

LAW OFFICES
ROSE, SUNDBSTROM & BENTLEY, LLP

2548 BLAIRSTONE PINES DRIVE
TALLAHASSEE, FLORIDA 32301

(850) 877-6555

MAILING ADDRESS
POST OFFICE BOX 1567
TALLAHASSEE, FLORIDA 32302-1567

TELECOPIER (850) 656-4029

CHRIS H. BENTLEY, P.A.
F. MARSHALL DETERDING
MARTIN S. FRIEDMAN, P.A.
JOHN R. JENKINS, P.A.
STEVEN T. MINDLIN, P.A.
JOSEPH P. PATTON
DAREN L. SHIPPY, LL.M. TAX
WILLIAM E. SUNDBSTROM, P.A.
DIANE D. TREMOR, P.A.
JOHN L. WHARTON

ROBERT M. C. ROSE
OF COUNSEL

February 23, 2001
VIA HAND DELIVERY

Ralph Jaeger, Esquire
Division of Legal Services
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee, Florida 32399-0873

Re: Aloha Utilities, Inc.; PSC Docket No. 010168-WU
Limited Proceeding Application for Increased Water Rates in Seven Springs System in Pasco
County, Florida
Our File No. 26038.34

Dear Ralph:

As a follow up to the application filed on behalf of Aloha Utilities, Inc. in the above-referenced docket on February 1, 2001, I am enclosing a copy of the current Southwest Florida Water Management District Water Use Permit No. 203182.04. I am also enclosing copies of correspondence from the Water Management District leading up to the issuance of that permit, and a copy of the original permit application form.

I have highlighted various portions of this correspondence, application, and permit, to demonstrate that the Utility had sought to increase its authorized withdrawal capacity as early as 1997, and that the Water Management District made it clear at that time that they would not authorize such additional withdrawals. As you can see from the currently authorized permit, the average daily withdrawal capacity permit is 2,040,000 gallons per day with a peak monthly flow of 2,470,000 gallons per day. The permit as issued specifically recognizes that this permitted capacity is not sufficient for current, much less future, water needs. As you can see from the application filed in 1997, the Utility anticipated a need for peak month withdrawals from 1997 through 1998 of 3,580,000 gallons per day (see attached "Water Use Permit Application Supplemental Form" Page 2 of 4).

In addition, Aloha has recently met with members of the Southwest Florida Water Management District staff (earlier this month) in order to discuss yet again a desire of Aloha to increase its water withdrawal allocation under its Water Use Permit (WUP). Members of the

DOCUMENT NUMBER-DATE

02557 FEB 23 01

FPSC-RECORDS/REPORTING

PP _____
AF _____
MP _____
OM _____
TR _____
CR _____
EG _____
PC _____
AI _____
GO _____
EC I
ER _____
TH _____

Ralph Jaeger, Esquire
February 23, 2001
Page 2

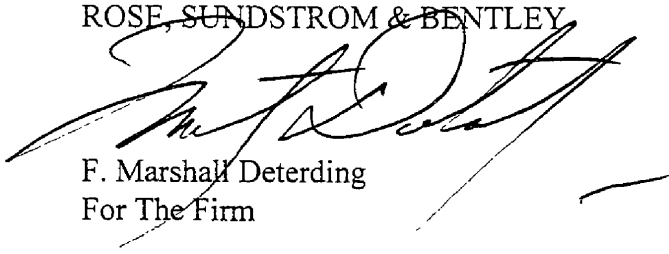
Southwest Florida Water Management District staff have again, during that meeting, reiterated their position that the Utility will not be granted additional water withdrawal allocations. The very strict criteria established in this Water Use Caution Area (which encompasses virtually all of Pasco County) and the Northern Tampa Bay Wellfield Impact Area (NTB-WIA) basically requires that any further withdrawals requested by the Utility must be shown to actually enhance the water resource (rather than simply showing that the further withdrawals will not degrade the resource) in order to be permissible.

I hope that this assists the staff in understanding the situation in which Aloha finds itself, and the immediate need for rate relief in order to cover the increased cost of purchased water from Pasco County, which the Utility has delayed incurring as long as possible. Because of the substantial additional cost that the Utility is incurring daily, I again ask that the staff act expeditiously and on an emergency basis to recommend temporary or emergency relief.

Should you have any further questions in this regard, or need any further information, please let me know.

Sincerely,

ROSE, SUNDSTROM & BENTLEY



F. Marshall Deterding
For The Firm

FMD/tmg

cc: Bart Fletcher
Bob Crouch, P.E.
Jennie Lingo
Tricia Merchant, CPA
Paul Stallcup
Mike Wetherington

aloha\34\jaeger.ltr

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
WATER USE
INDIVIDUAL
PERMIT NO. 203182.04

EXPIRATION DATE: April 27, 2005

PERMIT ISSUE DATE: April 27, 1999

THE PERMITTEE IS RESPONSIBLE FOR APPLYING FOR A RENEWAL OF THIS PERMIT PRIOR TO THE EXPIRATION DATE WHETHER OR NOT THE PERMITTEE RECEIVES PRIOR NOTIFICATION BY MAIL. FAILURE TO DO SO AND CONTINUED USE OF WATER AFTER EXPIRATION DATE IS A VIOLATION OF DISTRICT RULES AND MAY RESULT IN A MONETARY PENALTY AND/OR LOSS OF WATER. APPLICATION FOR RENEWAL PRIOR TO THE EXPIRATION DATE IS SUBJECT TO DISTRICT EVALUATION AND APPROVAL.

