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DOCKET NO.: 961321-WS - [Point Water and Sewer, Inc.]

WITNESS: Direct Testimony of Lynal DeFalco, Florida Department of Environmental Protection, Appearing on Behalf of the Florida Public Service Commission

DATE FILED: May 19, 1997

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EPSC-RECORDS/REPORTING

DIRECT TESTIMONY OF LYNAL DEFALCO

1 |  
2 | Q. Please state your name and business address.

3 | A. Ms. Lynal DeFalco, Florida Department of Environmental Protection,  
4 | 7825 Baymeadows Way, Suite 200-B, Jacksonville, FL 32256-7577.

5 | Q. Please state a brief description of your educational background and  
6 | experience.

7 | A. I received a Bachelor of Arts degree in biology from Jacksonville  
8 | University in April, 1979. I have worked in the area of potable water  
9 | beginning in 1979 as a Compliance/Enforcement Environmental Specialist at the  
10 | Duval and Palm Beach County Health Departments.

11 | Q. By whom are you presently employed?

12 | A. I am employed by the Florida Department of Environmental Protection  
13 | (DEP).

14 | Q. How long have you been employed with the DEP and in what capacity?

15 | A. I began working at the DEP in December, 1983 as an Environmental  
16 | Specialist in Potable Water, in the Compliance/Enforcement Section.

17 | Q. What are your general responsibilities at the DEP?

18 | A. My responsibilities include monitoring and inspecting potable water  
19 | facilities in the Northeast District and performing compliance/enforcement  
20 | activities for these systems.

21 | Q. Are you familiar with Point Water and Sewer, Inc., in Clay County?

22 | A. Yes.

23 | Q. Does the utility have a current construction permit(s) from the DEP for  
24 | the water system?

25 | A. The utility has an original construction permit from 1980, which is

1 included as Exhibit LDF-1.

2 Q. Are there any other permits necessary or required by Florida law to  
3 operate the water system?

4 A. No. No other permits are required for operating a water well, except  
5 for the Public Service Commission's requirements.

6 Q. Is the plant in compliance with DEP rules?

7 A. No. We discovered several deficiencies from the July, 1996 sanitary  
8 survey. We sent a letter to the utility on July 18, 1996, noting the problems  
9 and requested information and a response to the deficiencies from the utility  
10 within 15 days from the date of the letter. After being notified of an  
11 address correction, I re-sent the letter to the Raggedy Point address of the  
12 utility about a week later.

13 Q. Are you sure that the utility received the deficiency letter?

14 A. Yes, it was sent "return receipt requested" and was signed for. Also,  
15 the utility's attorney, Douglas Reynolds, requested information from us in  
16 January, 1997 and we sent him a copy of the deficiency letter in January. The  
17 July 18, 1996 letter is attached as Exhibit LDF-2 and the January deficiency  
18 letter is Exhibit LDF-3.

19 Q. Please explain what these deficiencies were.

20 A. We requested information about a new four inch line connected directly  
21 to the well without treatment and asked why it was there. We also requested  
22 information on the line to the marina. We asked whether there were any  
23 backflow prevention devices on any of the lines and requested proof of yearly  
24 testing. We also requested a drawing of the distribution piping. Finally, we  
25 discovered that the utility had no cross connection control plan.

1 Q. What is a cross connection control plan?

2 A. It is a program which addresses all potential backflow hazards to a  
3 system. All community systems are required to have this plan.

4 Q: What was the utility's response to the deficiency letter which was sent  
5 on July 18, 1996?

6 A. We received a drawing of the system from the utility in January, 1997.  
7 I met with Mr. John Yonge, President of Point Water & Sewer, Inc., on May 12,  
8 1996 and we discussed all of the deficiencies. At that time, Mr. Yonge  
9 indicated that he is currently working to develop an adequate cross-connection  
10 control plan. I am currently in contact with John Yonge regarding these  
11 matters. Also, the unprotected 4 inch line off the well has been severed and  
12 appears to no longer be in use.

13 Q. Has any of the other issues or concerns in the letter been addressed by  
14 the utility yet?

15 A. Yes, they were addressed at the May 12, 1996 meeting.

16 Q. Are the utility's well, treatment facilities and distribution system  
17 sufficient to serve its present customers?

18 A. Yes. The system has a well capacity of .028 million gallons per day  
19 (mgd) and the system's average use on a daily basis is .013 mgd. The original  
20 plant was to serve the townhomes only. The marina was added without DEP's  
21 knowledge or a DEP permit.

22 Q. Does the utility maintain the 20 psi minimum pressure throughout the  
23 distribution system as required by Rule 62-555.350, Florida Administrative  
24 Code?

25 A. Yes.

1 Q. Does the utility have certified operators as required by Rule 17-602.  
2 Florida Administrative Code?

3 A. Yes. The present operator is E.J. McCormack of Sun Coast Utilities,  
4 Post Office Box 23249, Jacksonville, FL 32241-3249, (operator license no. C-  
5 200).

6 Q. Is the overall maintenance of the well, treatment plant and distribution  
7 facilities satisfactory?

8 A. The aeration and chlorination of the water appear to be satisfactory.  
9 Facilities were noted to be in fair condition in July, 1996. Exterior care  
10 of storage tank was noted and may need sand blasting and painting. The  
11 interior, at that time, was clean. The well is in a low area and the ground  
12 slopes slightly toward the well.

13 Q. Does the water produced by the utility exceed the State and Federal  
14 maximum contaminant levels for primary and secondary water quality standards?

15 A. No it does not exceed the standards. The last complete chemical  
16 analysis on file was in 1995 and was satisfactory. A complete chemical  
17 analysis is due again before the end of December, 1997. The lead and copper  
18 sampling in 1996 was satisfactory and the system is now on reduced monitoring.  
19 The next lead and copper sample is due again in 1999.

20 Q. Does the utility maintain the required chlorine residual or its  
21 equivalent throughout the distribution system?

