

ORDINANCE NO. 164

AN ORDINANCE RELATING TO CROSS CONNECTIONS AND BACKFLOW PREVENTERS WITHIN THE POTABLE WATER DISTRIBUTION SYSTEM OF THE CITY OF PORT ST. JOE; STATING ITS PURPOSE; ESTABLISHING THE RESPONSIBILITY; PROVIDING DEFINITIONS; SETTING FORTH REQUIREMENTS AND POLICIES; STATING CITY'S RIGHT TO REFUSE SERVICE; PROVIDING FOR PENALTY FOR VIOLATION, AND PROVIDING AN EFFECTIVE DATE.

BE IT ENACTED BY THE CITY OF PORT ST. JOE, FLORIDA:-

SECTION I. CROSS-CONNECTION GENERAL POLICY; DEFINITIONS.

- (A) **PURPOSE.** THE PURPOSE OF THIS SECTION IS TO:
- (1) PROTECT THE PUBLIC POTABLE WATER SUPPLY OF THE CITY FROM THE POSSIBILITY OF CONTAMINATION OR POLLUTION BY ISOLATING WITHIN ITS CUSTOMER'S PRIVATE WATER SYSTEM(S) SUCH CONTAMINANTS OR POLLUTANTS WHICH COULD BACKFLOW OR BACK-SIPHON INTO THE PUBLIC SUPPLY SYSTEM.
 - (2) PROMOTE THE ELIMINATION OR CONTROL OF EXISTING CROSS CONNECTIONS, ACTUAL OR POTENTIAL, BETWEEN ITS CUSTOMER'S IN-PLANT POTABLE WATER SYSTEM(S) AND NONPOTABLE WATER SYSTEMS, PLUMBING FIXTURES AND INDUSTRIAL PIPING SYSTEMS.
 - (3) PROVIDE FOR THE MAINTENANCE OF A CONTINUING PROGRAM OF CROSS CONNECTION WHICH WILL SYSTEMATICALLY AND EFFECTIVELY PREVENT THE CONTAMINATION OR POLLUTION OF ALL POTABLE WATER SYSTEMS.

(B) **RESPONSIBILITY.** THE DEPARTMENT SHALL BE RESPONSIBLE FOR PROTECTION OF THE PUBLIC POTABLE WATER DISTRIBUTION SYSTEM FROM CONTAMINATION OR POLLUTION DUE TO THE BACKFLOW OR BACK-SIPHONAGE OF CONTAMINANTS OR POLLUTANTS THROUGH THE SAID DEPARTMENT AN APPROVED BACKFLOW PREVENTION DEVICE IS REQUIRED AT THE CITY'S WATER SERVICE CONNECTION TO ANY CUSTOMER'S PREMISES FOR THE SAFETY OF THE WATER SYSTEM, THE SUPERVISOR OR HIS DESIGNATED AGENT SHALL GIVE NOTICE IN WRITING TO SAID CUSTOMER TO INSTALL SUCH AN APPROVED BACKFLOW PREVENTION DEVICE AT EACH SERVICE CONNECTION TO HIS PREMISES. THE CUSTOMER SHALL IMMEDIATELY INSTALL SUCH APPROVED DEVICE OR DEVICES AT HIS OWN EXPENSE; AND FAILURE, REFUSAL OR INABILITY ON THE PART OF THE CUSTOMER TO INSTALL SAID DEVICE OR DEVICES IMMEDIATELY SHALL CONSTITUTE A GROUND FOR DISCONTINUING WATER SERVICE TO THE PREMISES UNTIL SUCH DEVICE OR DEVICES HAVE BEEN PROPERLY INSTALLED.