This permit, issued under the provision of Chapter 373, Florida Statutes and Florida Administrative Code 40D-2, authorizes the Permittee to withdraw the quantities outlined herein, and may require various activities to be performed by the Permittee as outlined by the Special Conditions. This permit, subject to all terms and conditions, meets all District permitting criteria.

PROJECT NAME: Not Specified

GRANTED TO: Aloha Utilities, Inc.
2514 Aloha Place
Holiday, FL 34691

ABSTRACT: This is a new permit for a long-standing existing public supply use serving the Seven Springs Service Area. It is located in southwestern Pasco County within the Northern Tampa Bay Water Use Caution Area (NTB WUCA). The Annual Average quantity is 2,040,000 gallons per day (gpd) and the Peak Month quantity is 2,470,000 gpd, and the quantities are unchanged from the previously permitted quantities. The permitted withdrawals will serve a portion of the population of the service area, but the quantities do not meet all of the present demand or the future demand within the service area. There are eight existing production wells open to the Floridan aquifer. Special Conditions require: recording and reporting metered pumpage monthly; flexibility of pumpage distribution; water quality sampling quarterly; submittal of an environmental monitoring report; submittal of annual per capita rate; submittal of water audits; submittal of annual residential water use reports; submittal of annual reuse supplier report; and continued implementation of water conservation programs.

TOTAL QUANTITIES AUTHORIZED UNDER THIS PERMIT (in gpd)

AVERAGE:	2,040,000	PEAK MONTHLY:	2,470,000
----------	-----------	---------------	-----------

<u>Use</u>	<u>Average</u>	<u>Peak Monthly</u>
Public Supply:	2,040,000 gpd	2,470,000 gpd

See Withdrawal Table for quantities permitted for each withdrawal point.

Permit No.: 203182.04
 Permittee: Aloha Utilities, Inc.
 Page 2

PROPERTY LOCATION: Pasco County, approximately 3 miles of New Port Richey, adjacent to State Road 54.

TYPE OF APPLICATION: New (Expired)

WATER USE CAUTION AREA:
 Northern Tampa Bay

APPLICATION FILED: October 21, 1998

ACRES: 1.64 Owned
 144.00 Controlled
 7,173.00 Serviced

APPLICATION AMENDED: N/A

WATER USE: PUBLIC SUPPLY

SERVICE AREA NAME

Seven Springs

<u>USE TYPE</u>	<u>POPULATION SERVED</u>	<u>PER CAPITA RATE</u>
Residential Single Family Other Uses (Unmetered)		
Total Public Supply:	24,452	Gross = 121 gpd/person Compliance = 93 gpd/person

<u>I.D. NO.</u> <u>PERMITTEE/</u> <u>DISTRICT</u>	<u>DIAM.</u> <u>(IN.)</u>	<u>DEPTH</u> <u>TTL./CSD.</u>	<u>USE</u>	<u>GALLONS PER DAY</u>	
				<u>AVERAGE</u>	<u>PEAK</u> <u>MONTHLY</u>
3 / 19	6	350 / UNK	PS	122,000	155,000
4 / 20	6	350 / UNK	PS	167,000	211,000
1 / 21	10	280 / UNK	PS	449,000	523,000
2 / 22	8	500 / UNK	PS	288,000	347,000
6 / 23	8	305 / 120	PS	239,000	304,000
7 / 24	8	302 / 145	PS	284,000	348,000
8 / 26	10	342 / 226	PS	259,000	315,000
9 / 27	10	342 / 220	PS	232,000	267,000

PS = Public Supply

Permit No.: 203182.04
 Permittee: Aloha Utilities, Inc.
 Page 3

<u>DISTRICT I.D. NO.</u>	<u>SECTION/TOWNSHIP/RANGE</u>	<u>LOCATION LAT./LONG.</u>
19	23/26/16	281223.03/824022.34
20	23/26/16	281224.03/824013.34
21	30/26/17	281146.03/823812.34
22	29/26/17	281139.03/823720.34
23	13/26/16	281350.03/823930.34
24	13/26/16	281342.03/823910.34
26	34/26/16	281114.03/824130.35
27	34/26/16	281103.03/824141.35

SPECIAL CONDITIONS:

All conditions referring to approval by the Regulation Department Director, Resource Regulation, shall refer to the Director, Brooksville Regulation Department, Resource Regulation.

SUBMITTING REPORTS AND DATA

1. All reports required by the permit shall be submitted to the District on or before the tenth day of the month following data collection and shall be addressed to:

Permit Data Section, Resource Regulation
 Southwest Florida Water Management District
 2379 Broad Street
 Brooksville, Florida 34609-6899

Unless otherwise indicated, three copies of each plan or report, with the exception of pumpage, rainfall, evapotranspiration, water level or water quality data which require one copy, are required by the permit.

