance with the following schedule:

(1) not fewer than 275 by the date 36 months after the date of enactment of the Superfund Amendments and Reauthorization Act of 1986, and

(2) if the requirement of paragraph (1) is not met, not fewer than an additional 175 by the date 4 years after such date of enactment, an additional 200 by the date 5 years after such date of enactment, and a total of 650 by the date 5 years after such date of enactment.

(e) COMMENCEMENT OF REMEDIAL ACTION. — The President shall assure that substantial and continuous physical on-site remedial action commences at facilities on the National Priorities List, in addition to those facilities on which remedial action has commenced prior to the date of enactment of the Superfund Amendments and Reauthorization Act of 1986, at a rate not fewer than:

(1) 175 facilities during the first 36-month period after enactment of this subsection; and

(2) 200 additional facilities during the following 24 months after such 36-month period.

**Sec. 117. Public Participation.**

[117 added by PL 99-499]

(a) PROPOSED PLAN. — Before adoption of any plan for remedial action to be undertaken by the President, by a State, or by any other person, under section 104, 106, 120, or 122, the President of State, as appropriate, shall take both the following actions:

(1) Publish a notice and brief analysis of the proposed plan and make such plan available to the public.

(2) Provide a reasonable opportunity for submission of written and oral comments and an opportunity for a public meeting at or near the facility at issue regarding the proposed plan and regarding any proposed findings under section 121(d)(4) (relating to cleanup standards). The President or the State shall keep a transcript of the meeting and make such transcript available to the public.

The notice and analysis published under paragraph (1) shall include sufficient information as may be necessary to provide a reasonable explanation of the proposed plan and alternative proposals considered.

(b) FINAL PLAN. — Notice of the final remedial action plan adopted shall be published and the plan shall be made available to the public before commencement of any remedial action. Such final plan shall be accompanied by a discussion of any significant changes (and the reasons for such changes) in the proposed plan and a response to each of the significant comments, criticisms, and new data submitted in written or oral presentations under subsection (a).

(c) EXPLANATION OF DIFFERENCES — After adoption of a final remedial action plan—

(1) if any remedial action is taken,

(2) if any enforcement action under section 106 is taken, or

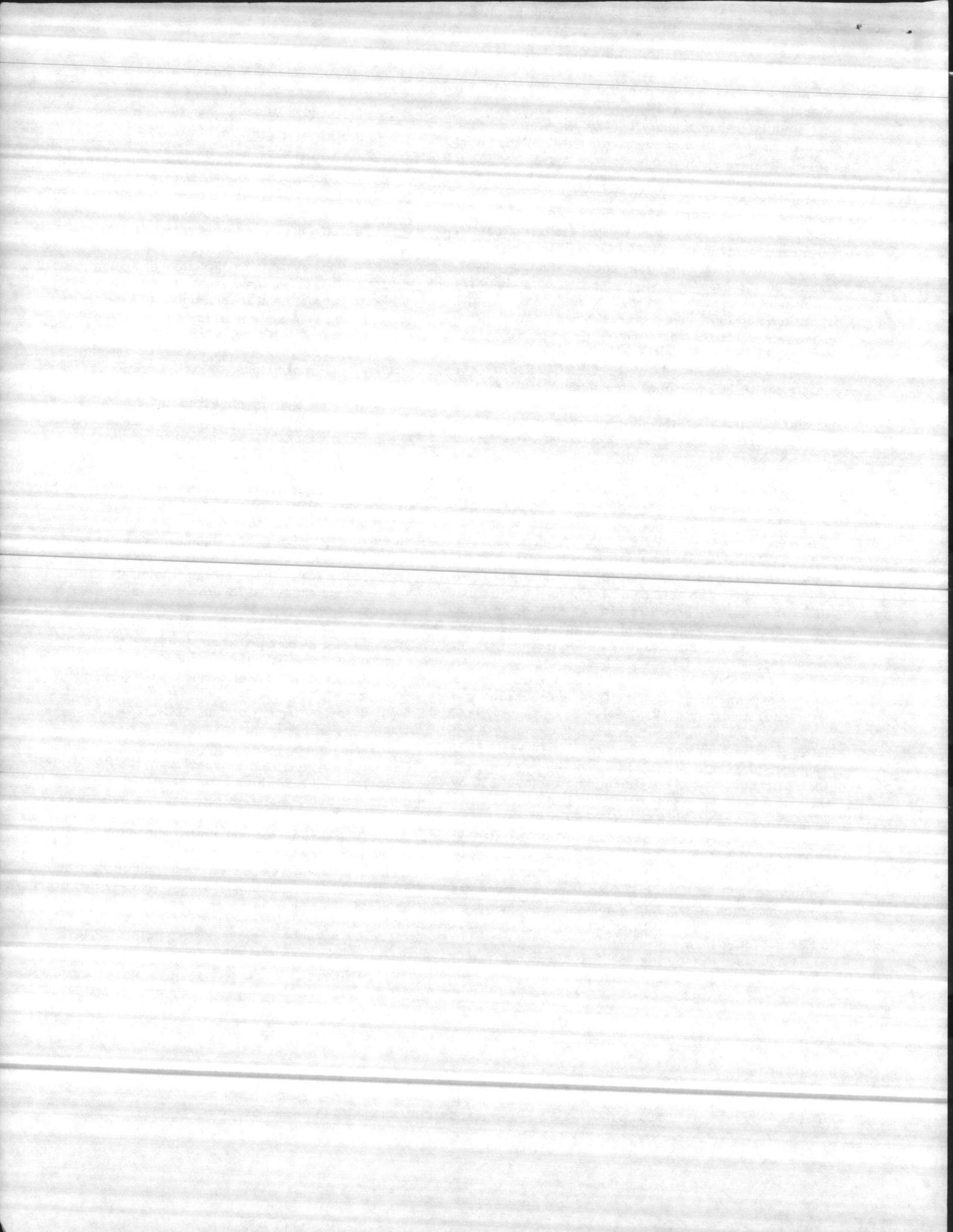
(3) if any settlement or consent decree under section 106 or section 122 is entered into,

and if such action, settlement, or decree differs in any significant respects from the final plan, the President or the State shall publish an explanation of the significant differences and the reasons such changes were made.

(d) PUBLICATION. — For the purposes of this section, publication shall include, at a minimum, publication in a major local newspaper of general circulation. In addition, each item developed, received, published, or made available to the public under this section shall be available for public inspection and copying at or near facility at issue.