(C) **DEFINITIONS.**

- (1) "SUPERVISOR": THE SUPERVISORS OF THE UTILITIES DEPARTMENT OF THE CITY ARE VESTED WITH THE AUTHORITY AND RESPONSIBILITY FOR THE IMPLEMENTATION OF AN EFFECTIVE CROSS CONNECTION CONTROL PROGRAM AND FOR THE ENFORCEMENT OF THE PROVISIONS OF THIS ARTICLE.
- (2) "APPROVED": ACCEPTED BY THE DEPARTMENT AS MEETING AN APPLICABLE SPECIFICATION STATED OR CITED IN THIS ARTICLE, OR AS SUITABLE FOR THE PROPOSED USE.
- (3) "AUXILIARY WATER SUPPLY": ANY WATER SUPPLY ON OR AVAILABLE TO THE PREMISES OTHER THAN THE PURVEYOR'S APPROVED PUBLIC POTABLE WATER SUPPLY. THESE AUXILIARY WATERS MAY INCLUDE WATER FROM ANOTHER PURVEYOR'S PUBLIC POTABLE WATER SUPPLY OR ANY NATURAL SOURCE(S) SUCH AS A WELL, SPRING, RIVER, STREAM, HARBOR, ETC., OR "USED WATERS" OR "INDUSTRIAL FLUIDS." THESE WATERS MAY BE POLLUTED OR CONTAMINATED OR THEY MAY BE OBJECTIONABLE AND CONSTITUTED AN UNACCEPTABLE WATER SOURCE OVER WHICH THE WATER PURVEYOR DOES NOT HAVE SANITARY CONTROL.
- (4) "BACKFLOW": THE FLOW OF WATER OR OTHER LIQUIDS, MIXTURES OR SUBSTANCES INTO THE DISTRIBUTING PIPES OR A POTABLE WATER SUPPLY SYSTEM FROM ANY SOURCE OTHER THAN ITS INTENDED SOURCE CAUSED BY THE SUDDEN REDUCTION OF PRESSURE IN THE POTABLE WATER SUPPLY SYSTEM.
- (5) "BACK-SIPHONAGE": THE FLOW OF WATER OR OTHER LIQUIDS, MIXTURES OR SUBSTANCES INTO THE DISTRIBUTING PIPES OF A POTABLE WATER SUPPLY SYSTEM FROM ANY SOURCE OTHER THAN ITS INTENDED SOURCE CAUSED BY THE SUDDEN REDUCTION OF PRESSURE IN THE POTABLE WATER SUPPLY SYSTEM.
- (6) "BACKFLOW PREVENTER": A DEVICE OR MEANS DESIGNED TO PREVENT BACKFLOW OR BACK-SIPHONAGE.
 - A. AIR-GAP: THE UNOBSTRUCTED VERTICAL DISTANCE THROUGH THE FREE ATMOSPHERE BETWEEN THE LOWEST OPENING FROM ANY PIPE OR FAUCET SUPPLYING WATER TO A TANK, PLUMBING FIXTURE, OR OTHER DEVICE AND THE FLOOD LEVEL RIM OF SAID VESSEL. AN APPROVED AIR-

GAP SHALL BE AT LEAST DOUBLE THE DIAMETER OF THE SUPPLY PIPE, MEASURED VERTICALLY, ABOVE THE TOP OF THE RIM OF THE VESSEL; AND, IN NO CASE LESS THAN ONE INCH. WHEN AN AIR-GAP IS USED AT THE SERVICE CONNECTION TO PREVENT THE CONTAMINATION OR POLLUTION OF THE PUBLIC POTABLE WATER SYSTEM; AN EMERGENCY BY-PASS SHALL BE INSTALLED AROUND THE AIR-GAP SYSTEM AND AN APPROVED REDUCED PRESSURE PRINCIPLE DEVICE SHALL BE INSTALLED IN THE BY-PASS SYSTEM.