22 A. Yes.

23 Q. Has this water system been the subject of any DEP enforcement action  
24 within the past two years?

25 A. No.

1 Q. Are there any other outstanding water regulatory actions against this  
2 utility?

3 A. No, not to my knowledge.

4 Q. Are the plant and distribution systems in compliance with all the other  
5 provisions of Chapter 62, Florida Administrative Code, not previously  
6 mentioned? If no, please explain the circumstances and indicate if the  
7 utility is now in compliance.

8 A. No. The system requires a cross-connection control plan and  
9 implementation. Also, the marina connection may not have adequate backflow  
10 protection.

11 Q. What is the DEP currently doing regarding these instances of  
12 noncompliance?

13 A. We are following up on these issues and are currently in contact with  
14 the utility. Also, we may send a warning notice to the utility if needed.

15 Q. Do you have anything further to add?

16 A. Yes. The system owner needs to keep the Department of Environmental  
17 Protection informed of changes. We have had a very difficult time sending  
18 mail and reports to the utility due to incorrect addresses of the utility and  
19 frequent address changes. Also, after meeting with John Yonge, I found him  
20 to be agreeable and eager to comply with our requirements.

21

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STATE OF FLORIDA  
DEPARTMENT OF  
ENVIRONMENTAL REGULATION

Mr. Phillip Yonge  
P.D.Y., Inc.  
P.O. Box 918  
Orange Park, Fl 32073

CONSTRUCTION  
PERMIT

The Point Apartments

NO. WC10 - 28045

DATE OF ISSUANCE

February 22, 1980

Jerry M. Owen, P. E.

DATE OF EXPIRATION

February 22, 1981

G. Doug Dutton, Subdistrict Mgr.

3426 BILLS ROAD  
JACKSONVILLE, FLORIDA 32207



BOB GRAHAM  
GOVERNOR

JACOB D. VARN  
SECRETARY

G. DOUG DUTTON  
SUBDISTRICT MANAGER

STATE OF FLORIDA

DEPARTMENT OF ENVIRONMENTAL REGULATION

ST. JOHNS RIVER SUBDISTRICT

February 22, 1980

Mr. Phillip Yonge  
P. D. Y., Inc.  
P.O. Box 918  
Orange Park, Fl 32073

Dear Mr. Yonge:

Clay PW  
The Point Apartments

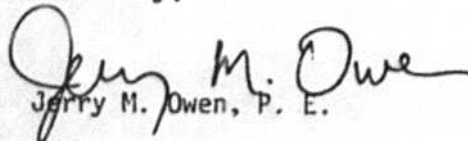
Enclosed is Permit No. WC10-28045, dated Feb. 22, 1980, to construct the subject water supply source, issued pursuant to Section 403, Florida Statutes.

Should you object to this permit, including any and all of the conditions contained therein, you may file an appropriate petition for administrative hearing. This petition must be filed within fourteen (14) days of the receipt of this letter. Further, the petition must conform to the requirements of Section 28-5.15, Florida Administrative Code, (copy enclosed). The petition must be filed with the office of General Counsel, Department of Environmental Regulation, Twin Towers Office Building, 2600 Blair Stone Road, Tallahassee, Florida 32301.

If no petition is filed within the prescribed time, you will be deemed to have accepted this permit and waived your right to request an administrative hearing on this matter.

Acceptance of the permit constitutes notice and agreement that the department will periodically review this permit for compliance, including site inspections where applicable, and may initiate enforcement action for violation of the conditions and requirements thereof.

Sincerely,

  
Jerry M. Owen, P. E.

JMO:1h1  
cc: Mr. Glenn Dykes

original typed on 100% recycled paper



RULES OF THE ADMINISTRATIVE COMMISSION  
MODEL RULES OF PROCEDURE  
CHAPTER 28-5  
DECISIONS DETERMINING SUBSTANTIAL INTERESTS

28-5.15 Requests for Formal and Informal Proceedings

- (1) Requests for proceedings shall be made by petition to the agency involved. Each petition shall be printed typewritten or otherwise duplicated in legible form on white paper of standard legal size. Unless printed, the impression shall be on one side of the paper only and lines shall be double spaced and indented.
- (2) All petitions filed under these rules should contain:
  - (a) The name and address of each agency affected and each agency's file or identification number, if known;
  - (b) The name and address of the petitioner or petitioners;
  - (c) All disputed issues of material fact. If there are none, the petition must so indicate;
  - (d) A concise statement of the ultimate facts alleged, and the rules, regulations and constitutional provisions which entitle the petitioner to relief;
  - (e) A statement summarizing any informal action taken to resolve the issues, and the results of that action;
  - (f) A demand for the relief to which the petitioner deems himself entitled; and
  - (g) Such other information which the petitioner contends is material.

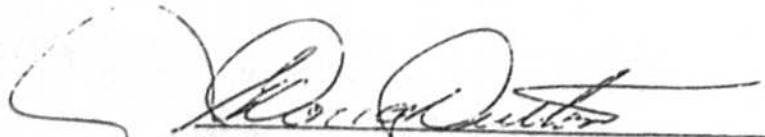
PERMIT NO.: WC10-28045  
 APPLICANT: Mr. Phillip Yonge  
 P.D.Y., Inc.  
 P.O. Box 918  
 Orange Park, Fl 32073

1. This approval is given with the understanding that upon the installation of such works its operations shall be placed under the care of a competent person, whose qualifications are approved by the Department and the operation shall be carried out according to best accepted practice and in accordance with the requirements of the rules and regulations of the Department. This includes not only the provision of continuing essential funds for operation and maintenance of chemical supplies for plant operation; but also the funds for maintenance equipment and supplying the needs of a suitable water plant laboratory which is required for proper operation of this water treatment facility.
2. Water supply facilities including mains shall be installed, cleaned, disinfected, and bacteriologically cleared for service, in accordance with the latest applicable AWWA Standards and Department rules and regulations.
3. Where water and sewer mains cross with less than 18" vertical clearance, the sewer will be 20 ft. of either cast iron pipe or concrete encased vitrified clay pipe, centered on the point of crossing. When a water main parallels a sewer main, a separation of at least 10 ft. should be maintained where practical.
4. A chemical analysis for the proposed water supply and a well log shall be furnished this office prior to placing the well in service. If the chemical analysis so indicates, additional treatment may be necessary.