WATER QUANTITY METERING AND REPORTING

2. The Permittee shall continue to maintain and operate the existing non-resettable, totalizing flow meter(s), or other flow measuring device(s) as approved by the Director, Brooksville Regulation Department, for District ID No(s). 19, 20, 21, 22, 23, 24, 26, and 27, Permittee ID No(s). 3, 4, 1, 2, 6, 7, 8, and 9. Such device(s) shall maintain an accuracy within five percent of the actual flow as installed. Total withdrawal and meter readings from each metered withdrawal shall be recorded on a monthly basis and reported to the Permits Data Section (using District forms) on or before the tenth day of the following month. If a metered withdrawal is not utilized during a given month, a report shall be submitted to the Permits Data Section indicating zero gallons.

Permit No.: 203182.04

Permittee: Aloha Utilities, Inc.

Page 4

3. The Annual Average Daily and Peak Month Daily quantities for all existing production wells, shown above in the production withdrawal table, are estimates based on historic and/or projected distribution of pumpage, and are for water use inventory and impact analysis purposes. The quantities listed in the table for these individual sources are not intended to dictate the distribution of pumpage from permitted sources. The Permittee may make adjustments in pumpage distribution as necessary up to 1.2 times the permitted quantities for the individual wells, so long as adverse environmental impacts do not result and other conditions of this Permit are complied with. In all cases, the total Annual Average Daily withdrawal and the total Peak Month Daily withdrawal are limited to the quantities set forth above.
4. The Permittee shall submit on a monthly basis total water quantities, in gallons, obtained from external sources, including the interconnect(s) with Pasco County, and submit this information to the Permit Data Section by the 10th day of the following month, in conjunction with the monthly pumpage report.

WATER QUALITY MONITORING AND REPORTING

5. Water quality samples shall be collected and analyzed, for parameter(s), and frequency(ies) specified below. Water quality samples from production wells shall be collected whether or not the well is being used, unless infeasible. If sampling is infeasible the Permittee shall indicate the reason for not sampling on the water quality data form. Water quality samples shall be analyzed by a Department of Health and Rehabilitative Services (DHRS) certified laboratory under Environmental Laboratory Certification General Category "1". At a minimum, water quality samples shall be collected after pumping the well at its normal rate for a pumping time specified in the table below, or to a constant temperature, pH, and conductivity. In addition, the Permittee's sampling procedure shall follow the handling and chain of custody procedures designated by the certified laboratory which will undertake the analysis. Any variance in sampling and/or analytical methods shall have prior approval of the Director, Brooksville Regulation Department. Reports of the analyses shall be submitted to the Permits Data Section (using District forms) on or before the tenth day of the following month, and shall include the signature of an authorized representative and certification number of the certified laboratory which undertook the analysis. The parameters and frequency of sampling and analysis may be modified by the Director, Brooksville Regulation Department, as necessary to ensure the protection of the resource.

<u>District ID No.</u>	<u>Permittee ID No.</u>	<u>Minimum Pumping Time (minutes)</u>	<u>Sampling Parameter</u>	<u>Frequency</u>
19	3	15	Chloride, Sulfate, TDS	Quarterly
20	4	15	Chloride, Sulfate, TDS	Quarterly
21	1	15	Chloride, Sulfate, TDS	Quarterly
22	2	15	Chloride, Sulfate, TDS	Quarterly
23	6	15	Chloride, Sulfate, TDS	Quarterly
24	7	15	Chloride, Sulfate, TDS	Quarterly
26	8	15	Chloride, Sulfate, TDS	Quarterly
27	9	15	Chloride, Sulfate, TDS	Quarterly

TDS=Total Dissolved Solids; Quarterly= February, May, August, November

Permit No.: 203182.04
 Permittee: Aloha Utilities, Inc.
 Page 6

Analyses shall be performed according to procedures outlined in the current edition of Standard Methods for the Examination of Water and Wastewater by the American Public Health Association-American Water Works Association-Water Pollution Control Federation (APHA-AWWA-WPCF) or Methods for Chemical Analyses of Water and Wastes by the U.S. Environmental Protection Agency (EPA).

7. The District reserves the right to set chloride, sulfate, or TDS, concentration limits on any production well in the future, based on data collected and after a sufficient data base has been established to determine limits. These limits shall be required after discussions with the Permittee. At such time as the concentration in any water sample reaches or exceeds the designated concentration limits, the Permittee shall take appropriate action to reduce concentrations to below those set for the particular well. If the District determines that long-term upward trends or other significant water quality changes are occurring, the District may reconsider the quantities permitted.

ENVIRONMENTAL MONITORING

8. By November 1, 1999, the Permittee shall submit a report analyzing the existing environmental monitoring programs within the service area. The report shall also assess existing conditions of the monitored sites relative to the Permittee's withdrawals. If upon review the District does not find this monitoring adequate for reporting the environmental conditions of this area, the District may require development of an Environmental Monitoring Plan (EMP). Upon notification by the District that an EMP is required, the Permittee shall have 90-days to develop and submit the required EMP to the District. The EMP should include, but not be limited to, the following:
- A. The Owner ID Nos. of all monitoring points and wetland transects;
 - B. Aerial maps showing the following:
 1. A north arrow;
 2. Section, Township, and Range;
 3. All existing production wells to be included in this application, designating the District and/or Owner ID No.;
 4. All monitored wetlands and monitoring points, designating the Owner ID No. of each point;
 - C. A complete explanation of water-level and wetland quantitative analysis and qualitative vegetative assessments to be performed, including the frequency of monitoring each or the transect with photographic documentation.