(e) GRANTS FOR TECHNICAL ASSISTANCE.—

(1) Authority. — Subject to such amounts



11330

MAIN

11 Sep 87

Base Maintenance Officer, Marine Corps Base, Camp Lejeune

Assistant Chief of Staff, Facilities, Marine Corps Base,  
Camp Lejeune

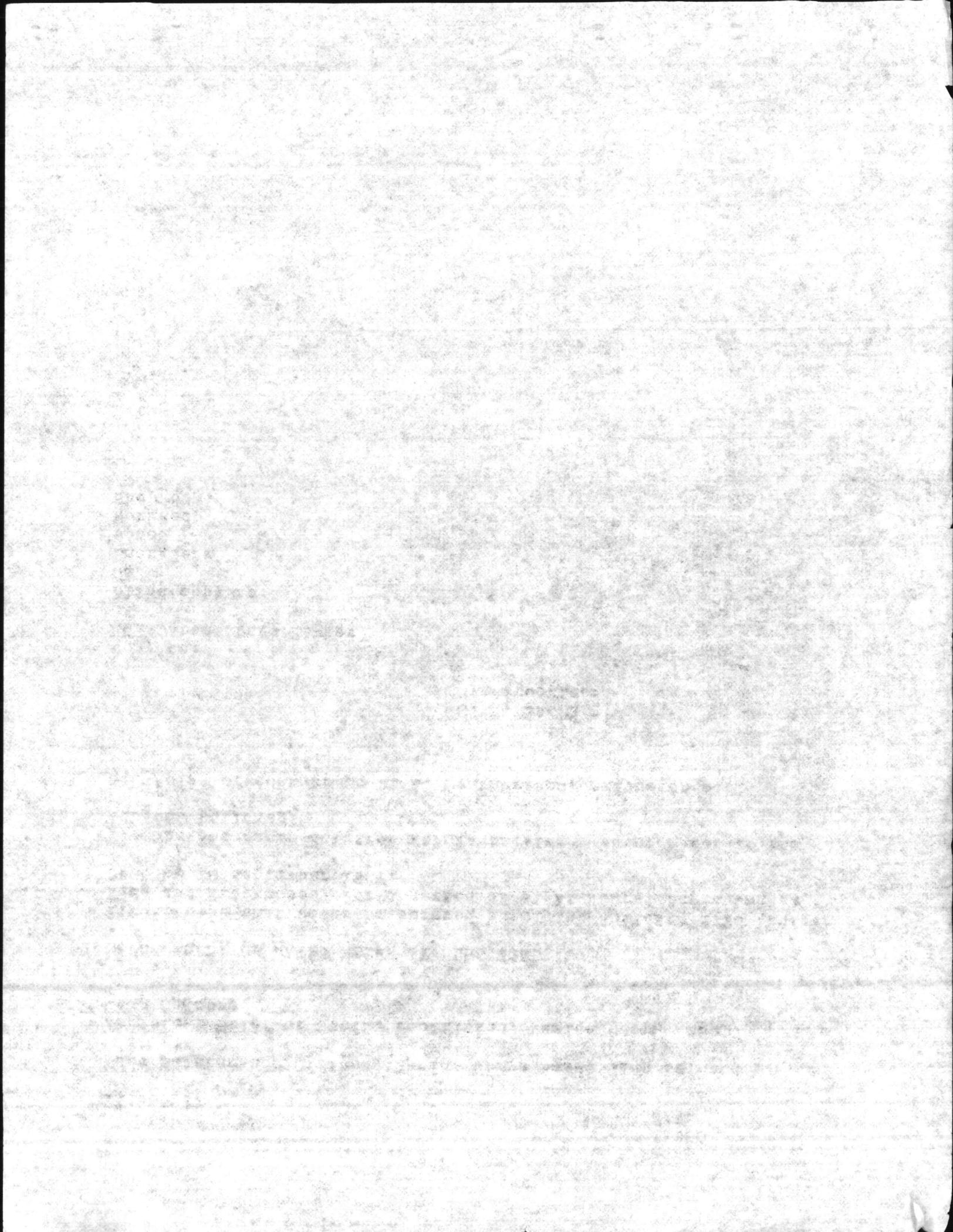
REPLACEMENT OF WATER METER AT BLDG 1220

1. Request that water be secured supplying Building 1220 (Burger King and Steakhouse) for a period of eight hours, beginning at 0600 on 20 September 1987.
2. The outage is required for installing a water meter to the subject building.
3. Point of contact is D. L. Southerland, extension 5161.

C. H. BAKER  
By direction

Copy to:  
MCX (Attn: Dave Parker)

Blind copy to:  
M&R  
EmergServ  
Opns  
WorkRecp  
Shop 83 ✓



LOCATIONS OF AUXILIARY ENGINES

Bldg. 20 - Hadnot Point Plant - 2 Catapillar Diesel Generators 6 cyl 175 KW

Wells serving Hadnot Point

Bldg. 603 - Murphy 4 cyl Diesel  
660 - Murphy 4 cyl Diesel  
608 - Ford 4 cyl Gas  
610 - Onan Diesel Generator 6 cyl 30 KW  
623 - Murphy 3 cyl Diesel  
607 - Murphy 3 cyl Diesel  
613 - Murphy Diesel 4 cyl  
622 - Murphy 3 cyl Diesel  
629 - Murphy 3 cyl Diesel  
628 - Murphy 3 cyl Diesel  
661 - Murphy 3 cyl Diesel  
638 - Continental 4 cyl Gas  
662 - Murphy 3 cyl Diesel  
640 - Continental 4 cyl Gas  
651 - Ford 4 cyl Gas  
654 - Ford 4 cyl Gas  
655 - Murphy 4 cyl Diesel  
4009 - Murphy 4 cyl Diesel  
4007 - Onan Diesel Generator 6 cyl 40 KW  
5186 - Diesel Murphy 4 cyl  
639 - Continental Gas 4 cyl

Bldg. 670 - Holcomb Blvd. Plant - 1 Ford 8 cyl Gas, 1 Ford 6 cyl Gas, 1 Waukesha Generator 6 cyl Gas, 85 KW, 1 Cummins Diesel 6 cyl 400 KW

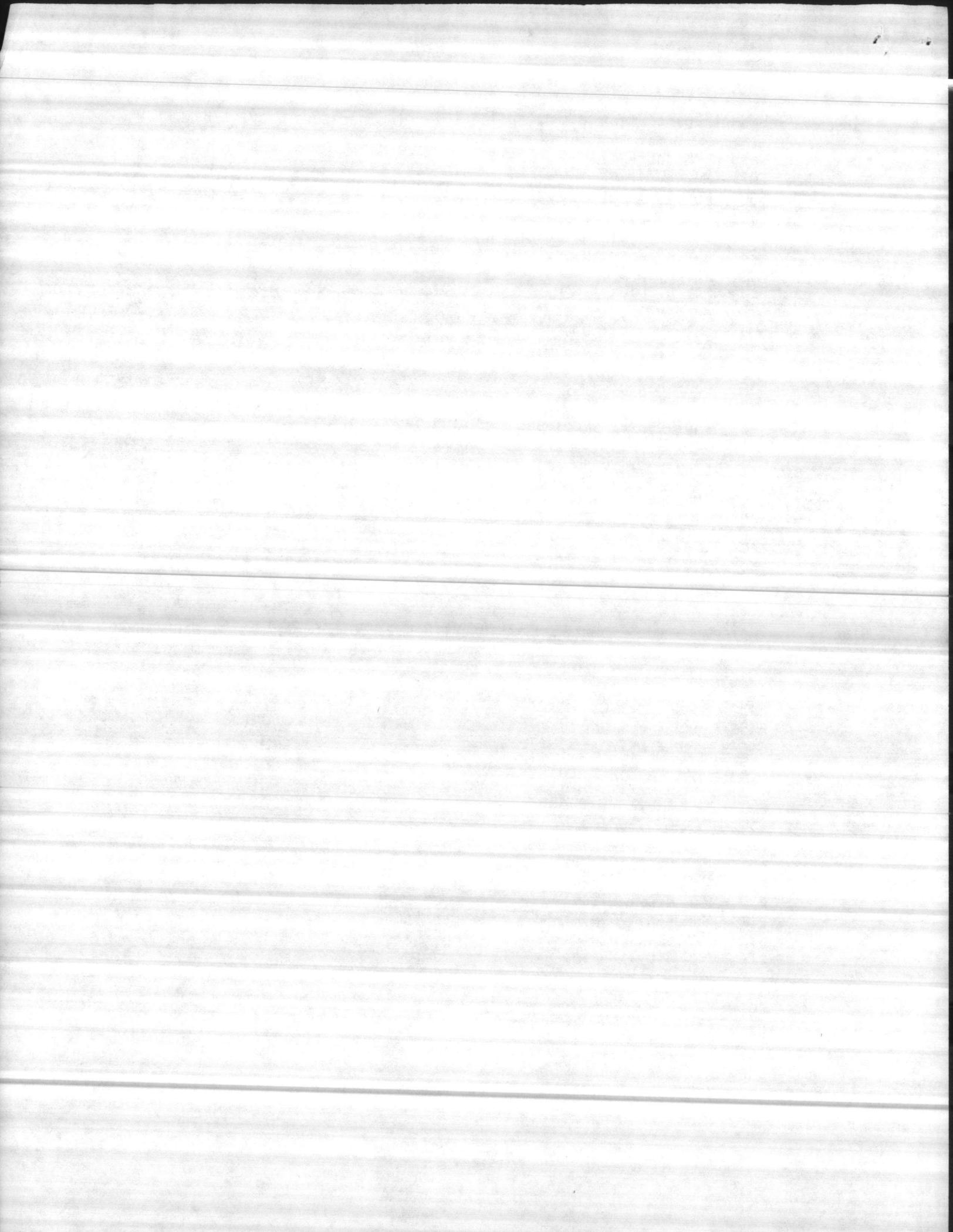
Wells serving Holcomb Blvd.