Expiration Date: February 22, 1981

Issued this 22nd day of February, 19 80

STATE OF FLORIDA  
 DEPARTMENT OF ENVIRONMENTAL REGULATION

  
 G. Doug Dutton, Subdistrict Manager

3426 BILLS ROAD  
JACKSONVILLE, FLORIDA 32207



BOB GRAHAM  
GOVERNOR

JACOB D. VARN  
SECRETARY

G. DOUG DUTTON  
SUBDISTRICT MANAGER

STATE OF FLORIDA

DEPARTMENT OF ENVIRONMENTAL REGULATION

ST. JOHNS RIVER SUBDISTRICT

APPLICANT: Mr. Phillip Yonge  
P. D. Y., Inc.  
P.O. Box 918  
Orange Park, Fl 32073

PERMIT/CERTIFICATION  
NO. WC10-28045

COUNTY: Clay

PROJECT: The Point Apartment

This permit is issued under the provisions of Chapter 17-22 403, Florida Statutes, and Chapter \_\_\_\_\_, Florida Administrative Code. The above named applicant, hereinafter called Permittee, is hereby authorized to perform the work or operate the facility shown on the approved drawing(s), plans, documents, and specifications attached hereto and made a part hereof and specifically described as follows:

Installation of a water treatment plant and distribution system to serve The Point Apartments.

GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations, and restrictions set forth herein are "Permit Conditions", and as such are binding upon the permittee and enforceable pursuant to the authority of Section 403.161(1), Florida Statutes. Permittee is hereby placed



pd  
2-19-80



STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION  
APPLICATION FOR CONSTRUCTION PERMIT  
PUBLIC DRINKING WATER SYSTEM

INSTRUCTIONS: All of the application forms, including engineering plans and specifications, must be completed and submitted. For construction of facilities consisting solely of pumping and disinfection, Parts A, B, C, D, and E 2. (d) through (f), as well as engineering plans and specifications, must be completed and submitted. Submission of any false statement or representation in this application is a violation of the law.

System Name: THE POINT Apartments County: CLAY  
System Address: Street U.S. HWY. 17, Fleming Island City: N.A. (south of Orange Park)  
Applicant's Name and Title: P. D. Y., Inc.  
Applicant's Address: P. O. Box 918, Orange Park, Fla. 32073  
Utility Supplying Water Name: THE POINT Apartments  
Utility Address: \_\_\_\_\_  
Owner/Operator After Construction, if different: \_\_\_\_\_  
Owner/Operator Address: \_\_\_\_\_  
Type of Proposed Facility: Water Supply Plant and Distribution System  
To Serve: THE POINT Apartments  
(Subdivision, school, trailer park, etc.)

A. Applicant:

I, the owner/authorized representative\* of P. D. Y., Inc. (THE POINT Apartments)

am fully aware that the statements made in this application for a permit to construct a public water system are true, correct and complete to the best of my knowledge and belief. Further, the undersigned agrees to maintain and operate the facility in such a manner as to comply with the provisions of Chapter 403, Florida Statutes, and all the rules and regulations of the department. The undersigned also understands that a permit, if granted by the department, will be non-transferable and will promptly notify the department upon sale or legal transfer of the permitted facility.

\*Attach letter of authorization

Signed: Phillip Yonge  
Owner/Authorized Representative  
PHILLIP YONGE, President  
Name and Title (Please Type)  
Date: 12/14/79 Telephone No. (904) 269-2020

B. OWNER/AUTHORIZED REPRESENTATIVE OF UTILITY SUPPLYING WATER (if applicable)

The undersigned, owner/authorized representative\* of Not Applicable hereby certifies that the above reference utility has adequate reserve capacity to supply water to this project and will provide the necessary treatment as required by Chapter 403, Florida Statutes, and all rules and regulations of the department. Further, the undersigned verifies that his treatment plant is operating under a valid permit, No. \_\_\_\_\_ dated \_\_\_\_\_; issued by the department, and the connection of the proposed project will not be in violation of any condition of said permit.

\*Attach letter of authorization

Signed: \_\_\_\_\_  
Name and Title (Please Type)  
Date: \_\_\_\_\_ Telephone No. \_\_\_\_\_

## C. OWNER/OPERATOR\* AFTER CONSTRUCTION (if different from applicant) Not Applicable

I, the undersigned, do certify that I will become the owner/operator of the proposed facility after construction. Further, I certify that I am fully aware that the statements made in this application are true, correct and complete to the best of my knowledge. Also, I agree to operate and maintain the facilities in such a manner as to comply with the provisions of Chapter 403, Florida Statutes, and all rules and regulations of the department. I understand the permit is non-transferable and will promptly notify the department upon sale or legal transfer of the permitted establishment.

\*If signed by an authorized agent, attach letter of authorization.

Signed: \_\_\_\_\_

Name and Title (Please Type) \_\_\_\_\_

Date: \_\_\_\_\_ Telephone No. \_\_\_\_\_

## D. PROFESSIONAL ENGINEER REGISTERED IN FLORIDA

This is to certify that the engineering features of this public drinking water system have been designed/examined by me and found to be in conformity with modern engineering principles, applicable to the treatment and distribution of drinking water characterized in this application. There is reasonable assurance in my professional judgment that the facility, when constructed as planned and properly maintained and operated, will comply with all applicable statutes of the State of Florida and the rules and regulations of the department.

Signed: \_\_\_\_\_

ALAN W. POTTER, P.E.