WATER CONSERVATION AND WATER USE CAUTION AREA CONDITIONS

9. The Permittee shall maintain a per capita water rate equal to or less than 150 gpd; This standard shall remain in effect until modified by rule.

For planning purposes, listed below are per-capita goals for future management periods. These goals may be established as requirements through future rulemaking by the District:

- A. By January 1, 2001, the District may establish a new per capita water use standards. Based on current information, the per capita water use goal may be established by rule at 130 gpd; and,

Permit No.: 203182.04
 Permittee: Aloha Utilities, Inc.
 Page 7

B. By January 1, 2011, the District may establish a new per capita water use standard. Based on current information, the per capita water use goal may be established by rule at 130 gpd.

By April 1 of each year for the preceding fiscal year (October 1 through September 30), the Permittee shall submit a report detailing:

- A. The population served;
- B. Significant deducted uses, the associated quantity, and conservation measures applied to these uses;
- C. Total withdrawals;
- D. Treatment losses;
- E. Environmental mitigation quantities;
- F. Sources and quantities of incoming and outgoing transfers of water and wholesale purchases and sales of water, with quantities determined at the supplier's departure point; and
- G. Documentation of reuse and desalination credits, if taken.

If the Permittee does not achieve the specified per capita rates, the report shall document why these rates and requirements were not achievable, measures taken to attempt meeting them, and a plan to bring the permit into compliance. This report is subject to District approval. If the report is not approved, the Permittee is in violation of the Water Use Permit.

The District will evaluate information submitted by Permittees who do not achieve these requirements to determine whether the lack of achievement is justifiable and a variance is warranted. Permittees may justify lack of achievement by documenting unusual water needs, such as larger than average lot sizes with greater water irrigation needs than normal-sized lots. However, even with such documented justification, phased reductions in water use shall be required unless the District determines that water usage was reasonable under the circumstances reported and that further reductions are not feasible. For such Permittees, on a case-by-case basis, individual water conservation requirements may be developed for each management period.

Prior to the 2001 and 2011 management periods, the District will reassess the per-capita and other uses conservation goals. As a result of this reassessment, these goals may be adjusted upward or downward through rulemaking and will become requirements.

- 10. The Permittee shall maintain a water conservation oriented rate structure as specified in the Basis of Review for Water Use Permitting.
- 11. The Permittee shall conduct water audits of the water supply system during each management period. Water audits which identify a greater than 12 percent unaccounted for water shall be followed by appropriate remedial actions. Audits shall be completed and reports documenting the results of the audit shall be submitted as an element of the report required in the per capita condition to the District by the following dates: February 1, 2001; and February 1, 2011. Water audit reports shall include a schedule for remedial action if needed.

Permit No.: 203182.04
Permittee: Aloha Utilities, Inc.
Page 8

12. By April 1 of each year for the preceding fiscal year (October 1 through September 30), the Permittee shall submit a residential water use report detailing:

1. The number of single family dwelling units served and their total water use;
2. The number of multi-family dwelling units served and their total water use; and
3. The number of mobile homes served and their total water use.

Residential water use quantities shall include both the indoor and outdoor water uses associated with the dwelling units, including irrigation water.

13. By January 1 of each year for the preceding fiscal year (October 1 through September 30), the Permittee shall submit a report detailing:

- A. The total annual average daily and monthly quantity of effluent supplied as reuse;
- B. For all individual customer reuse connections with line sizes of 4 inches or greater, list:
 1. line size;
 2. location of connection;
 3. account name and address;
 4. indication of meter, if present; and
 5. metered quantities, if metered.
- C. The annual average daily quantities, monthly quantities, locations, and methods of disposal for effluent that is not reused.
- D. A map or plan depicting the area of reuse service; this map should include any areas projected to be added within the next year, if possible.

14. Prior to submission of a formal application to increase quantities, the Permittee shall investigate the feasibility of desalination to provide all or a portion of the requested quantities, and to implement desalination if feasible. This report shall include a detailed economic analysis of desalination, including disposal costs, versus development of fresh water supplies, including land acquisition and transmission costs.

15. The total quantity distributed by the system, from the permitted withdrawal facilities and any external sources, shall not exceed 3,818,000 gallons per day on an average annual basis.

STANDARD CONDITIONS:

1. The Permittee shall comply with the Standard Conditions attached hereto, incorporated herein by reference as Exhibit "A" and made a part hereof.