- B. REDUCED PRESSURE PRINCIPLE DEVICE: AN ASSEMBLY OF TWO (2) INDEPENDENTLY OPERATING APPROVED CHECK VALVES WITH AN AUTOMATICALLY OPERATING DIFFERENTIAL RELIEF VALVE BETWEEN THE TWO (2) CHECK VALVES, TIGHTLY CLOSING SHUT-OFF VALVES ON EITHER SIDE OF THE CHECK VALVES, PLUS PROPERLY LOCATED TEST COCKS FOR THE TESTING OF THE CHECK AND RELIEF VALVES. THE ENTIRE ASSEMBLY SHALL MEET THE DESIGN AND PERFORMANCE SPECIFICATIONS AND APPROVAL OF A RECOGNIZED AND CITY APPROVED TESTING AGENCY FOR BACKFLOW PREVENTION ASSEMBLIES. THE DEVICE SHALL OPERATE TO MAINTAIN THE PRESSURES IN THE ZONE BETWEEN THE TWO (2) CHECK VALVES AT A LEVEL LESS THAN THE PRESSURE ON THE PUBLIC WATER SUPPLY SIDE OF THE DEVICE. AT CESSATION OF NORMAL FLOW, THE PRESSURE BETWEEN THE TWO (2) CHECK VALVES SHALL BE LESS THAN THE PRESSURE ON THE PUBLIC WATER SUPPLY SIDE OF THE DEVICE. IN CASE OF LEAKAGE OF EITHER OF THE VALVES THE DIFFERENTIAL RELIEF VALVE SHALL OPERATE TO MAINTAIN THE REDUCED PRESSURE IN THE ZONE BETWEEN THE CHECK VALVES BY DISCHARGING TO THE ATMOSPHERE. WHEN THE INLET PRESSURE IS TWO (2) POUNDS PER SQUARE INCH OR LESS, THE RELIEF VALVE SHALL OPEN TO THE ATMOSPHERE. TO BE APPROVED, THESE DEVICES MUST BE READILY ACCESSIBLE FOR IN-LINE MAINTENANCE AND TESTING AND BE INSTALLED IN A LOCATION WHERE NO PART OF THE DEVICE SHALL BE SUBMERGED.
- C. DOUBLE CHECK VALVE ASSEMBLY: AN ASSEMBLY OF TWO (2) INDEPENDENTLY OPERATING APPROVED CHECK VALVES WITH TIGHTLY CLOSING SHUT-OFF VALVES ON EACH SIDE OF THE CHECK VALVES, PLUS PROPERLY LOCATED TEST COCKS FOR THE TESTING OF EACH VALVE. THE ENTIRE ASSEMBLY SHALL MEET THE DESIGN AND PERFORMANCE SPECIFICATIONS AND APPROVAL OF THE RECOGNIZED AND CITY APPROVED TESTING AGENCY FOR BACKFLOW PREVENTION DEVICES. TO BE APPROVED THESE DEVICES MUST BE READILY ACCESSIBLE FOR IN-LINE MAINTENANCE AND TESTING.
- (7) "CONTAMINATION": AN IMPAIRMENT OF THE QUALITY OF THE POTABLE WATER BY SEWAGE, INDUSTRIAL FLUIDS OR WASTE LIQUIDS, COMPOUNDS OR OTHER MATERIALS TO A DEGREE WHICH CREATES AN ACTUAL HAZARD TO THE PUBLIC HEALTH THROUGH POISONING OR THROUGH THE SPREAD OF DISEASE.
- (8) "CROSS-CONNECTION": ANY PHYSICAL CONNECTION OR ARRANGEMENT OF PIPING OR FIXTURES BETWEEN TWO (2) OTHERWISE SEPARATE PIPING SYSTEMS ONE OF WHICH CONTAINS POTABLE WATER AND THE OTHER NONPOTABLE WATER OR INDUSTRIAL FLUIDS OF QUESTIONABLE SAFETY, THROUGH WHICH, OR BECAUSE OF WHICH, BACKFLOW OR BACK-SIPHONAGE MAY OCCUR INTO THE POTABLE WATER SYSTEM. A WATER SERVICE CONNECTION BETWEEN A PUBLIC POTABLE WATER DISTRIBUTION SYSTEM AND A CUSTOMER'S WATER DISTRIBUTION SYSTEM IS CROSS-CONNECTED TO A CONTAMINATED FIXTURE, INDUSTRIAL FLUID SYSTEM OR WITH A POTENTIALLY CONTAMINATED SUPPLY OR AUXILIARY WATER SYSTEM, CONSTITUTES ONE TYPE OF CROSS-CONNECTION. OTHER TYPES OF CROSS-CONNECTIONS INCLUDE CONNECTORS SUCH AS SWING CONNECTIONS, REMOVABLE SECTIONS, FOUR-WAY PLUG VALVES, SPOOLS, DUMMY SECTIONS OF PIPE, SWIVEL OR CHANGE-OVER DEVICES, SLIDING MULTIPORT TUBE, SOLID CONNECTIONS, ETC.
- (9) "CROSS-CONNECTIONS, CONTROLLED": A CONNECTION BETWEEN A POTABLE WATER SYSTEM AND A NONPOTABLE WATER SYSTEM WITH AN APPROVED BACKFLOW PREVENTION DEVICE PROPERLY INSTALLED THAT WILL CONTINUOUSLY AFFORD THE PROTECTION COMMENSURATE WITH THE DEGREE OF HAZARD.
- (10) "CROSS-CONNECTION CONTROL BY CONTAINMENT": THE INSTALLATION OF AN APPROVED BACKFLOW PREVENTION DEVICE AT THE WATER SERVICE CONNECTION TO ANY CUSTOMER'S PREMISES WHERE IT IS PHYSICALLY AND ECONOMICALLY INFEASIBLE TO FIND AND PERMANENTLY ELIMINATE OR CONTROL ALL ACTUAL OR POTENTIAL CROSS-CONNECTIONS WITHIN THE CUSTOMER'S WATER SYSTEM, OR, IT SHALL MEAN THE INSTALLATION OF AN APPROVED BACKFLOW PREVENTION

DEVICE ON THE SERVICE LINE LEADING TO AND SUPPLYING A PORTION OF A CUSTOMER'S WATER SYSTEM WHERE THERE ARE ACTUAL OR POTENTIAL CROSS-CONNECTIONS WHICH CANNOT BE EFFECTIVELY ELIMINATED OR CONTROLLED AT THE POINT OF CROSS-CONNECTION.