Bldg. 643 - Ford 4 cyl Gas  
645 - Ford 4 cyl Gas  
646 - Ford 4 cyl Gas  
647 - Ford 4 cyl Gas  
#2 - MWM 4 cyl Diesel  
#3 - MWM 4 cyl Diesel  
#5 - MWM 4 cyl Diesel  
#7 - MWM 4 cyl Diesel  
#8 - MWM 4 cyl Diesel  
#9 - MWM 4 cyl Diesel  
#10 - MWM 4 cyl Diesel  
#11 - MWM 4 cyl Diesel  
#12 - MWM 4 cyl Diesel  
#14 - MWM 4 cyl Diesel

Bldg. BA 138 - Onslow Beach Plant - 1 Ford 6 cyl Diesel

Wells serving Onslow Beach Plant

Bldg. 164 - Ford 6 cyl Diesel



Bldg. BB 190 - Courthouse Bay Plant - 1 Continental 6 cyl Gas, 1 old auxiliary gas generator 4 cyl

Wells serving Courthouse Bay

Bldg. 221 - Onan Diesel Generator 6 cyl 30 KW  
43 - Murphy 4 cyl Diesel  
221A - Diesel 4 cyl

Bldg. RR 85 - Rifle Range Plant - 1 Onan Diesel Generator 6 cyl 125 KW

Wells serving Rifle Range

Bldg. 45 - Allis Chalmers 4 cyl Gas  
227 - Murphy 3 cyl Diesel

Bldg. AS 110 - 1 Detroit 12 cyl Diesel Generator 300 KW

Wells serving AS 110

Bldg. 190 - Ford 4 cyl Diesel  
1251 - Ford 4 cyl Gas  
1255 - Ford 4 cyl Gas  
501 - International 4 cyl Gas  
502 - Ford 4 cyl Gas  
504 - Ford 4 cyl Diesel  
1001 - Wisconsin 4 cyl Gas  
325 - Murphy 4 cyl Diesel

Bldg. TT 38 - Tarawa Terrace Pumping Station - 1 Catapillar Diesel Generator  
8 cyl 255 KW

Bldg. MOQ 2002 Pumping Station - 1 Diesel Generator 6 cyl 100 KW



19 JUN 1987

11000  
MAIN

Base Maintenance Officer

Base Fire Chief

REMOVAL OF FIRE HYDRANT #7-8-8

1. The subject fire hydrant has been hit by numerous vehicles over the years and has required extensive repair/replacement. Metal posts have also been installed around the hydrant to prevent damage, but to no avail. The hydrant is located in a parking lot in front of Building 11, Courthouse Bay. The removal of this parking lot or removal of the hydrant, seems to be the only solution to this problem. Two new hydrants have been installed within 50 feet of this hydrant.
2. It is requested that your office approve the removal of the subject fire hydrant. The Base Maintenance Plumbing Shop will accomplish the removal on ticket work, if approval is granted.
3. Point of contact for additional information is Mr. Mack Frazelle, Utilities Systems General Foreman, X5988/1081.

M. G. LILLEY

Blind copy to:  
Dir, Util

z  
Writer: M. Frazelle, X5988  
Typist: C. Kowalski, 18 Jun 87

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11000

18 JUN 1981

Case 11000  
Page 11000

REMOVAL OF RIFLE FROM 11-3-81

The removal of the rifle from the vehicle was completed on 11-3-81. The rifle was found in the trunk of the vehicle and was removed to the police station. The rifle was found in the trunk of the vehicle and was removed to the police station. The rifle was found in the trunk of the vehicle and was removed to the police station.

The removal of the rifle from the vehicle was completed on 11-3-81. The rifle was found in the trunk of the vehicle and was removed to the police station. The rifle was found in the trunk of the vehicle and was removed to the police station.

The removal of the rifle from the vehicle was completed on 11-3-81. The rifle was found in the trunk of the vehicle and was removed to the police station. The rifle was found in the trunk of the vehicle and was removed to the police station.

11-3-81

# Memorandum

5000  
MAIN

DATE: 17 June 1987

FROM: Director, Utilities Branch

TO: Base Fire Chief

SUBJ: FIRE HYDRANT #7-8-8, REMOVAL OF

1. Subject fire hydrant has been hit by numerous vehicles over the years and required extensive repair/replacement. Metal posts have also been installed around the hydrant to prevent damage but to no avail. The hydrant is located in a parking lot in front of Building 11, Courthouse Bay. The removal of the parking lot or the hydrant appear to be the only solution to the problem. Two new hydrants have been installed within 50 feet of this hydrant.

2. It is requested that your office approve the removal of subject hydrant. The Base Plumbing Shop will accomplish the removal on ticket work if approval is granted.

3. Your assistance is sincerely appreciated. If additional information is required, please contact Mr. Frazelle, Utilities Systems General Foreman at phone number 5988 or 1081.

C. H. BAKER

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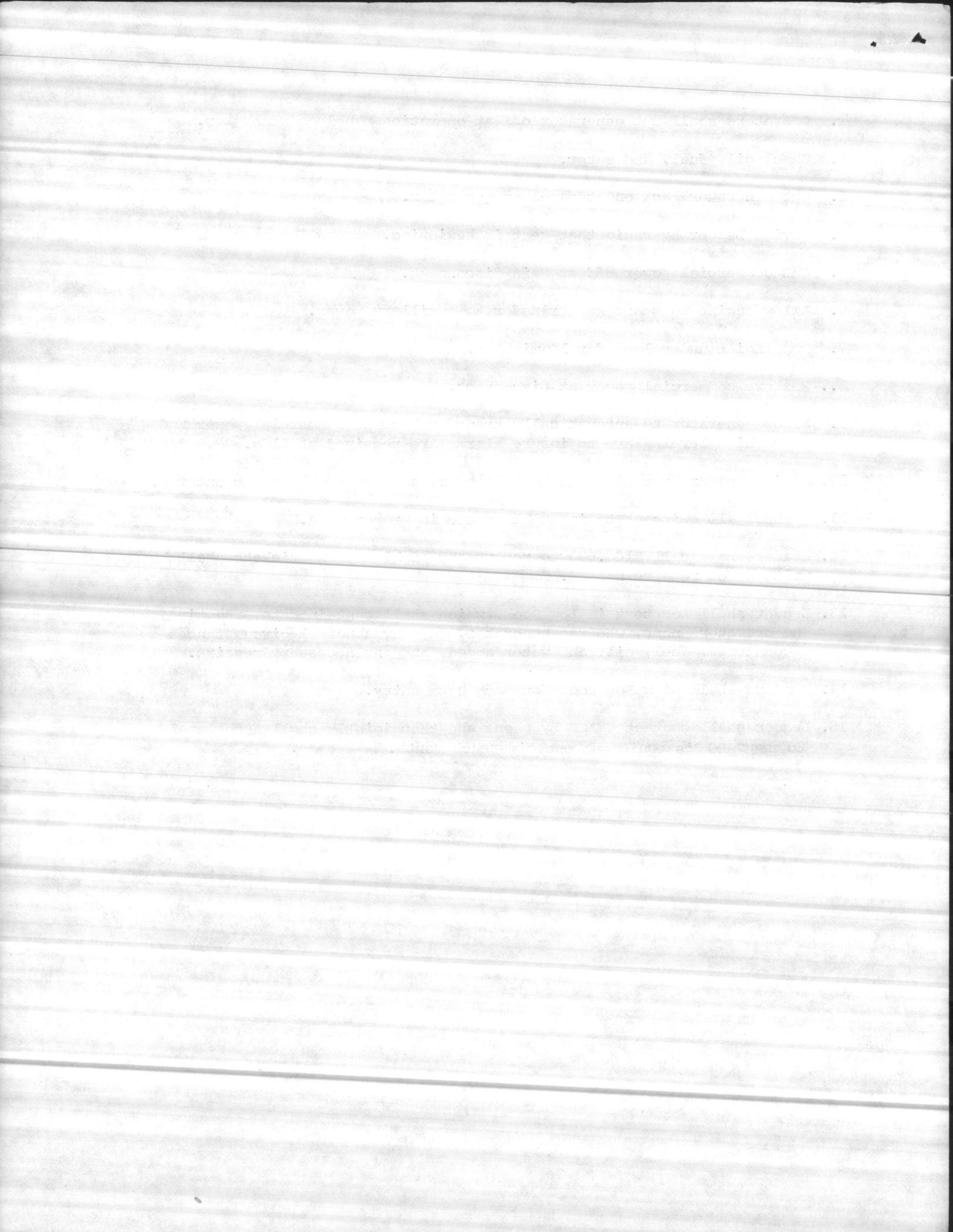
1958