Authorized Signature
SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

Permit No.: 203182.04
Permittee: Aloha Utilities, Inc.
Page 9

40D-2
Exhibit "A"

WATER USE PERMIT CONDITIONS

STANDARD CONDITIONS

1. If any of the statements in the application and in the supporting data are found to be untrue and inaccurate, or if the Permittee fails to comply with all of the provisions of Chapter 373, F.S., Chapter 40D, or the conditions set forth herein, the Governing Board shall revoke this permit in accordance with Rule 40D-2.341, following notice and hearing.
2. This permit is issued based on information provided by the Permittee demonstrating that the use of water is reasonable and beneficial, consistent with the public interest, and will not interfere with any existing legal use of water. If, during the term of the permit, it is determined by the District that the use is not reasonable and beneficial, in the public interest, or does impact an existing legal use of water, the Governing Board shall modify this permit or shall revoke this permit following notice and hearing.
3. The Permittee shall not deviate from any of the terms or conditions of this permit without written approval by the District.
4. In the event the District declares that a Water Shortage exists pursuant to Chapter 40D-21, the District shall alter, modify, or declare inactive all or parts of this permit as necessary to address the water shortage.
5. The District shall collect water samples from any withdrawal point listed in the permit or shall require the Permittee to submit water samples when the District determines there is a potential for adverse impacts to water quality.
6. The Permittee shall provide access to an authorized District representative to enter the property at any reasonable time to inspect the facility and make environmental or hydrologic assessments. The Permittee shall either accompany District staff onto the property or make provision for access onto the property.
7. Issuance of this permit does not exempt the Permittee from any other District permitting requirements.
8. The Permittee shall cease or reduce surface water withdrawal as directed by the District if water levels in lakes fall below applicable minimum water level established in Chapter 40D-8 or rates of flow in streams fall below the minimum levels established in Chapter 40D-8.
9. The Permittee shall cease or reduce withdrawal as directed by the District if water levels in aquifers fall below the minimum levels established by the Governing Board.
10. The Permittee shall practice water conservation to increase the efficiency of transport, application, and use, as well as to decrease waste and to minimize runoff from the property. At such time as the Governing Board adopts specific conservation requirements for the Permittee's water use classification, this permit shall be subject to those requirements upon notice and after a reasonable period for compliance.

Permit No.: 203182.04
Permittee: Aloha Utilities, Inc.
Page 10

11. The District may establish special regulations for Water Use Caution Areas. At such time as the Governing Board adopts such provisions, this permit shall be subject to them upon notice and after a reasonable period for compliance.
12. The Permittee shall mitigate, to the satisfaction of the District, any adverse impact to existing legal uses caused by withdrawals. When adverse impacts occur or are imminent, the District shall require the Permittee to mitigate the impacts. Adverse impacts include:
 - a. A reduction in water levels which impairs the ability of a well to produce water;
 - b. Significant reduction in levels or flows in water bodies such as lakes, impoundments, wetlands, springs, streams or other watercourses; or
 - c. Significant inducement of natural or manmade contaminants into a water supply or into a usable portion of any aquifer or water body.
13. The Permittee shall mitigate to the satisfaction of the District any adverse impact to environmental features or offsite land uses as a result of withdrawals. When adverse impacts occur or are imminent, the District shall require the Permittee to mitigate the impacts. Adverse impacts include the following:
 - a. Significant reduction in levels or flows in water bodies such as lakes, impoundments, wetlands, springs, streams, or other watercourses;
 - b. Sinkholes or subsidence caused by reduction in water levels;
 - c. Damage to crops and other vegetation causing financial harm to the owner; and
 - d. Damage to the habitat of endangered or threatened species.
14. When necessary to analyze impacts to the water resource or existing users, the District shall require the Permittee to install flow metering or other measuring devices to record withdrawal quantities and submit the data to the District.
15. A District identification tag shall be prominently displayed at each withdrawal point by permanently affixing the tag to the withdrawal facility.
16. The Permittee shall notify the District within 30 days of the sale or conveyance of permitted water withdrawal facilities or the land on which the facilities are located.
17. All permits issued pursuant to these Rules are contingent upon continued ownership or legal control of all property on which pumps, wells, diversions or other water withdrawal facilities are located.



An Equal Opportunity Employer

Southwest Florida Water Management District

2379 Broad Street • Brooksville, Florida 34609-6899 • 1-800-423-1476 (Florida Only) or (352) 796-7211 • SUNCOM 628-4150 • T.D.D. Number Only (Florida Only): 1-800-231-6103
Internet address: <http://www.dep.state.fl.us/swfwmd>

7601 Highway 301 North
Tampa, Florida 33637-6759
1-800-836-0797 or (813) 985-7481
SUNCOM 578-2070

176 Century Boulevard
Bartow, Florida 33830-7700
1-800-492-7862 or (941) 534-1448
SUNCOM 572-6200

115 Corporation Way
Venice, Florida 34292-2524
1-800-320-3503 or (941) 486-1212
SUNCOM 526-6900

3600 West Sovereign Palm Suite 216
Lecanto, Florida 34461-8070
(352) 427-8131
SUNCOM 667-3271

November 19, 1998

David W. Porter, P.E., C.O.
1857 Wells Road, #226
Orange Park, FL 32073

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION

Applicant Name: Aloha Utilities, Inc.
Water Use Permit Application No.: 203182.04
County: Pasco

Reference: Chapters 40D-1 and 40D-2, Florida Administrative Code (F.A.C.)

Dear Mr. Porter:

Before the District can complete its review of the application referenced above, the following information must be received.