- (11) "HAZARD, DEGREE OF": THE TERM IS DERIVED FROM AN EVALUATION OF THE POTENTIAL RISK TO PUBLIC HEALTH AND THE ADVERSE EFFECT OF THE HAZARD UPON THE POTABLE WATER SYSTEM.
- A. HAZARD, HEALTH: ANY CONDITIONS, DEVICE, OR PRACTICE IN THE WATER SUPPLY SYSTEM AND ITS OPERATION WHICH COULD CREATE, OR IN THE JUDGMENT OF THE DEPARTMENT MAY CREATE A DANGER TO THE HEALTH AND WELL-BEING OF THE WATER CONSUMER. AN EXAMPLE OF A HEALTH HAZARD IS A STRUCTURAL DEFECT, INCLUDING CROSS-CONNECTIONS, IN A WATER SUPPLY SYSTEM.
 - B. HAZARD, PLUMBING: A PLUMBING TYPE CROSS-CONNECTION IN A CONSUMER'S POTABLE WATER SYSTEM THAT HAS NOT BEEN PROPERLY PROTECTED BY A VACUUM BREAKER, AIR-GAP SEPARATION OR BACKFLOW PREVENTION DEVICE. UNPROTECTED PLUMBING TYPE CROSS-CONNECTIONS ARE CONSIDERED TO BE A HEALTH HAZARD.
 - C. HAZARD, POLLUTIONAL: AN ACTUAL OR POTENTIAL THREAT TO THE PHYSICAL PROPERTIES OF THE WATER SYSTEM OR TO THE POTABILITY OF THE PUBLIC OR THE CONSUMER'S POTABLE WATER SYSTEM BUT WHICH WOULD CONSTITUTE A NUISANCE OR BE AESTHETICALLY OBJECTIONABLE OR COULD CAUSE DAMAGE TO THE SYSTEM OR ITS APPURTENANCES, BUT WOULD NOT BE DANGEROUS TO HEALTH.
 - D. HAZARD, SYSTEM: AN ACTUAL OR POTENTIAL THREAT OF SEVERE DAMAGE TO THE PHYSICAL PROPERTIES OF THE PUBLIC POTABLE WATER SYSTEM OR THE CONSUMER'S POTABLE WATER SYSTEM OR OF A POLLUTION OR CONTAMINATION WHICH WOULD HAVE A PROTRACTED EFFECT ON THE QUALITY OF THE POTABLE WATER IN THE SYSTEM.
- (12) "INDUSTRIAL FLUIDS SYSTEM": ANY SYSTEM CONTAINING A FLUID OR SOLUTION WHICH MAY BE CHEMICALLY, BIOLOGICALLY OR OTHERWISE CONTAMINATED OR POLLUTED IN A FORM OR CONCENTRATION WHICH AS WOULD CONSTITUTE A HEALTH, SYSTEM, POLLUTIONAL OR PLUMBING HAZARD IF INTRODUCED INTO AN APPROVED WATER SUPPLY. THIS MAY INCLUDE, BUT NOT BE LIMITED TO: POLLUTED OR CONTAMINATED WATERS; ALL TYPES OF PROCESS WATERS AND "USED WATERS" ORIGINATED FROM THE PUBLIC POTABLE WATER SYSTEM WHICH MAY HAVE DETERIORATED IN SANITARY QUALITY; CHEMICALS IN FLUID FORM; PLATING ACIDS AND ALKALIES; CIRCULATED COOLING WATERS CONNECTED TO AN OPEN COOLING TOWER AND/OR COOLING TOWERS THAT ARE CHEMICALLY OR BIOLOGICALLY TREATED OR STABILIZED WITH TOXIC SUBSTANCES; CONTAMINATED NATURAL WATERS SUCH AS FROM WELLS, SPRINGS, STREAMS, RIVERS, BAYS, HARBORS, SEAS, IRRIGATION CANALS OR SYSTEMS, ETC.; OILS, GASES, GLYCERINE, PARAFFINS, CAUSTIC AND ACID SOLUTIONS AND OTHER LIQUID AND GASEOUS FLUIDS USED IN INDUSTRIAL OR OTHER PURPOSES OR FOR FIRE-FIGHTING PURPOSES.
- (13) "POLLUTION": MEANS THE PRESENCE OF ANY FOREIGN SUBSTANCE (ORGANIC, INORGANIC, OR BIOLOGICAL) IN WATER WHICH TENDS TO DEGRADE ITS QUALITY SO AS TO CONSTITUTE A HAZARD OR IMPAIR THE USEFULNESS OR QUALITY OF THE WATER TO A DEGREE WHICH DOES NOT CREATE AN ACTUAL HAZARD TO THE PUBLIC HEALTH BUT WHICH DOES ADVERSELY AND UNREASONABLE AFFECT SUCH WATERS FOR DOMESTIC USE.
- (14) "WATER, POTABLE": ANY WATER WHICH, ACCORDING TO RECOGNIZED STANDARDS, IS SAFE FOR HUMAN CONSUMPTION.
- (15) "WATER, NONPOTABLE": WATER WHICH IS NOT SAFE FOR HUMAN CONSUMPTION OR WHICH IS OF QUESTIONABLE POTABILITY.
- (16) "WATER, SERVICE CONNECTIONS": THE TERMINAL END OF A SERVICE CONNECTION FROM THE PUBLIC POTABLE WATER SYSTEM, I.E., WHERE THE WATER PURVEYOR LOSES JURISDICTION AND SANITARY CONTROL OVER THE WATER AT ITS POINT OF DELIVERY TO THE CUSTOMER'S WATER SYSTEM: IF A METER IS INSTALLED AT THE END OF THE SERVICE CONNECTION, THEN THE SERVICE CONNECTION SHALL MEAN THE DOWNSTREAM END OF THE METER. THERE SHOULD BE NO UNPROTECTED TAKEOFFS FROM THE SERVICE LINE AHEAD OF ANY METER OR BACKFLOW PREVENTION DEVICE LOCATED AT THE POINT OF DELIVERY TO THE CUSTOMER'S WATER SYSTEM. SERVICE CONNECTION SHALL ALSO INCLUDE WATER SERVICE CONNECTION FROM A FIRE HYDRANT AND ALL OTHER TEMPORARY OR EMERGENCY WATER SERVICE CONNECTIONS FROM THE PUBLIC POTABLE WATER SYSTEM.
- (17) "WATER, USED": ANY WATER SUPPLIED BY A WATER PURVEYOR