Name (Please Type)

ALAN W. POTTER, Consulting Engineer

Company Name (Please Type)

6957 Lillian Road, Jacksonville, Fla. 32211

Mailing Address (Please Type)

Florida Registration No. 5438

Date: 12/14/79 Telephone No. (904) 725-4522

(Affix Seal)

## PART A - GENERAL

1. Estimated total cost of project \$30,000.00 Water Treatment \$20,000.00
2. Plant capacity increase (MGD) 0.035 Distribution \$10,000.00
3. Previous permit number(s), if any N.A.
4. Present population (municipality, institution, etc.) N.A.
5. Design population (additional served by this project) 119
6. Per capita consumption 100 GPD/Cap.
7. Give any industrial users or abnormal demands N.A.
8. Is plant designed for 24-hour operation or what portion? YES
9. Give characteristics of raw water (attach chemical analysis) typical artesian; analysis will be furnished
10. Give source proposed water deep artesian well  
(deep well, shallow well, spring, surface)
11. Sewage disposal SAME  
(Name and address of sewerage utility)
12. Purified water storage: Capacity present elevated -0- Ground 6,000.
13. Static head in relation to pumping plant plus 15-ft.
14. Is this application associated with or part of a Development of Regional Impact (DRI) pursuant to Chapter 380, Florida Statutes, and Chapter 22F-2, Florida Administrative Code? Yes  No

## PART B - DISTRIBUTION SYSTEM

1. Interconnection with other system NONE
2. Min. size pipe 2-inch Residual pressure at peak load 35 psi
3. Is fire control provided in design? YES
4. Describe dead-end conditions and necessity for flushing Fire Hydrant and flushing hydrant
5. Cross-connection control program \_\_\_\_\_

## PART C - WELL SUPPLY

Existing Wells									
NUMBERS									
SIZES									
DEPTHS									
PUMP (type)									
CAPACITY									

Proposed Wells									
NUMBERS	WELL #1								
SIZES	4-inch								
DEPTHS	600-ft.								
PUMP (type)	Turbine								
CAPACITY	100 GPM @ 35' TDH								

Type of construction Drilled, cased & grouted Casing steel

Give all geological data, including log of test wells or wells in vicinity (attach sheet)

Describe possible sources of contamination None

## PART D - SURFACE SUPPLIES ----- NOT APPLICABLE

1. Name of stream, lake, or pond \_\_\_\_\_
2. Show by attached map watershed, towns or communities above intake, industrial plants, and in immediate vicinity, farm house, picnic ground, abattoirs and other sources of pollution, with distance from intake. Locate intake on map.
3. Size of watershed in square miles \_\_\_\_\_ Est. Min. dry-weather flow at intake \_\_\_\_\_
4. Basis of min. dry-weather flow estimate \_\_\_\_\_

5.

Type	Existing Raw Water Pumps			Proposed Raw Water Pumps		
Capacity						
Suction Head						
Discharge Head						

**PART E - TREATMENT PLANT**

1. Type of treatment:
  - a) pumping and disinfection YES b) conventional floc and settling \_\_\_\_\_ c) upflow \_\_\_\_\_
  - d) demineralization (type) \_\_\_\_\_ e) other AERATION & DETENTION (for H<sub>2</sub>S)
2. Design details:
  - a) emergency intake \_\_\_\_\_ bypass of raw water \_\_\_\_\_ b) Aeration: type cascade  
 max. design rate 160 GPM detention 4-hours offices \_\_\_\_\_ number of trays 3  
 loss of head \_\_\_\_\_ c) Service pumps: existing (no. & cap.) \_\_\_\_\_  
 proposed (no. & cap.) TWO - 140 GPM at 105-ft. TDH
  - d) Disinfection: type disinfectant CHLORINE  
 type, make, capacity and number of feeders HYPOCHLORINATOR Stenner 85-M
  - e) Auxiliary power portable generator
  - f) Metering device and location turbine meter on well discharge.
  - g) Mixing chamber (conventional): type \_\_\_\_\_  
 dimensions \_\_\_\_\_ capacity \_\_\_\_\_ detention \_\_\_\_\_ velocity (at maximum design rate) \_\_\_\_\_  
 Allowable head: total \_\_\_\_\_ per baffle \_\_\_\_\_  
 Mechanical agitator: size blade \_\_\_\_\_ motor \_\_\_\_\_ peripheral speed \_\_\_\_\_  
 bypass \_\_\_\_\_ drainage \_\_\_\_\_
  - h) Coagulating basins (conventional): \_\_\_\_\_  
 capacity \_\_\_\_\_ detention time at maximum plant capacity \_\_\_\_\_ velocity \_\_\_\_\_  
 capacity of each compartment \_\_\_\_\_ Distribution flow: inlet devices \_\_\_\_\_ outlet devices \_\_\_\_\_
  - i) Suspended solids contact units (upflow) \_\_\_\_\_

Process	Diameter	Capacity	Upflow rate	Detention period	Overflow rate
Softening					
Clarification					

Remarks: \_\_\_\_\_



j) Chemical dosing devices (other than disinfecting):

number of machines and type feeding: Alum \_\_\_\_\_ Lime \_\_\_\_\_ coagulant aid (name) \_\_\_\_\_  
 Activated Carbon \_\_\_\_\_ recarbonation \_\_\_\_\_ other \_\_\_\_\_  
 number and size of solution tanks \_\_\_\_\_  
 points of application \_\_\_\_\_  
 size and kind of piping \_\_\_\_\_

k) Filter Units:

type, material, number units \_\_\_\_\_  
 areas, dimensions, capacity of each unit and for total plant \_\_\_\_\_  
 wash troughs, number and shape \_\_\_\_\_  
 dimensions and distance above sand (top trough and top sand) \_\_\_\_\_  
 spacing (c to c) \_\_\_\_\_  
 max. travel suspended particles \_\_\_\_\_  
 filtering material: gravel (depth & size) \_\_\_\_\_  
 sand or other media (specify) \_\_\_\_\_  
 depth of bed \_\_\_\_\_ mean effective size \_\_\_\_\_ m.m. uniformity coefficient \_\_\_\_\_  
 filter bottom: type \_\_\_\_\_  
 ratio total area of perforations to sand area \_\_\_\_\_  
 laterals: size and spacing on manifold \_\_\_\_\_  
 perforations: size and spacing on laterals \_\_\_\_\_  
 on manifold \_\_\_\_\_ ratio total area perforations to total c.s. area of laterals \_\_\_\_\_  
 manifold size and cross-section area \_\_\_\_\_  
 backwash pump(s): type and design rate \_\_\_\_\_  
 depth water on sand: maximum \_\_\_\_\_ minimum \_\_\_\_\_ average \_\_\_\_\_  
 wash tank capacity \_\_\_\_\_  
 Appurtenances: loss of head gauges \_\_\_\_\_ rate of flow gauges \_\_\_\_\_ rate controllers \_\_\_\_\_  
 Clear well: location \_\_\_\_\_ capacity \_\_\_\_\_ dimensions \_\_\_\_\_

l) Laboratory: room and bench space (areas) \_\_\_\_\_

scope of tests provided for \_\_\_\_\_

m) Bypass to plant \_\_\_\_\_ emergency intake \_\_\_\_\_

n) List type and capacities of emergency well and service pumping units \_\_\_\_\_

o) Sketch of plant (schematic):