The application to renew Water Use Permit (WUP) No. 203182.03, for public supply use to the Seven Springs service area has been received. Please be aware that the actual use of water has increased to a 12-month moving average of about 2.48 million gallons per day (MGD), which is greater than the 2.04 MGD that was authorized by the previous permit. This increase may or may not be authorized on a subsequent permit, if issued.

Additionally, in May of 1997, you and Dale Emsberger, P.E., of Civil Engineering Associates, met with John Parker and myself to discuss modification of this permit to redistribute and increase withdrawal quantities. At that time, we discussed the fact that the Aloha Utilities service area and groundwater withdrawal points (wells) are located within the Northern Tampa Bay Water Use Caution Area (NTB-WUCA) and the Northern Tampa Bay-Wellfield Impact Area (NTB-WIA). The NTB-WIA is an area that has cumulative withdrawal impacts from existing sources that already exceed the performance standards identified in the Basis of Review for WUPs, and new withdrawal quantities may not be available. Complications of increasing withdrawal quantities within this region were discussed and several options were explored, including acquiring other permitted use(s) and modifying and changing those permitted uses to public supply. We also discussed whether supplying effluent for reuse to other parties could work to the Permittee's benefit, but reached no conclusions. Unfortunately, the current permit application does not address the aforementioned topics or address where new water use quantities for the service area will come from, other than to propose additional new groundwater withdrawals. Potential sources other than new groundwater have not been mentioned, such as other acquired WUPs, additional conservation, desalination, reuse systems, aquifer storage and recovery, or interconnection to other suppliers.

- James L. Allen
Chairman, Bushnell
- James E. Martin
Vice Chairman, St. Petersburg
- Sally Thompson
Secretary, Tampa
- Ronald C. Johnson
Treasurer, Lake Wales
- Ramon F. Campo
Brandon
- Joe L. Davis, Jr.
Wauchula
- Pamela Jo Davis
Largo
- Rebecca M. Eger
Sarasota
- John P. Harilee, IV
Bradenton
- Curtis L. Law
Land O'Lakes
- Brenda Menendez
Tampa

- E. D. "Sonny" Vergara
Executive Director
- Gene A. Heath
Assistant Executive Director
- Edward B. Helvenston
General Counsel

Excellence
Through
Quality
Service

David W. Porter, P.E., C.O.

Page 2

November 19, 1998

40D-2.301 - GENERAL CONSIDERATIONS

In order to obtain a WUP, an Applicant must demonstrate that the water use is reasonable and beneficial, is in the public interest, and will not interfere with any existing legal use of water, as specified in Chapter 40D-2.301, F.A.C. (see Exhibit RAI-1).

1. Please provide reasonable assurances, on both an individual and a cumulative basis, that the proposed water use meets the conditions stated in 40D-2.301(1)(a) through (n), F.A.C. Refer to the performance standards set forth in the Basis of Review for WUP's, where applicable.

In providing reasonable assurances in accordance with 40D-2.301, F.A.C., your responses should address, but not be limited to, the following questions applicable to the conditions for issuance.

40D-2.301 (a) - REASONABLE DEMAND

On Page 3 of 4 of the Public Supply Supplemental Form, Category VI: Service, Section B, Item 2, the current population indicated is 21,159 persons. This is the same information provided on the 1997 Public Supply Survey (PSS) document. However, assumptions used to calculate population values using the number of service connections (i.e., 30 persons per commercial connection and 2.5 persons per residential and seasonal connection) is inconsistent with previous information of 2.32 persons per dwelling unit and the 1996 Florida Statistical Abstract data of 2.26 persons. Therefore, the current and future population values may be over-estimated.

2. Please provide additional documentation to support the current and projected ten-year population projections, including a more detailed description of how assumptions were determined. Also, a re-evaluation of the gross per capita use rate may be warranted. Reference Chapter 40D-2, Basis of Review, Part B, Sections 3.6 and 7.3.1.1.

40D-2.301 (b), (c), (d) - HYDROLOGIC AND ENVIRONMENTAL IMPACTS

The permit application submitted did not include an impact analysis that addresses individual and cumulative groundwater withdrawal impacts. As previously stated, the well locations are within the NTB-WIA and the current application requested withdrawal rate of 3.86 MGD (annual average day) and 4.99 MGD (peak-month day) reflects a substantial increase over the previously permitted quantities for the projected 10-year permit term.

3. Please perform individual and cumulative groundwater impact analyses that include the Applicant's proposed withdrawals and the withdrawals of other existing water users. Assess the cumulative impacts within the area affected by the Applicant's withdrawals, and determine the total contribution to impacts by the Applicant's withdrawals for the following scenarios: a) previously-permitted quantities; b) current (actual) quantities; and c) the projected 10-year withdrawal rate. It is suggested that the analyses be performed to depict drawdown impacts under average recharge, low recharge and high recharge conditions, as would be expected based upon hydrologic conditions historically experienced in the area. The impact analysis report must bear the signature and seal of the qualified professional that produced the work in accordance with Florida Statutes, Chapter 492 or 471. Reference Chapter 40D-2.301(3).
4. Please provide a copy of all modeling input/output data files (in ASCII format) on a 3.5-inch HD diskette(s) for all modeling scenarios performed for this permit application. Reference Chapter 40-D2.301(3).