FROM A PUBLIC POTABLE WATER SYSTEM TO A CONSUMER'S WATER SYSTEM AFTER IT HAS PASSED THROUGH THE POINT OF DELIVERY AND IS NO LONGER UNDER THE SANITARY CONTROL OF THE WATER PURVEYOR.

SECTION 2. SAME - REQUIREMENTS.

(A) WATER SYSTEM.

- (1) THE WATER SYSTEM SHALL BE CONSIDERED AS MADE OF TWO (2) PARTS: THE UTILITY SYSTEM AND THE CUSTOMER SYSTEM. (2) THE UTILITY SYSTEM SHALL CONSIST OF THE SOURCE FACILITIES AND THE DISTRIBUTION SYSTEM; AND SHALL INCLUDE ALL THOSE FACILITIES OF THE WATER SYSTEM UNDER THE COMPLETE CONTROL OF THE UTILITY, UP TO THE POINT WHERE THE CUSTOMER'S SYSTEM BEGINS.
- (3) THE SOURCE SHALL INCLUDE ALL COMPONENTS OF THE FACILITIES UTILIZED IN THE PRODUCTION, TREATMENT, STORAGE, AND DELIVERY OF WATER TO THE DISTRIBUTION SYSTEM.
- (4) THE DISTRIBUTION SYSTEM INCLUDES THE NETWORK OF CONDUITS USED FOR THE DELIVERY OF WATER FROM THE SOURCE TO THE CUSTOMER'S SYSTEM.
- (5) THE CUSTOMER'S SYSTEM SHALL INCLUDE THOSE PARTS OF THE FACILITIES BEYOND THE TERMINATION OF THE UTILITY DISTRIBUTION SYSTEM WHICH ARE UTILIZED IN CONVEYING UTILITY-DELIVERED DOMESTIC WATER TO POINTS OF USE.

(B) POLICY.