"THE POINT" Apartments,  
Fleming Island, Clay County  
Water Plant & Water Lines

ALAN W. POTTER 1264  
CONSULTING ENGINEER  
6957 LILLIAN ROAD  
JACKSONVILLE, FLORIDA 32211

Nº 6889

FEBRUARY 15 1980

63-180  
630

PAY TO THE ORDER OF FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION \$ 20.00

\*\*\*\*\* TWENTY and NO/100 ----- DOLLARS



*Alan W. Potter*



STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION

Nº 37397

RECEIPT FOR APPLICATION FEES AND MISCELLANEOUS REVENUE

Received from Alan W. Potter Date Feb 19, 1980

Address 6757 Lillian Rd Jacksonville FL 32211 Dollars \$ 20.00

Applicant Name & Address P.D.V. Inc PO Box 918 Orange Park FL 32073

Source of Revenue The Point Apts

Revenue Code 0101 CH 6889 Application Number WC 10 28045

By Dean Bell



# Department of Environmental Protection

Lawton Chiles  
Governor

Northeast District  
7825 Baymeadows Way, Suite B200  
Jacksonville, Florida 32256-7590

Virginia B. Wetherell  
Secretary

CERTIFIED RECEIPT REQUESTED

July 18, 1996

Mr. James Yonge  
The Point Condominiums  
1256 Seminole Drive  
Ft. Lauderdale, Florida 33304

Clay County - Potable Water  
The Point WTP  
PWS ID # 2104167

Dear Mr. Yonge:

On July 2, 1996, a sanitary survey was performed on the water system serving the condominiums with your operator Mr. Ed McCormack.

During the inspection the following items were discussed to maintain compliance with Chapter 62 of the Florida Administrative Code (FAC) Rule. A copy of this Rule has been enclosed for your review.

1. Provide information on the 4" PVC line coming directly off the wellhead. For example, what does it serve and is there a backflow prevention device on the line? There was not a backflow prevention device at the origin of the line at the well. Provide an approved backflow prevention device or physically sever the line.
2. Provide information on the line to the marina. Are backflow devices in place? None were noted.
3. Provide information on all backflow devices in use and proof of yearly testing as required.
4. Provide drawing of distribution piping showing location of all backflow devices for the condominium and marina.
5. It was noted that the aerator and screens were in good condition. Please continue to keep clean and sealed, and watch the exterior condition of the tank and plant for corrosion. Sandblasting and painting may be necessary in the very near future.
6. At the time of the inspection a hose was attached to the raw water spigot on the wellhead. During this inspection the hose was removed and the threads were removed from the spigot as required in Chapter 62-555.315(f).

James Yonge  
The Point Condominiums  
July 18, 1996

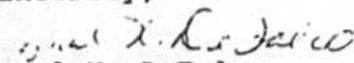
As a reminder, systems on reduced monitoring for Lead and Copper must sample between June and September with analysis results submitted to this office prior to October 11, 1996. Additionally, Nitrate and Nitrite analysis results are due for 1996.

A complete written response to the above noted items is requested within 15 days of receipt of this letter.

Enclosed is a copy of the survey for your records. If you have any questions, please contact me at (904)448-4330 extension 306.

Thank you for your cooperation in the Drinking Water Program.

Sincerely,

  
Lynal N. DeFalco  
Environmental Specialist II  
Potable Water Section

  
Enclosures

LND:LND

CC: Clay County Health Department  
Mr. Ed McCormack - Operator

Is your RETURN ADDRESS completed on the reverse side?

**SENDER:**  
 \* Complete items 1 and/or 2 for additional services.  
 \* Complete items 3, 4a, and 4b.  
 \* Print your name and address on the reverse of this form so that we can return this card to you.  
 \* Attach this form to the front of the mailpiece, or on the back if space does not permit.  
 \* Write "Return Receipt Requester" on the mailpiece below the article number.  
 \* The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):  
 1.  Addressee's Address  
 2.  Restricted Delivery  
 Consult postmaster for fee.

3. Article Addressed to:  
 James Young  
 1256 Point Condo  
 FT. LAUDERDALE DISTRICT  
 FT. LAUDERDALE, FL 33304

4a. Article Number: P 085 406 803

4b. Service Type:  
 Registered  
 Express Mail  
 Certified  
 Insured  
 Return Receipt for Merchandise  
 COD

Date of Delivery: 7/19/96

5. Received By: (Print Name) JAMES YOUNG  
 Address: 1256 POINT CONDO  
 FT. LAUDERDALE, FL 33304

6. Signature: [Signature]  
 X

PS Form 3811, December 1994

Thank you for using Return Receipt Service.

P 285 406 803

US Postal Service  
**Receipt for Certified Mail**  
 No Insurance Coverage Provided.  
 Do not use for international Mail (See reverse)

Sent to	James Young
Street & Number	1256 Pt. Condominiums
Post Office, State, & Zip Code	Ft. Lauderdale, FL 33304
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	mailed 7-19-96

PS Form 3800, April 1995

Domestic Return Receipt  
 on Detailed



# Department of Environmental Protection

Lawton Chiles  
Governor

Northeast District  
7825 Baymeadows Way, Suite B200  
Jacksonville, Florida 32256-7590

Virginia B. Wetherell  
Secretary

January 8, 1997

Douglas Reynolds  
Cox & Reynolds  
4875 North Federal Highway  
Fort Lauderdale, Florida 33308

Dear Mr. Reynolds:

Clay County - Domestic Waste and Potable Water  
The Point Townhomes

Attached is the information you requested. The system map was originally submitted with the permit applications to construct both facilities and are dated October 18, 1979. Changes may have been made to the actual system since 1979.