1959

1960

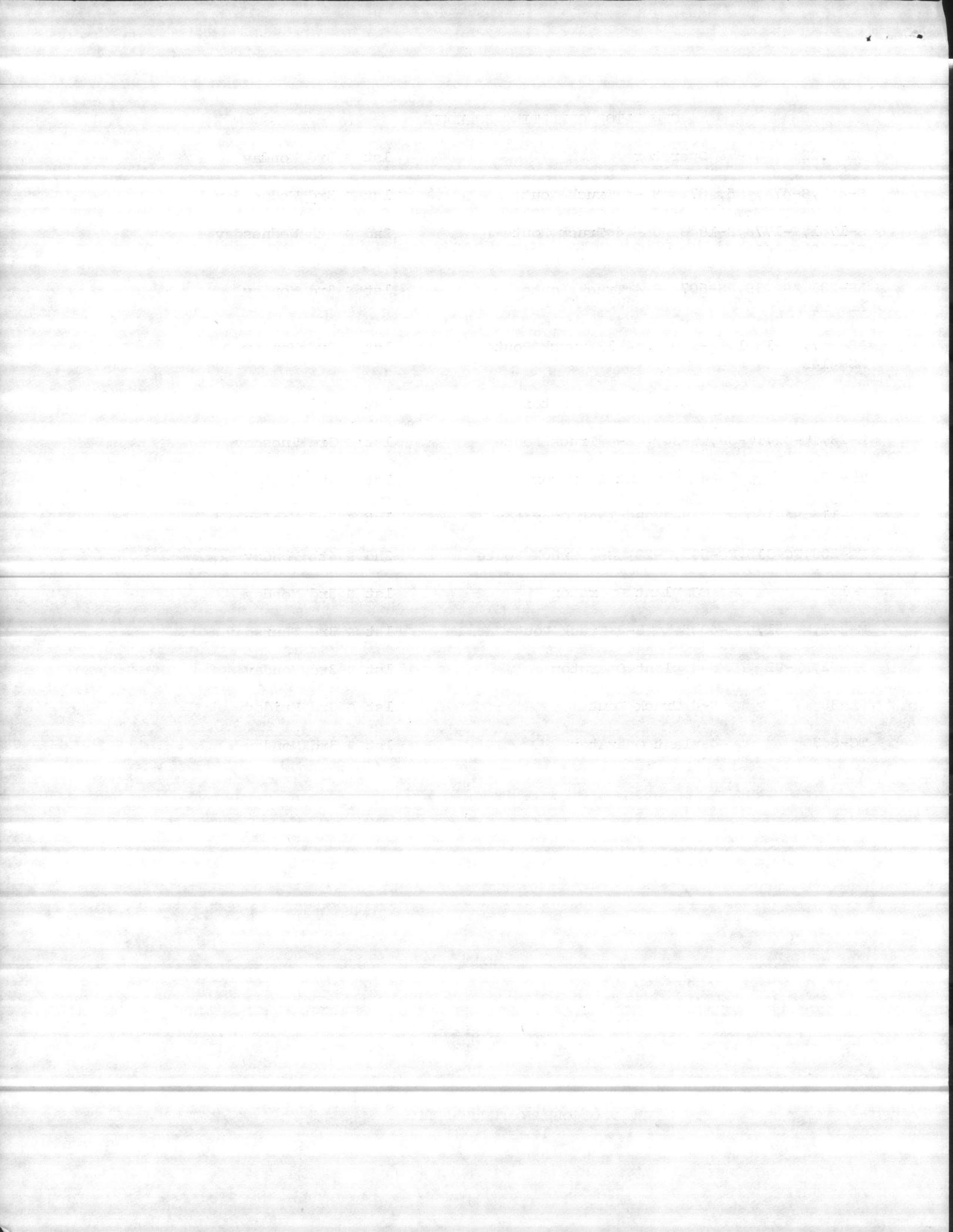
## GENERATOR TEST PROCEDURES

1. Operators shall cut generator off at operation panel on generator.
2. Check oil, fuel, and water.
3. Cut generator back on at panel on generator.
4. Advise Leader by radio that test is beginning.
5. Cut commercial power off at Main disconnect.
6. Allow engine to start and transfer to auxillary power.
7. Run engine under load for 10 minutes.
- 8.. Restore commercial power at disconnect.
9. Allow generator to automatically transfer back to commercial power and check high level alarm to insure alarms are received at Bldg. 22.
10. Advise Leader by radio that test is over, and any problems encountered.
11. Recheck all switches to insure they are in proper mode.
12. Leader shall call Bldg.670 to report any problems, and tickets shall be written for repairs needed.
13. Leader shall Log test in Log Book, which shall contain date, run time, and operators name, who ran generator, and any abnormal circumstances encountered, fuel, oil, and water added, and any necessary repairs.
14. Leaders shall sign Log Book for each Data entry.
15. Leader shall contact UMACS by phone and they jointly shall agree on date to test UMAC's equipment one time each month. ~~test mode.~~



GENERATOR OPERATING SCHEDULE

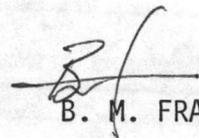
BLDG.22	8 - 4 Operator	1st & 3rd Monday
S-467,S-47A, 85, 672	8 -4 Truck Route	1st & 3rd Wednesday
S-1761,S-1776,S-1948 S-2100,S-2633	8 - 4 Truck Route	2nd & 4th Wednesday
AS-238,AS-239,AS-607 AS-629	8_4 Truck Route	1st & 3rd Monday
AS-867,AS-1001,AS-2008 AS-4143	4-12 Truck Route	1st & 3rd Monday
BB-1,BB-4	8 - 4 CHB Operator	1st & 3rd Monday
E-23,TT-32,TT-33,TT-34	8-4 Truck Route	1st & 3rd Tuesday
TT-35,	8-4 TT plant Operator	1st & 3rd Monday
BA-116,BA-160	8-4 OB plant Operator	1st & 3rd Monday
FC-203,FC-315,FC-599,H-29	8-4 Truck Route	2nd & 4th Monday
M-136	8-4 CJ Plant Operator	1st & 3rd Monday
M-241,M-451,LCH-4005	8-4 Truck Route	1st & 3rd Thursday
RR-52,RR-92	8-4 plant Operator	1st & 3rd Monday
SA-38	8-4 Truck Route	1st & 3rd Friday
TC-647	8-4 plant Operator	1st & 3rd Monday