- (1) NO WATER SERVICE CONNECTION TO ANY PREMISES SHALL BE INSTALLED OR MAINTAINED BY THE WATER PURVEYOR UNLESS THE WATER SUPPLY IS PROTECTED AS REQUIRED BY STATE LAWS AND REGULATIONS AND THIS ORDINANCE. SERVICE OF WATER TO ANY PREMISES SHALL BE DISCONTINUED BY THE WATER PURVEYOR IF A BACKFLOW PREVENTION DEVICE REQUIRED BY THIS ORDINANCE IS NOT INSTALLED, OR IF IT IS FOUND THAT A BACKFLOW PREVENTION DEVICE HAS BEEN REMOVED, BYPASSED, OR IF AN UNPROTECTED CROSS-CONNECTION EXISTS ON THE PREMISES. SERVICE WILL NOT BE RESTORED UNTIL SUCH CONDITIONS OR DEFECTS ARE CORRECTED.
- (2) THE CUSTOMER'S SYSTEM SHOULD BE OPEN FOR INSPECTION AT ALL REASONABLE TIMES TO AUTHORIZED REPRESENTATIVES OF THE DEPARTMENT TO DETERMINE WHETHER CROSS-CONNECTIONS OR OTHER STRUCTURAL OR SANITARY HAZARDS, INCLUDING VIOLATIONS OF THESE REGULATIONS EXIST. WHEN SUCH A CONDITION BECOMES KNOWN, THE DEPARTMENT SHALL DENY OR IMMEDIATELY DISCONTINUE SERVICE TO THE PREMISES BY PROVIDING FOR A PHYSICAL BREAK IN THE SERVICE LINE UNTIL THE CUSTOMER HAS CORRECTED THE CONDITION(S) IN CONFORMANCE WITH STATE AND CITY STATUTES RELATING TO PLUMBING AND WATER SUPPLIES AND THE REGULATIONS ADOPTED PURSUANT THERETO.
- (3) AN APPROVED BACKFLOW PREVENTION DEVICE SHALL ALSO BE INSTALLED ON EACH SERVICE LINE TO A CUSTOMER'S WATER SYSTEM AT OR NEAR THE PROPERTY LINE OR IMMEDIATELY INSIDE THE BUILDING BEING SERVED; BUT IN ALL CASES, BEFORE THE FIRST BRANCH LINE LEADING OFF THE SERVICE LINE WHEREVER THE FOLLOWING CONDITIONS EXIST:
 - A. IN THE CASE OF PREMISES HAVING AN AUXILIARY WATER SUPPLY WHICH IS NOT OR MAY NOT BE OF SAFE BACTERIOLOGICAL OR CHEMICAL QUALITY AND WHICH IS NOT ACCEPTABLE AS AN ADDITIONAL SOURCE BY THE DEPARTMENT, THE PUBLIC WATER SYSTEM SHALL BE PROTECTED AGAINST BACKFLOW FROM THE PREMISES BY INSTALLING A BACKFLOW PREVENTION DEVICE IN THE SERVICE LINE APPROPRIATE TO THE DEGREE OF HAZARD.
 - B. IN THE CASE OF PREMISES ON WHICH ANY INDUSTRIAL FLUIDS OR ANY OTHER OBJECTIONABLE SUBSTANCE IS HANDLED IN SUCH A FASHION AS TO CREATE AN ACTUAL OR POTENTIAL HAZARD TO THE PUBLIC WATER SYSTEM, THE PUBLIC SYSTEM SHALL BE PROTECTED AGAINST BACKFLOW FROM THE PREMISES BY INSTALLING A BACKFLOW PREVENTION DEVICE IN THE SERVICE LINE APPROPRIATE TO THE DEGREE OF HAZARD. THIS SHALL INCLUDE THE HANDLING OF PROCESS WATERS AND WATERS ORIGINATING FROM THE UTILITY SYSTEM WHICH HAVE BEEN SUBJECT TO DETERIORATION IN QUALITY.