Our records indicate the plant serves the marina next door although it is not clear where this information came from. Attached is a portion of page 1 of a sanitary survey which was conducted April 5, 1984. The survey indicates the plant serves the condominiums and a marina. All sanitary surveys conducted after this date indicate the marina is connected. There are no records of a construction permit to add the marina to the plant. However, the original drawings show the distribution system was installed so future connections could be added.

Rule 62-550.720(3) F.A.C. states that copies of any written reports, summaries, or communications relating to cross connection control programs or sanitary surveys of the system shall be kept for a period not less than 10 years.

Rule 62-620.350(7) F.A.C. states that the permittee shall maintain record drawings on the site of the permitted facility and make them available for inspection.

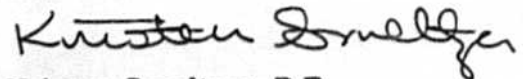
The potable water section sent a certified inspection letter to James Yonge regarding a sanitary survey which was completed on July 2, 1996. The green card was signed on July 24, 1996 and returned. A written response was requested within 15 days and items 1 through 5 on page 4 of the survey were to be completed in 30 days. To this day, the Department has not received an adequate response. Moreover, items 1-3 have not been completed.

Mr. Reynolds  
January 8, 1997  
Page 2

The domestic waste section sent an inspection letter to James Yonge on October 23, 1996. After receiving a corrected address from you, the same was sent with a cover letter to John Yonge on November 19, 1996. A written response was requested within 20 days. To this day, the Department has not received a response.

If you have any questions, feel free to call me at 448-4330, extension 341.

Sincerely,



Kristen Smeltzer, P.E.  
Domestic Waste Engineer

*DFW*  
cc: EPA, Region IV  
Public Service Commission  
John Yonge  
James Yonge





## III. TREATMENT

## ✓ A. General

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> aeration     | <input type="checkbox"/> lime softening      |
| <input checked="" type="checkbox"/> chlorination | <input type="checkbox"/> coagulation         |
| <input type="checkbox"/> iron removal            | <input type="checkbox"/> recarbonation       |
| <input checked="" type="checkbox"/> filtration   | <input type="checkbox"/> fluoridation        |
| <input type="checkbox"/> pH adjustment           | <input type="checkbox"/> sedimentation       |
| <input type="checkbox"/> reverse osmosis         | <input type="checkbox"/> membrane filtration |
| <input type="checkbox"/> ion exchange            | <input type="checkbox"/> sequestration       |

## ✓ B. Aeration

- No. of trays <sup>Cascade</sup> 3 (round) <sup>small</sup> capacity ~160 gpm (400 gpm) (400 gpm)
- dimensions \_\_\_\_\_
- slimes/algae noted  iron deposits
- screens satisfactory  HS odor
- comments: last cleaned in 1995

## ✓ C. Chemical Use

no ladder available to check - appears OK & clean

chemical	feeder type	capacity	point of use	purpose
Chlorine	Stenner	10 gpd	Suction side HS Pumps	disinfection

## D. Chemical Feeders

- |  |   |
|--|---|
| <input type="checkbox"/> oil on floor        | <input type="checkbox"/> chemical spilled       |
| <input type="checkbox"/> spare parts kept    | <input type="checkbox"/> has repair manuals     |
| <input type="checkbox"/> noisy operation     | <input type="checkbox"/> chemicals well stocked |
| <input type="checkbox"/> water on floor      | <input type="checkbox"/> feeders all work       |
| <input type="checkbox"/> excessive vibration | <input type="checkbox"/> bags stored dry        |

## E. Coagulation

- |  |   |
|--|---|
| <input type="checkbox"/> settling poor   | <input type="checkbox"/> chem dose questionable |
| <input type="checkbox"/> no blanket seen | <input type="checkbox"/> effluent taste & odor  |
| <input type="checkbox"/> pinpoint floc   | <input type="checkbox"/> color removal good     |

## F. Softening

- |  |  |   |
|--|--|---|
| <input type="checkbox"/> spiractor             | <input type="checkbox"/> accelerator     | <input type="checkbox"/> reaction basin |
| <input type="checkbox"/> floc unstable         | <input type="checkbox"/> blanket visible |   |
| <input type="checkbox"/> feed intermittent     | <input type="checkbox"/> settling good   |   |
| <input type="checkbox"/> water leaves clear    | <input type="checkbox"/> silica used     |   |
| <input type="checkbox"/> sludge return used    | <input type="checkbox"/> coagulant aid   |   |
| <input type="checkbox"/> improper sludge level |  |   |

## G. Fluoridation

- |   |  |
|---|--|
| <input type="checkbox"/> analyses OK        | <input type="checkbox"/> feeder works well   |
| <input type="checkbox"/> separate storage   | <input type="checkbox"/> acid spilled        |
| <input type="checkbox"/> dusty enclosure    | <input type="checkbox"/> frequent shut downs |
| <input type="checkbox"/> monthly samples OK | <input type="checkbox"/> corrosion evident   |

## H. Filtration

- |  |  |
|--|--|
| <input type="checkbox"/> mudballs present  | <input type="checkbox"/> clearwell turbid      |
| <input type="checkbox"/> backwash works OK | <input type="checkbox"/> sediment in clearwell |
| <input type="checkbox"/> algae present     | <input type="checkbox"/> gallery kept clean    |

## I. Membrane Filtration

- chemical used \_\_\_\_\_
- pH adjustment \_\_\_\_\_
- acid feed \_\_\_\_\_
- antiscalant \_\_\_\_\_
- polymer \_\_\_\_\_
- conductivity meter  pH control alarm/shutdown
- permitted brine disposal \_\_\_\_\_
- location of brine disposal \_\_\_\_\_
- No. of membranes \_\_\_\_\_
- membrane configuration: \_\_\_\_\_