David W. Porter, P.E., C.O.
Page 3
November 19, 1998

5. Please define the areal extent of lakes/wetlands within the modeled 0.2 foot water-table drawdown contour. Reference Chapter 40D-2.301(3).

The permit application did not include current aerial location map(s), as requested on the Individual Water Use Permit Application (IWUP) form, Page 2 of 6, IV Site/Withdrawal Information, Section B - Location Maps.

6. Please provide recent aerial photo map(s) legible for photo interpretation, that indicate the following items: a) a north arrow; b) a scale designation - maps should have a minimum scale of 1"= 200 or 400 feet; c) property boundaries of Aloha Utility owned property; and d) location of existing and proposed withdrawal points (wells), referenced to Owner ID numbers. Reference Chapter 40D-2.101(2).

According to previous analyses and ongoing observation, wetlands and lakes in the vicinity of existing wells are already hydrologically stressed due to the existing cumulative drawdown impacts. Therefore, a comprehensive Environmental Management Plan (EMP) for the area affected by the Applicant's withdrawals will be a requirement of the next permit, if issued. Additionally, if the Applicant's analyses establish that adverse impacts are occurring due to current withdrawal rates, or may occur as a result of increased withdrawal rates, additional monitoring may be required. The EMP should be designed to provide further detection of and mitigation of impacts. The EMP should include the establishment of a groundwater and surface water monitoring station network within the affected area.

7. Please provide the required EMP. Please be aware that the EMP, once approved, will be made a part of the conditions of the proposed permit. Also, please be aware that more environmental information may be necessary upon submittal of the response to the request for information. The EMP should include but not be limited to the following information:
- A. Assess the current conditions of representative lake/wetland types throughout the 0.2 foot water table drawdown contour identified in the groundwater modeling in Item No. 3, above, and the causal agents for any current stressed conditions. Also, it should provide for the protection of lakes/wetlands from impacts due to the new withdrawals.
 - B. The Owner ID Nos. of all monitoring points and wetland transects;
 - C. An aerial map showing the following:
 - 1. A north arrow;
 - 2. Section, Township, and Range;
 - 3. All monitored wetlands and monitoring points, designating the Owner ID No. of each point;
 - D. A complete explanation of water level and wetland qualitative analyses to be performed, including the frequency of monitoring each point or transect. The EMP should address, but not necessarily be limited to, the following:
 - 1. Installation of monitor wells or utilization of existing wells as monitor wells, and include the well construction details for each monitor well;
 - 2. Installation of surface water monitoring stations in wetlands and environmental features of concern, and include the construction details of each station;
 - 3. Sites, methods and frequency for monitoring water-level impacts (continuous recorders, piezometers, taped measurements, etc.) and water quality changes;
 - 4. Investigating and reporting drawdown related well complaints;
 - 5. Performing quantitative vegetative evaluation at adversely impacted wetlands and environmental features of concern;
 - 6. Performing photographic documentation representative of the adversely impacted wetlands and environmental features of concern.

David W. Porter, P.E., C.O.

Page 4

November 19, 1998

Also, contingency plans for mitigation of adverse impacts should be developed. Reference Chapter 40D-2, Basis of Review, Part B, Sections 5.4, 5.5, 5.8, and 7.3.5.

On the Aloha Utilities Well Listing table, the individual well pumpage distributions appear to only reflect the current permitted quantities.

8. Please provide a well table for individual wells that reflects the pumpage distribution of the withdrawals as they presently exist, and for the projected ten-year withdrawal quantity of 3.86 MGD (annual average) and 4.99 MGD (peak month). Reference Chapter 40D-2, Basis of Review, Part B, Sections 3.6 and 7.3.1.1.

40D-2.301 (e), (j), (k), (l), (m) - LOWEST QUALITY, LOCAL SOURCES, CONSERVATION, REUSE

As previously indicated, several options for increasing water quantities to the service area were discussed in our May, 1997 meeting. However, these options and/or other alternatives were not addressed in the permit application.

9. Please identify other potential water sources or technologies for meeting any existing or increased demands within the service area, other than from new (potable) groundwater withdrawals (e.g., reverse osmosis or desalination, aquifer storage and recovery, reuse systems, interconnection to other suppliers, etc.) Reference Chapter 40D-2, Basis of Review, Part B, Sections 4.4 and 7.3.6.

The current permit application relies on the Water Conservation Plan developed during the previous permit application. However, no information regarding this program's actions, findings, or progress, was provided.

10. Please provide further details regarding specific actions, findings, and progress made concerning the water conservation measures taken by the Utility and/or the various water users supplied by the Utility during the previous permit period. Please include any special service area requirements or restrictions, such as low flow and water conserving plumbing fixtures or retrofitting of such, Xeriscape requirements, local ordinances, etc. Reference Chapter 40D-2 Basis of Review, Part B, Sections 3.1, 4.10, and 7.3.1.
11. Please provide further details concerning specific water conservation measures to be implemented by the Utility and/or the various water users supplied by the Utility during the projected ten-year term of the next permit. Reference Chapter 40D-2 Basis of Review, Part B, Sections 3.1, 4.10, and 7.3.1.