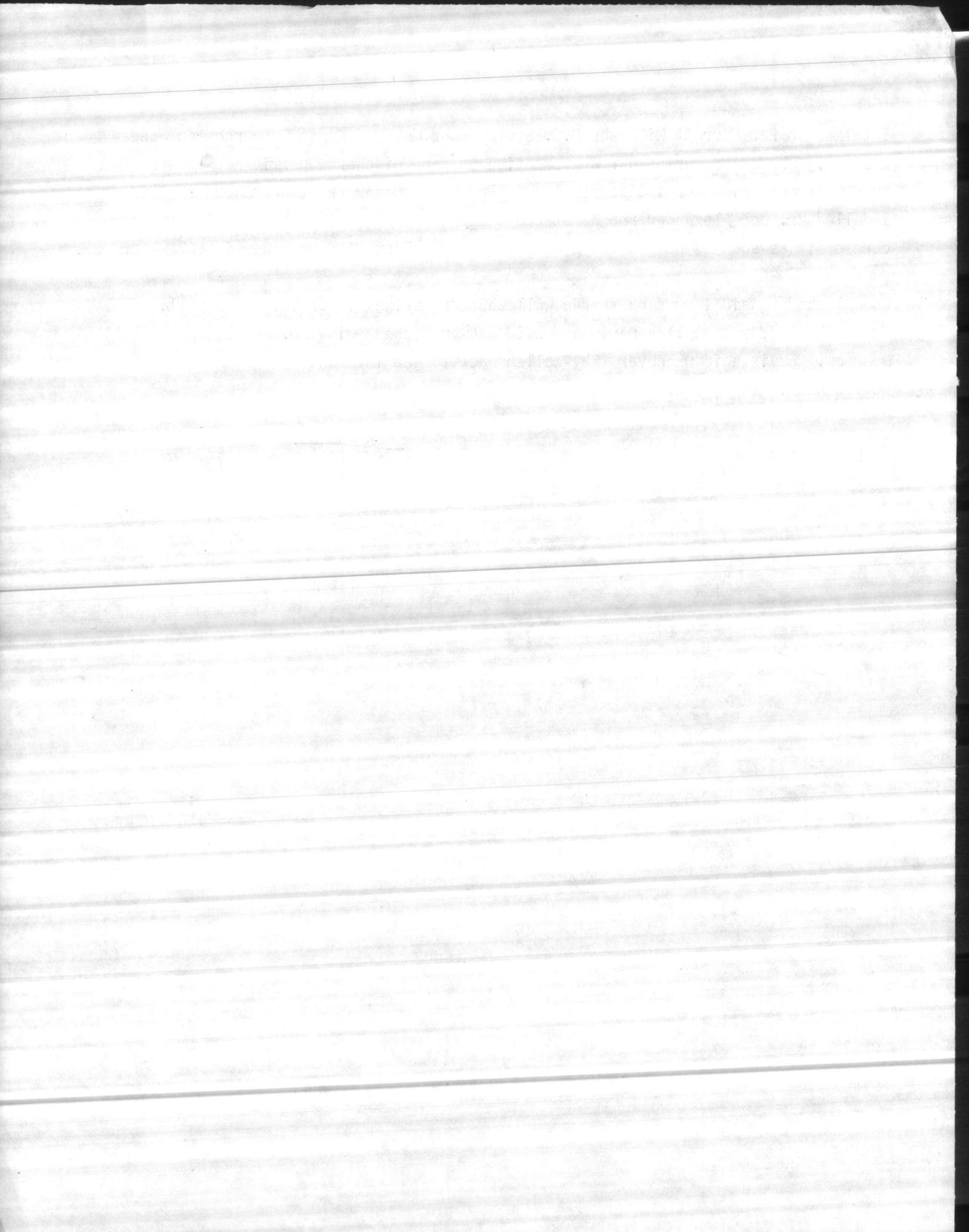


1-28-87

I talked to Pat Durrett with the N.C. State Department of Human Resources on Monday 1-26-87. She noted during our conversation that no discharge permit had been requested from Marine Corps Base for the Onslow Beach Water Treatment Backwash Pond. I called Mr. Bob Alexander and he stated that <sup>he</sup> was aware of it and was going to take care of it as soon as he got the Sewage Treatment Plant Discharge Permit taken care of.

Bob Alexander said it was ok to run well 653 for Marines in training for filling fuel oil bladders. Called Davis and said he would check with Mr. Powell and would let me know. Davis said whenever they called back to get into and send them a memo on well contamination, etc.

  
B. M. FRAZELLE, II



11330  
MAIN

DATE: 27 January 1987  
FROM: Utilities Systems General Foreman  
TO: D. L. Southerland, Director, Utilities Branch  
SUBJ: DRAINING OF ELEVATED WATER TANK SCHEDULE OF

1. The contractor doing the work will check weather conditions and call Foreman, Water Treatment on Monday of each week to start tank draining sequence.
  - a. Mechanics will install pressure relief valves (PRV) on hydrants for pumping into lines on Monday.
  - b. Mechanics will drain elevated tank on Monday.
  - c. Contractor will inspect the inside of tank first thing Tuesday each week.
  - d. After inspection, the tank will be refilled Tuesday.
  - e. Bacteria sample will be taken and turned into Water Lab. Results will be in Wednesday afternoon, if negative, the tank will be back in service. If positive, super chlorination will be effective.

NOTE: The only problem with tank draining will be those tanks with only one (1) tank per system. Rifle Range, Courthouse Bay, Onslow Beach and Montford Point will be effected.

B. M. FRAZELLE, II

(ENCL)



DATE: 27 January 1987

SUBJ: DRAINING OF ELEVATED WATER TANK SCHEDULE

<u>ELEVATED TANK</u>	<u>DATE</u>
SRR-44 FC-314	3 February 1987 "
SBB-25 S-29	10 February 1987 "
SBA-108 S-1000	17 February 1987 "
S-5 S-2323	24 February 1987 "
SLCH-4004 STT-40	3 March 1987 "
SM-424 S-830	10 March 1987 "
STC-606 SAS-310	17 March 1987 "
STC-1070 SAS-4130	24 March 1987 "



# Roberts

CABLE ADDRESS  
"WATERFILT" PHILA.  
Telex 831439

F I L T E R      M A N U F A C T U R I N G      C O M P A N Y  
P. O. BOX 167 • DARBY, PENNSYLVANIA 19023 • (215) 583-3131

October 13, 1986

United States Marine Corps  
Base Maintenance Division  
Marine Corps Base  
Camp Lejeune, NC 28542

Attention: Mr. W.M. Price

Reference: Camp Lejeune, NC  
Building 20  
RFMCO Contract: 2093

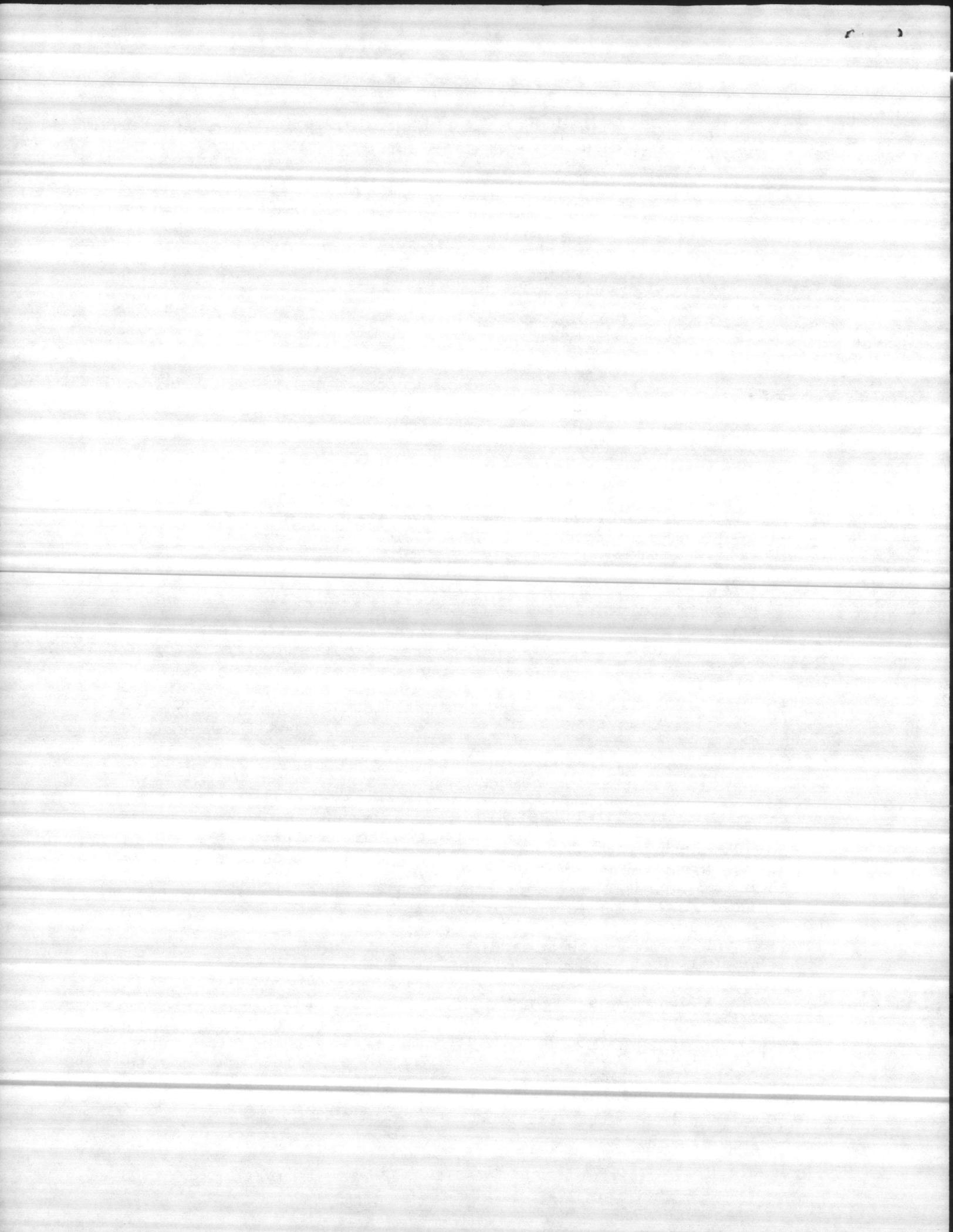
Gentlemen:

Field service was provided by our field engineer, Mr. Kurt Beyer, during the week of September 22, 1986 at the referenced jobsite. The work performed during this visit is summarized as follows:

It was reported that three of the filter influent valves were not sealing completely, allowing water to flow continuously. During a previous service visit the limit stops were adjusted on the valve cylinder which had no affect in correcting the problem. During this visit the valves were inspected in the open and closed positions after the plant flow was isolated. All of the filter influent valves have a build-up of calcium carbonate or lime on the valve disc and seat which is preventing a positive seal. The leakage occurs when an area of build-up sloughs off the valve disc and leaves a void area preventing that particular section of the disc from sealing properly.