N/A

✓ J. Disinfection

- air pack OK
  - wrench present
  - fan works
  - dual system
  - leak detector
  - test kit OK
  - ample stock
  - lead washers kept
  - ammonia kept
  - single system
  - automatic change over
  - loss of capability alarm
  - properly chained/stored
  - repair kit
- Number of feeders 1 capacity 10gpd feed rate  
Chlorine residual at plant 1.3 In distribution 0.8 RT  
comments: \_\_\_\_\_

✓ IV. STORAGE

- (1) ground storage
- (2) elevated storage
- (2) hydropneumatic tank
- ( ) clear well

	1	2	3	4
tank number				
capacity (gallons)	6000	850		
material	GVS	GVS		
drain capacity	2"	2"		
bypass capacity	2"	2"		
screens	yes-ok	N/A		
relief valve				
condition	needs painting	on/off		
comments	package plant 58-69psi			

✓ V. HIGH SERVICE PUMPS

	1	2	3	4
Number				
horsepower	7.5	7.5		
capacity (gpm)	140	140 @ 105 TDH		
Model/type	Peerless	T124586		
comments	appear ok			

✓ VI. DISTRIBUTION

material GVS/PVC max diam 4" min diam 3/4"  
 operation pressure 63 psi Fire system -  
 No. of Dead ends present? 2 Flushing Log kept? -  
 Are there any cross connections? Possible @ Marina irrigation  
 Are there any sanitary hazards near well? none noted - area around well  
 Any leaks suspected? none noted Slopes Slightly toward well  
 Supply shortages? none near  
 comments: \_\_\_\_\_

✓ VII. WATER QUALITY REVIEW

A. Chemical

1. lab capability  pH  chlorine  
 fluoride  
 other operator
2. Chems Due Due
  - Primary Inorganics 1997  TTHM's Due
  - Secondary Standards 1997  Group I UC's over
  - Turbidity 1997  Group II UC's "
  - VOC's 1997  Pesticides 1997
  - Radionuclides 1997  Asbestos -
  - Nitrate 1997  Nitrite 1997

comments: Provide Nitrate & Nitrite for 1996

3. Maximum Contaminant Level (MCL) Violations: none

**B. Bacteriological**

1. Are bacteriological samples being conducted as required? yes
2. Is current treatment satisfactory? appear to be ok -

**VIII. CONCLUSION**

- Facility meets State and Federal minimum requirements
- Supplement information is attached
- The following deficiencies were noted

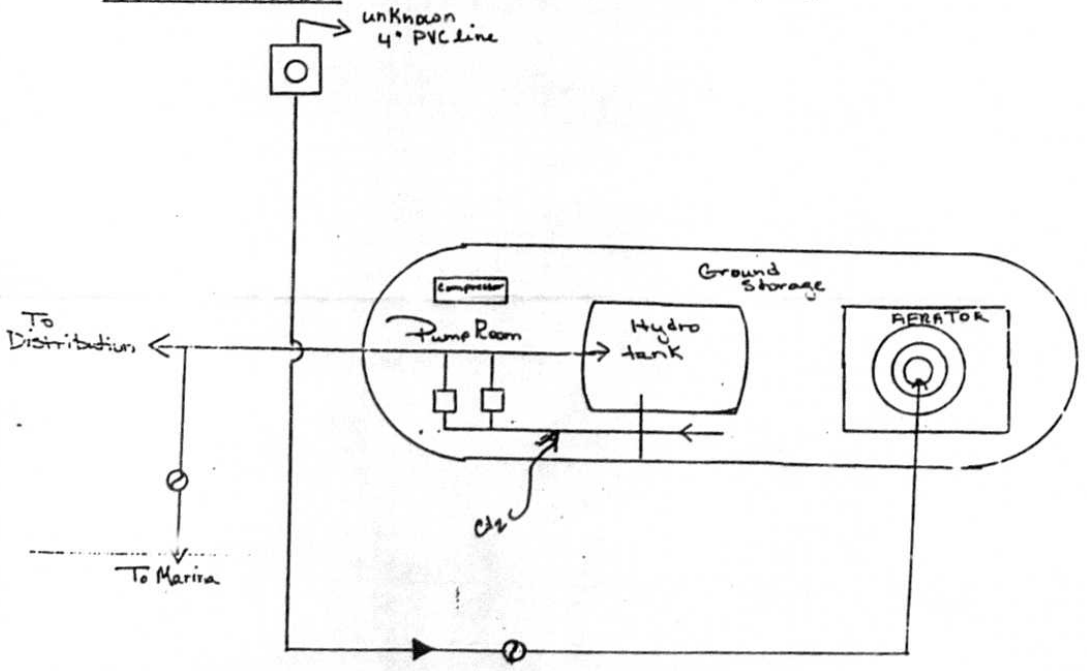
No current Visit	Deficiency	Code Reference
1.	Provide information on 4" PVC line off well - no backflow provided	
2.	Provide information on line to Marina -	
3.	Provide all backflow prevention devices and proof of testing on yearly basis as required.	
4.	Provide drawing with location of backflow devices at Marina.	
5.	Perform lead and Copper Sampling Prior to September 1996 & Submit results by Oct. 11, 1996	
6.	Provide Nitrate and Nitrite Analyze Results for 1996.	
7.	(See letter for details)	
8.		
9.		
10.		