- C. IN THE CASE OF PREMISES HAVING ONE (1) INTERNAL CROSS-CONNECTION THAT CANNOT BE PERMANENTLY CORRECTED AND CONTROLLED, OR TWO (2) INTRICATE PLUMBING AND PIPING ARRANGEMENTS OF WHERE ENTRY TO ALL PORTIONS OF THE PREMISES IS NO READILY ACCESSIBLE FOR INSPECTION PURPOSES, MAKING IT IMPRACTICABLE OR IMPOSSIBLE TO ASCERTAIN WHETHER OR NOT DANGEROUS CROSS-CONNECTIONS EXIST, THE PUBLIC WATER SYSTEM SHALL BE PROTECTED AGAINST BACKFLOW FROM THE PREMISES BY INSTALLING A BACKFLOW PREVENTION DEVICE IN THE SERVICE LINE.
- (4) THE TYPE OF PROTECTIVE DEVICE REQUIRED UNDER THIS ORDINANCE SHALL DEPEND UPON THE DEGREE OF HAZARD WHICH EXISTS AS FOLLOWS:
- A. IN THE CASE OF ANY PREMISES WHERE THERE IS AN AUXILIARY WATER SUPPLY AS STATED IN THIS ORDINANCE AND IT IS NOT SUBJECT TO ANY OF THE FOLLOWING RULES, THE PUBLIC WATER SYSTEM SHALL BE PROTECTED BY AN APPROVED AIR-GAP SEPARATION OR AN APPROVED REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTION DEVICE.
- B. IN THE CASE OF ANY PREMISES WHERE THERE IS WATER OR SUBSTANCE THAT WOULD BE OBJECTIONABLE BUT NOT HAZARDOUS TO HEALTH, IF INTRODUCED INTO THE PUBLIC WATER SYSTEM, THE PUBLIC WATER SYSTEM SHALL BE PROTECTED BY AN APPROVED DOUBLE CHECK VALVE ASSEMBLY.
- C. IN THE CASE OF ANY PREMISES WHERE THERE IS ANY MATERIAL DANGEROUS TO HEALTH WHICH IS HANDLED IN SUCH A FASHION AS TO CREATE AN ACTUAL OR POTENTIAL HAZARD TO THE PUBLIC WATER SYSTEM, THE PUBLIC WATER SYSTEM SHALL BE PROTECTED BY AN APPROVED AIR-GAP SEPARATION OR AN APPROVED REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTION DEVICE. EXAMPLES OF PREMISES WHERE THESE CONDITIONS WILL EXIST INCLUDE SEWAGE TREATMENT PLANTS, SEWAGE PUMPING STATIONS, CHEMICAL MANUFACTURING PLANTS, HOSPITALS, MORTUARIES AND PLATING PLANTS.
- D. IN THE CASE OF ANY PREMISES WHERE THERE ARE "UNCONTROLLED" CROSS-CONNECTIONS, EITHER ACTUAL OR POTENTIAL, THE PUBLIC WATER SYSTEM SHALL BE PROTECTED BY AN APPROVED AIR-GAP SEPARATION OR AN APPROVED REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTION DEVICE AT THE SERVICE CONNECTION.
- E. IN THE CASE OF ANY PREMISES WHERE, BECAUSE OF SECURITY REQUIREMENTS OR OTHER PROHIBITIONS OR RESTRICTIONS, IT IS IMPOSSIBLE OR IMPRACTICAL TO MAKE A COMPLETE IN-PLANT CROSS-CONNECTION SURVEY, THE PUBLIC WATER SYSTEM SHALL BE PROTECTED AGAINST BACKFLOW OR BACK-SIPHONAGE FROM THE PREMISES BY THE INSTALLATION OF A BACKFLOW PREVENTION DEVICE IN THE SERVICE LINE. IN THIS CASE, MAXIMUM PROTECTION WILL BE REQUIRED; THAT IS AN APPROVED AIR-GAP SEPARATION OR AN APPROVED REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTION DEVICE SHALL BE INSTALLED IN EACH SERVICE TO THE PREMISES.
- (5) ANY BACKFLOW PREVENTION DEVICE REQUIRED HEREIN SHALL BE OF A MODEL AND SIZE APPROVED BY THE DEPARTMENT. THE TERM "APPROVED BACKFLOW PREVENTION DEVICE" THAT HAS BEEN MANUFACTURED IN FULL CONFORMANCE WITH THE STANDARDS ESTABLISHED BY THE AMERICAN WATER WORKS ASSOCIATION ENTITLED: "AWWA C506-69. STANDARDS FOR REDUCED PRESSURE PRINCIPLE AND DOUBLE CHECK VALVE BACKFLOW PREVENTION DEVICES," AND, HAVE MET COMPLETELY THE LABORATORY AND FIELD PERFORMANCE SPECIFICATIONS OF THE FOUNDATION FOR CROSS-CONNECTION CONTROL AND HYDRAULIC RESEARCH OF THE UNIVERSITY OF SOUTHERN CALIFORNIA ESTABLISHED BY: "SPECIFICATIONS OF BACKFLOW PREVENTION DEVICES - #69-2," DATED MARCH, 1969, OR THE MOST CURRENT ISSUE. SAID AWWA AND FCC&HR STANDARDS AND SPECIFICATIONS HAVE BEEN ADOPTED BY THE DEPARTMENT. FINAL APPROVAL SHALL BE EVIDENCED BY A "CERTIFICATE OF APPROVAL" ISSUED BY AN APPROVED TESTING LABORATORY CERTIFYING FULL

COMPLIANCE WITH SAID AWWA STANDARDS AND FCC&HR SPECIFICATIONS. THE FOLLOWING TESTING LABORATORY HAS BEEN QUALIFIED BY THE DEPARTMENT TO TEST AND CERTIFY BACKFLOW PREVENTERS: "FOUNDATION FOR CROSS-CONNECTION CONTROL AND HYDRAULIC RESEARCH"; "UNIVERSITY OF SOUTHERN CALIFORNIA"; "UNIVERSITY OF SOUTHERN CALIFORNIA"; "UNIVERSITY PARK"; LOS ANGELES, CALIFORNIA 90007. TESTING LABORATORIES OTHER THAN THE LABORATORY LISTED ABOVE, WILL BE ADDED TO AN APPROVED LIST AS THEY ARE QUALIFIED BY THE DEPARTMENT. BACKFLOW PREVENTERS WHICH MAY BE SUBJECTED TO BACK PRESSURE OR BACK-SIPHONAGE THAT HAVE BEEN FULLY TESTED AND HAVE BEEN GRANTED A CERTIFICATE OF APPROVAL BY SAID QUALIFIED LABORATORY AND ARE LISTED ON THE LABORATORY'S CURRENT LIST OF "APPROVED DEVICES" MAY BE USED WITHOUT FURTHER TEST OR QUALIFICATION.