The problem with the filter influent valves is maintenance related. Keystone Valve recommends that the valve disc and seat be cleaned with a 5% or less solution of sulphuric acid to remove the deposits. When removing this build-up exercise extreme care if scraping or sanding these surfaces. This could damage the valve disc and/or seat. The cleaning of the valve disc and seat will have to be done periodically to remove the build-up. The frequency at which this cleaning process must be performed will be dependent upon the rate of build-up.

The other problem was with one of the two recently replaced Pratt positac effluent valve positioners. They were previously replaced on filters number 1 and 4. Filter number 4 still continued to blow the 1.8 amp fuse. It was again replaced with a new positac positioner by a Pratt field representative. The positioner was tested and the problem was corrected.



Camp Lejeune, NC  
Contract No. 2093

Page 2

Should you have any questions please do not hesitate to contact us.

Sincerely yours,

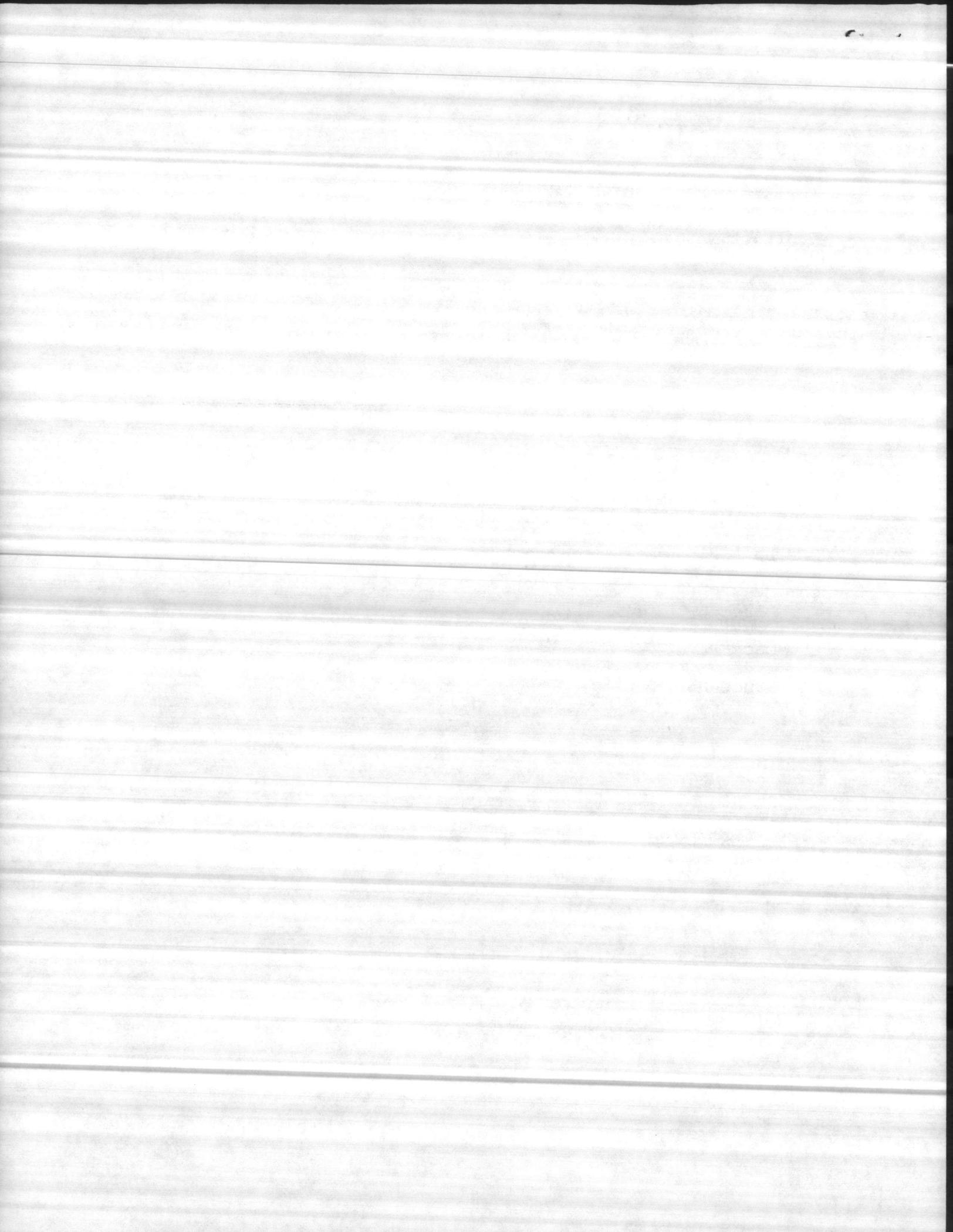
Steven C. Farney  
Service Coordinator

SCF:bp

cc: M.D. Hargas  
Director of Operations

Mac Frazell

Bruce Hoffman



16-C

# ROBERTS FILTER MANUFACTURING CO.

DARBY, PA. 19023



## MEMORANDUM OF SHIPMENT

SHIPPED TO

ATTN: WILLARD PRICE  
MARINE CORPS BASE  
BASE MAINTENANCE DIVISION  
CAMP LEJEUNE, N.C. 28542

DATE 8-20-86

DATE SHIPPED 8-19-86

S. O. NO.

CUSTOMER'S ORDER NO.

CONTRACT 2093

FROM—

DARBY, PA.

VIA—

UPS-BLUE

CAR

MATERIAL

ONE (1) CARTON - TOTAL WEIGHT 3#

B/M ITEM #

2 - 8" PRATT MODEL 2 FII BUTTERFLY VALVES WITH POSITRON/  
POSITAC ELECTRIC MOTOR OPERATOR. CONTROL SIGNAL 4 TO  
20 MADC.

B/M #406 (PART OF)

REPAIRED UNITS BY PRATT.

HOLD FOR RONNEY BIC.



STATE OF NEW YORK

IN SENATE

JANUARY 10, 1911

REPORT

OF THE

COMMISSIONERS OF THE LAND OFFICE

FOR THE YEAR 1910

ALBANY:

THE UNIVERSITY OF THE STATE OF NEW YORK

THE STATE EDUCATION DEPARTMENT

1911

PRINTED BY THE STATE EDUCATION DEPARTMENT

ALBANY, N. Y.

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## ROBERTS FILTER MANUFACTURING CO.

DARBY, PA. 19023

## MEMORANDUM OF SHIPMENT

## SHIPPED TO

ATTN: WILLARD PRICE  
 MARINE CORPS BASE  
 BASE MAINTENANCE DIVISION  
 CAMP LEJEUNE, N.C. 28542

DATE 8-20-86

DATE SHIPPED 8-19-86

S. O. NO.

CUSTOMER'S ORDER NO.