12-31-96  
Still Not Received  
in number ok

OK

Inspector's Signature: Lynel N. De Jales Date: 1-15-96  
 Title: Environmental Specialist II  
 Approved by: \_\_\_\_\_ Date: \_\_\_\_\_  
 Supervisor (signature)

Plant Schematic:

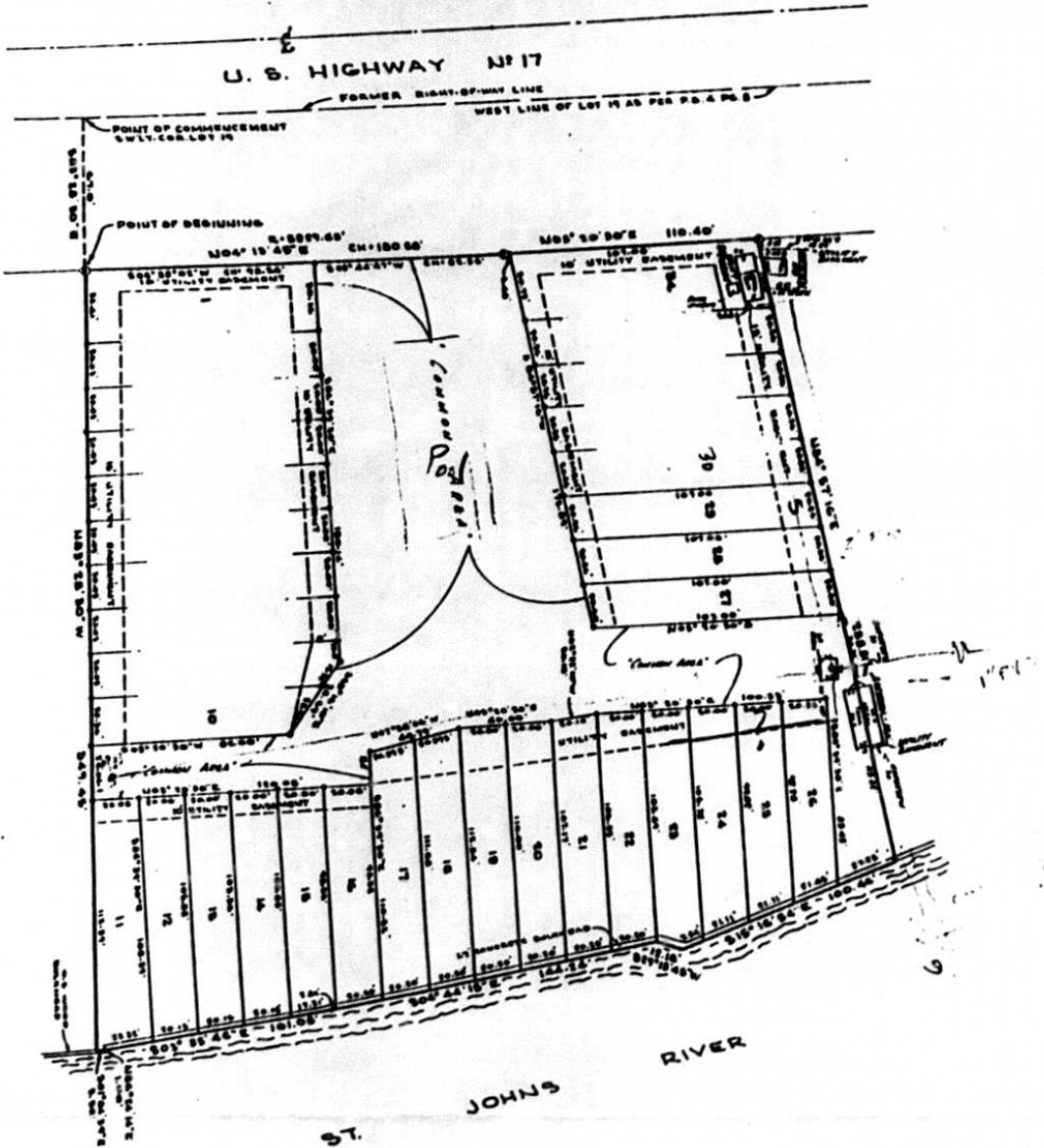


# THE POINT

A SUBDIVISION OF A PORTION OF LOT 19, CREIGHTON FOREST, ACCORDING TO MAP RECORDED IN PLAT BOOK 4, PAGE 8, OF THE PUBLIC RECORDS OF CLAY COUNTY, FLORIDA.

FOR: PDY INC.  
SEPTEMBER 1, 1980

AMENDED: MAY 17, 1981  
AMENDED: JUNE 8, 1981 TO SHOW ADDITIONAL EASEMENTS



**LEGEND**

- Denotes Iron Pin
- ⊙ Denotes Permanent Reference Monument
- Denotes Limits of Easements
- ~ Denotes Water of St. Johns River

I HEREBY CERTIFY THAT THE LANDS AS SHOWN ON THIS MAP WERE SURVEYED UNDER MY DIRECT SUPERVISION AND THAT THIS MAP IS A TRUE AND CORRECT REPRESENTATION OF THE LANDS SUBDIVIDED AND THAT ALL CORNERS AND PERMANENT REFERENCE MONUMENTS HAVE BEEN SET AS SHOWN.

*John McGhin*  
REGISTERED LAND SURVEYOR / FLA. REG. NO. 2524

**MCGHIN, ARD & ASSOCIATES, INC.**  
REGISTERED LAND SURVEYORS  
ORANGE PARK, FLORIDA

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Application for  
certificates to provide water  
and wastewater service in Clay  
County by Point Water and Sewer,  
Inc.

DOCKET NO. 961321-WS

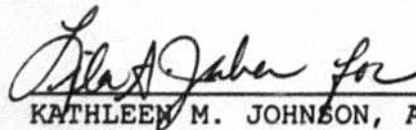
FILED: MAY 19, 1997

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that a true and correct copy of the **DIRECT TESTIMONIES OF LYNAL DEFALCO, SUSAN L. FRASER AND RAY O. AVERY,** has been furnished to the following by U.S. Mail this 19th day of May, 1997:

Douglas Reynolds, Esquire  
Cox & Reynolds  
4875 N. Federal Hwy., 10th Fl.  
Fort Lauderdale, FL 33308

J. Michael Lindell, Esquire  
Hayes & Lindell, P.A.  
233 E. Bay St., #620  
Jacksonville, FL 32202



KATHLEEN M. JOHNSON, Attorney

FLORIDA PUBLIC SERVICE COMMISSION  
Gerald L. Gunter Building  
2540 Shumard Oak Boulevard  
Tallahassee, Florida 32399-0850  
(904) 413-6199