- (6) IT SHALL BE THE DUTY OF THE CUSTOMER-USER AT ANY PREMISES WHERE BACKFLOW PREVENTION DEVICES ARE INSTALLED TO HAVE CERTIFIED INSPECTIONS AND OPERATIONAL TESTS MADE AT LEAST ONCE PER YEAR. IN THOSE INSTANCES WHERE THE SUPERVISOR DEEMS THE HAZARD TO BE GREAT ENOUGH HE MAY REQUIRE CERTIFIED INSPECTIONS AT MORE FREQUENT INTERVALS. THESE INSPECTIONS AND TESTS SHALL BE AT THE EXPENSE OF THE WATER USER AND SHALL BE PERFORMED BY THE DEVICE MANUFACTURER'S REPRESENTATIVE, BY DEPARTMENT PERSONNEL OR BY A CERTIFIED TESTER APPROVED BY THE SUPERVISOR. IT SHALL BE THE DUTY OF THE SUPERVISOR TO SEE THAT THESE TIMELY TESTS ARE MADE. THE CUSTOMER-USER SHALL NOTIFY THE DEPARTMENT IN ADVANCE WHEN THE TESTS ARE TO BE UNDERTAKEN SO THAT HE OR HIS REPRESENTATIVE MAY WITNESS THE TESTS IF IT IS SO DESIRED. THESE DEVICES SHALL BE REPAIRED, OVERHAULED OR REPLACED AT THE EXPENSE OF THE CUSTOMER-USER WHENEVER SAID DEVICES ARE FOUND TO BE DEFECTIVE. RECORDS OF SUCH TESTS, REPAIRS, AND OVERHAUL SHALL BE KEPT AND MADE AVAILABLE TO THE DEPARTMENT.
- (7) ALL PRESENTLY INSTALLED BACKFLOW PREVENTION DEVICES WHICH DO NOT MEET THE REQUIREMENTS OF THIS SECTION, BUT WERE APPROVED DEVICES FOR THE PURPOSES DESCRIBED HEREIN AT THE TIME OF INSTALLATION AND WHICH HAVE BEEN MAINTAINED, SHALL, EXCEPT FOR THE INSPECTION AND MAINTENANCE REQUIREMENTS UNDER SUBSECTION (B)(1), BE EXCLUDED FROM THE REQUIREMENTS OF THESE RULES SO LONG AS THE DEPARTMENT IS ASSURED THAT THEY WILL SATISFACTORILY PROTECT THE UTILITY SYSTEM. WHENEVER THE EXISTING DEVICE IS MOVED FROM THE PRESENT LOCATION OR REQUIRES MORE THAN MINIMUM MAINTENANCE CONSTITUTES A HAZARD TO HEALTH, THE UNIT SHALL BE REPLACED BY A BACKFLOW PREVENTION DEVICE MEETING THE REQUIREMENTS OF THIS SECTION.

CITY'S RIGHT TO REFUSE SERVICE.

THE CITY SHALL REFUSE TO SUPPLY WATER SERVICE TO ANY CUSTOMER OR STRUCTURE WHICH DOES NOT COMPLY WITH THE REQUIREMENTS OF THIS ORDINANCE. NO WATER DISTRIBUTION SYSTEM WHICH RECEIVES ITS WATER SUPPLY FROM THE CITY SHALL PERMIT ANY CUSTOMER OR STRUCTURE TO CONNECT WITH SUCH WATER DISTRIBUTION SYSTEM IN VIOLATION OF THIS ORDINANCE.

PENALTY FOR VIOLATION.

ANY PERSON VIOLATING ANY OF THE PROVISIONS OF THIS ORDINANCE OR FAILING TO COMPLY THEREWITH SHALL BE DEEMED GUILTY OF A MISDEMEANOR AND SHALL BE PUNISHED BY A FINE OF NOT LESS THAN ONE DOLLAR (\$1.00) NOR MORE THAN FIVE HUNDRED DOLLARS (\$500.00), OR BY IMPRISONMENT IN THE JAIL FOR A PERIOD OF NOT EXCEEDING SIXTY (60) DAYS OR BY BOTH SUCH FINE AND IMPRISONMENT AT THE DISCRETION OF THE JUDGE TRYING THE CASE. EACH DAY ANY SUCH VIOLATION SHALL CONTINUE SHALL CONSTITUTE A SEPARATE OFFENSE.

SECTION 3. THIS ORDINANCE SHALL TAKE EFFECT AS PROVIDED BY LAW. INTRODUCED IN THE REGULAR MEETING OF THE CITY COMMISSION ON THE 18TH DAY OF MARCH, 1986, AND ADOPTED AND PASSED BY THE CITY COMMISSION ON THE 1ST DAY OF APRIL, 1986.

THE CITY OF PORT ST. JOE, FLORIDA

BY: /S/ FRANK PATE, JR. MAYOR-COMMISSIONER

ATTEST: /S/ L. A. FARRIS
AUDITOR-CLERK