CONTRACT 2093

FROM—

DARBY, PA

VIA—

UPS-BLUE

CAR

## MATERIAL

ONE (1) CARTON - TOTAL WEIGHT 3#

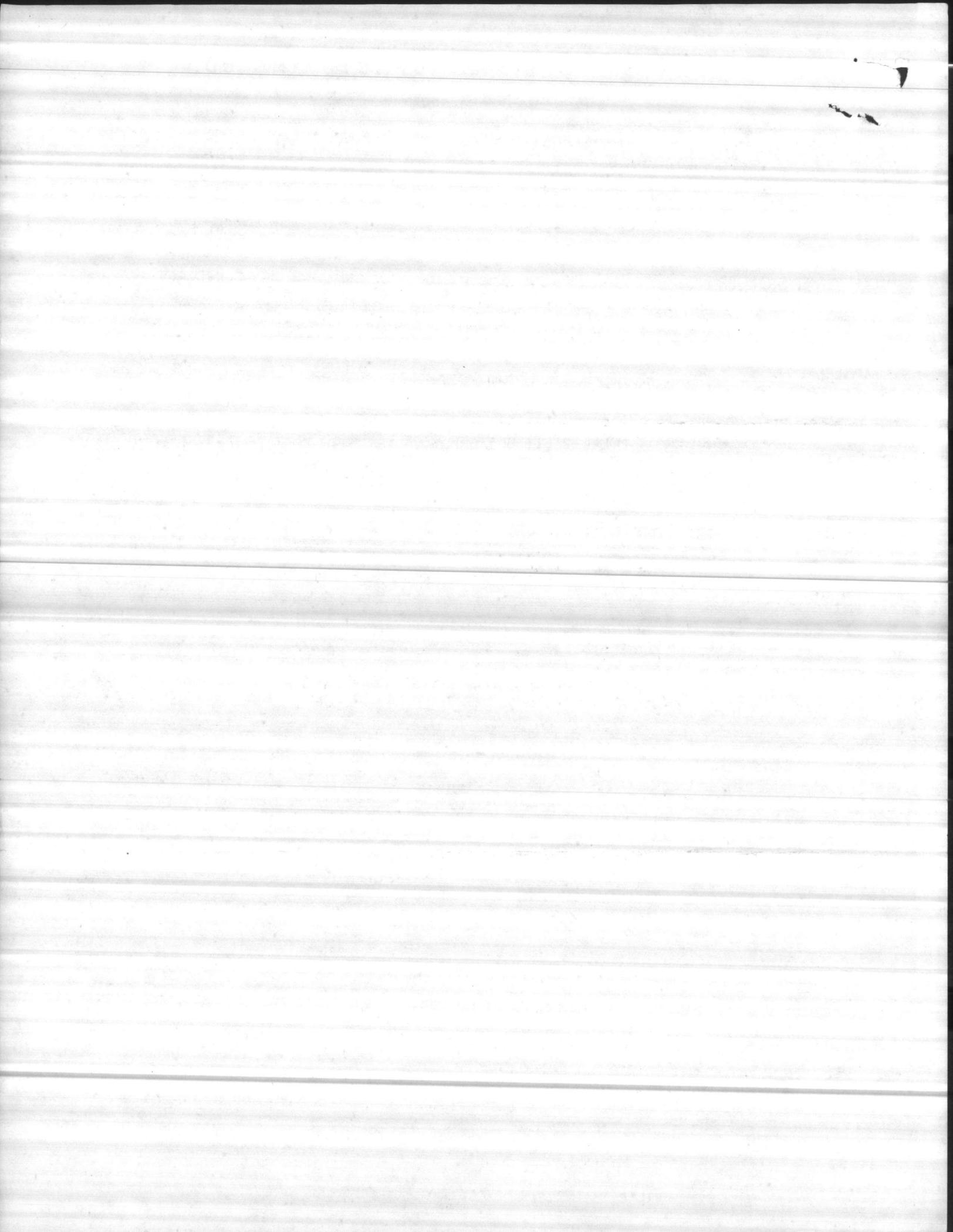
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 POSITAC ELECTRIC MOTOR OPERATOR. CONTROL SIGNAL 4 TO  
 20 MADC.

B/M #406 (PART OF)

REPAIRED UNITS BY PRATT.

HOLD FOR RONNEY BIC.





# Roberts

CABLE: WATERFILT PHILA.  
TELEX: 753-447

## FILTER MANUFACTURING COMPANY

P.O. BOX 167 • DARBY, PENNSYLVANIA 19023 • (215) 583-3131

April 14, 1986

Base Maintenance Division  
Utilities Branch  
P.O. Box 1202  
Camp LeJeune, NC 28542

Attention: Mr. Willard Price

Subject: Influent Sluice Gate Replacement

Gentlemen:

Pursuant to your telephone request, regarding the replacement of influent sluice gates, at your filter plant, we are pleased to quote as follows:

Remove two (2) 12" x 18" Hydraulically Operates Sluice Gates

Furnish and install two (2) 18 1/4" x 24 1/4" steel plates, for covering the existing sluice gate thimbles. Plates to be drilled to match the studs in the existing rectangular thimbles, with a 12" dia. hole in plate and required studs in plate for mounting a 12" flanged gate valve.

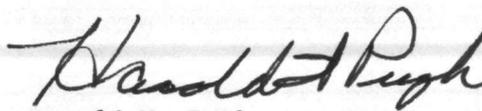
Furnish and install two (2) 12" flanged hydraulically operated gate valves.

Lump Sum Price - \$11,300.00 delivered and installed, including N.C. Sales Tax.

We appreciate the opportunity of quoting on your requirements, and if you have any questions, do not hesitate to contact us.

Very truly yours,

ROBERTS FILTER MFG. CO.



Harold W. Pugh

HWP/jas

CONFIDENTIAL

SECRET

TO: [Illegible]

FROM: [Illegible]

SUBJECT: [Illegible]

[Illegible text block]

[Illegible text block]

# Roberts

F I L T E R   M A N U F A C T U R I N G   C O M P A N Y  
P. O. BOX 167 • DARBY, PENNSYLVANIA 19023 • (215) 583-3131

October 13, 1986

United States Marine Corps  
Base Maintenance Division  
Marine Corps Base  
Camp Lejeune, NC 28542

Attention: Mr. W.M. Price

Reference: Camp Lejeune, NC  
Building 20  
RFMCO Contract: 2093

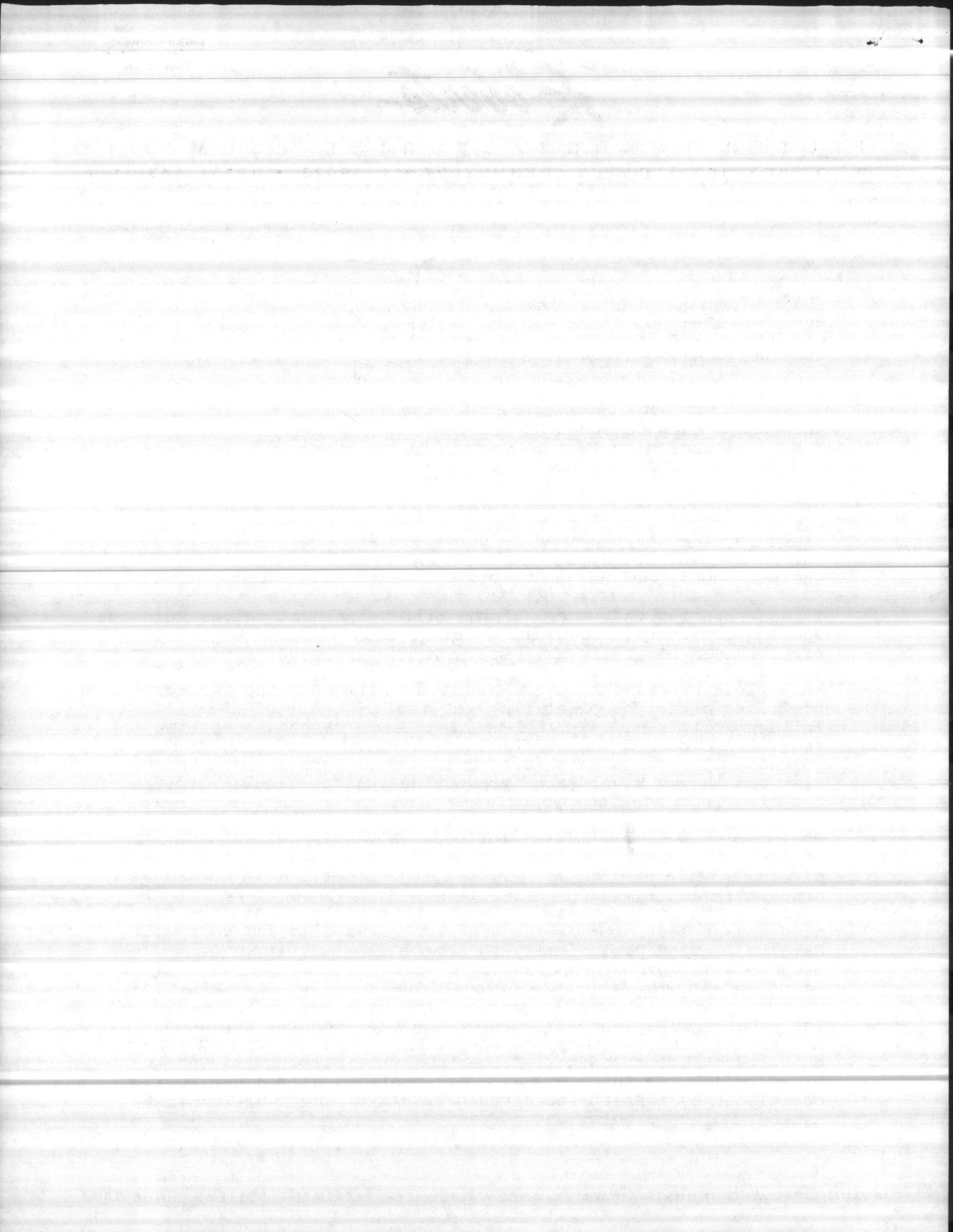
Gentlemen:

Field service was provided by our field engineer, Mr. Kurt Beyer, during the week of September 22, 1986 at the referenced jobsite. The work performed during this visit is summarized as follows:

It was reported that three of the filter influent valves were not sealing completely, allowing water to flow continuously. During a previous service visit the limit stops were adjusted on the valve cylinder which had no affect in correcting the problem. During this visit the valves were inspected in the open and closed positions after the plant flow was isolated. All of the filter influent valves have a build-up of calcium carbonate or lime on the valve disc and seat which is preventing a positive seal. The leakage occurs when an area of build-up sloughs off the valve disc and leaves a void area preventing that particular section of the disc from sealing properly.

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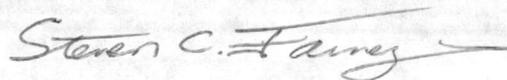


Camp Lejeune, NC  
Contract No. 2093

Page 2

Should you have any questions please do not hesitate to contact us.

Sincerely yours,



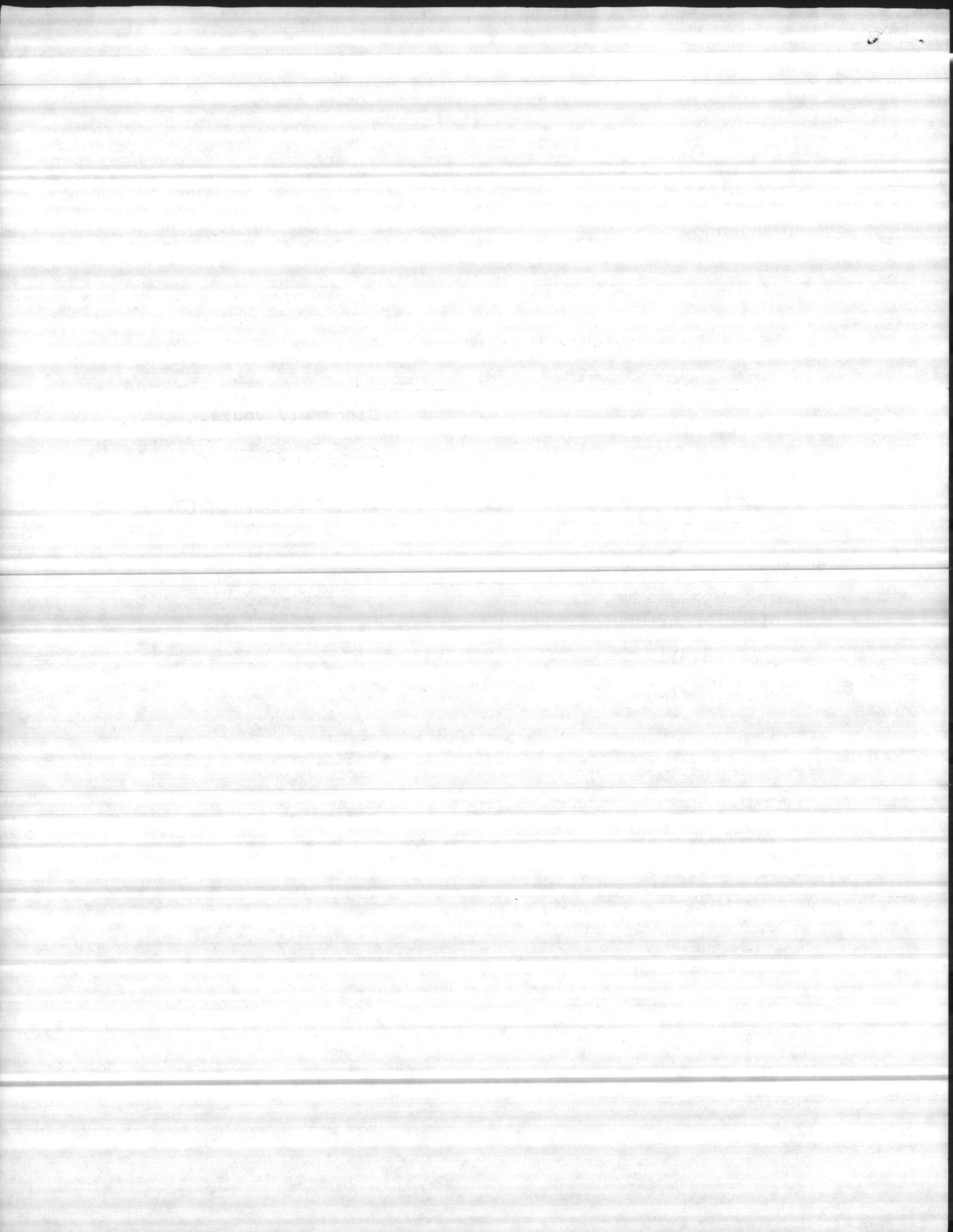
Steven C. Farney  
Service Coordinator

SCF:bp

cc: M.D. Hargas  
Director of Operations

Mac Frazell

Bruce Hoffman



11345  
MAIN

5 February 1987

Utilities Systems General Foreman  
Director, Utilities Branch

NPDES PERMIT FOR ONSLOW BEACH WATER TREATMENT BACKWASH POND

Ref: (a) Telcon btwn Ms. Pat Durrett, N.C. Dept of Human Resources & Comm. Develop.  
and myself on 26 Jan 87

1. Per the reference, Ms. Durrett noted a Discharge Permit for subject pond had not been requested by Marine Corps Base with the request for the Sewage Treatment Plant NPDES Permits. I called Mr. Bob Alexander, Environmental Engineer, Assistant Chief of Staff, Facilities and appraised him of the telephone conversation. Mr. Alexander stated he was aware that the subject permit had not been requested and that after the sewage permits were received, he would request the Onslow Beach permit.

2. This office assumes that the lack of a discharge permit to Onslow Beach Pond will not preclude the discharging of backwash water. If this assumption is incorrect, the operation of the Onslow Beach Treatment facility will be curtailed.

B. M. FRAZELLE, II

11345  
MAIL

Director, Wastewater Branch  
Utilities Systems General Fund

WINDS PERMIT FOR ONFLOW BEACH WATER TREATMENT BACKWASH POND

Re: (a) Letter from Mr. Pat Duvette, U.S. Dept. of Human Resources & Comm. Develop.  
and myself on 25 Jan 87

In the reference, Mr. Duvette noted a Discharge Permit for subject pond had not been requested by Marine Corps base with the request for the Sewage Treatment Plant (STP) Permit. I called Mr. Bob Alexander, Environmental Engineer, Assistant Chief of Staff, Facilities and appraised him of the telephone conversation. Mr. Alexander stated he was aware that the subject permit had not been requested and that when the sewage permit was received, he would request the Onflow Beach permit.

This office assumes that the lack of a discharge permit for Onflow Beach Pond will not preclude the discharging of backwash water. If this assumption is incorrect, the operation of the Onflow Beach Treatment Facility will be curtailed.

B. M. FRAZELLE, II