40D-2.301 (n) - SALINE WATER INTRUSION

Analysis of historical well pumpage and water quality data regarding chlorides, sulfate, and total dissolved solids, should be performed to assess any relationships between increased well withdrawals and decreased water quality. The requested annual average and peak month day withdrawal quantities of 3.86 MGD and 4.99 MGD, respectively, represents an almost doubling of the currently permitted withdrawal quantity from this area, and may present a potential for movement of poorer quality mineralized water (saltwater/freshwater interface) into the potable zone of the aquifer.

12. Please demonstrate and provide reasonable assurance that the requested withdrawal quantity increases will not cause upward or lateral migration of the poor quality mineralized water (saltwater/freshwater interface) into the wells, into the potable aquifer zone, and/or cause a deterioration of the existing water quality in the area. Reference Chapter 40D-2, Basis of Review, Part B, Sections 4.5 and 5.2.

David W. Porter, P.E., C.O.

Page 5

November 19, 1998

40D-2.301 (h), (i) - OFF-SITE LAND USES/OTHER LEGAL EXISTING WITHDRAWALS

The current permit application did not include a list of adjacent property owners (APO's) within the applicable distances (either 2,640 feet from each existing well, or 400 feet from the property boundary) as requested on the permit application form, page 3 of 6, Category IV: Site/Withdrawal Information, Section C - APO's.

13. Please provide the names and mailing addresses for APO's within (either) 2,640 feet of each well or 400 feet of the property boundary. Reference Chapter 40D-2.101(3)

40D-1.607 Parts (6), (7), (8) - APPLICATION FEE

The WUP fee for this permit application is \$1000.00. Our records indicate a payment of \$750.00 was received with the permit application. A remaining fee amount of \$250.00 is still due.

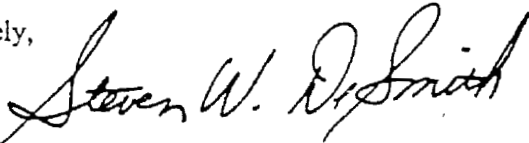
14. Please remit the remaining fee amount of \$250.00. Also, please write WUP No. 203182.04 on the check.

Please ensure that your response is received in this office within 30 days from the date of this letter. The response must reference the permit application number and include three copies of all requested information. Failure to provide the requested information within 30 days will delay the application's processing and may result in the application being processed for denial.

If the additional information cannot be provided within the stated time period, you may make a written request for a time extension, provided that an acceptable justification for the time extension accompanies the request. The time extension request should be received within 30 days from the date of this letter.

District staff would appreciate the opportunity to discuss the content of this letter with you at your earliest convenience. Please contact me at the Brooksville Service Office, extension 4324, if you have questions concerning the information requested or the District's procedures.

Sincerely,



Steven W. DeSmith, P.G.
Brooksville Regulation Department

SWD:JAD:mjs98-934

Enclosure: As stated

cc: File of Record, WUP No. 203182.04
Cashier, Accounting Section
John Heuer, P.G., Deputy Executive Director
A. Paul Desmarais, P.E., Director
James Robinson, Office of General Counsel
Ken Weber, P.G., Chief Regulation Geologist
John Parker, P.G., Water Use Regulation Manager
Leonard Bartos, P.W.S., Environmental Regulation Manager
Julie A. DeFoe, Environmental Scientist
Stephen Watford, Vice President, Aloha Utilities, Inc.



INDIVIDUAL WATER USE PERMIT APPLICATION

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

2378 BROAD STREET • BROOKSVILLE, FL 34609-6899 • (904)796-7211 or FLORIDA WATS 1(800)423-1476
 (SEE LAST PAGE OF THIS FORM FOR YOUR LOCAL PERMITTING OFFICE)

USE FOR QUANTITIES OF 500,000 GALLONS PER DAY OR GREATER

THIS FORM MUST BE COMPLETED FOR ALL APPLICANTS REQUESTING ANNUAL AVERAGE QUANTITIES OF 500,000 GPD OR GREATER. OTHER APPLICANTS MUST COMPLETE THE APPLICATION FORM CORRESPONDING TO THE PROPOSED QUANTITY. THIS INFORMATION IS REQUESTED IN ACCORDANCE WITH RULES 40D-2.101 AND 40D-2.301, FLORIDA ADMINISTRATIVE CODE.

*AN ASTERISK IDENTIFIES ITEMS TO BE INDICATED ON SITE MAP; YOU MAY USE THE MAP REQUESTED IN ITEM IV, SECTION B OF THE WUP APPLICATION.

PLEASE SUBMIT THREE COPIES OF THIS APPLICATION ALONG WITH THREE COPIES OF THE APPROPRIATE SUPPLEMENTAL FORM (IF REQUIRED), DRAWINGS, CALCULATIONS, ETC.

I. GENERAL INFORMATION

1. Type of Application (Check One): New Renewal Modification

2. Water Use Permit Number (If application is for renewal or modification): 203182.02

NOTE: "Applicant" is the name under which the permit will be issued (examples: Robert Jones; Baker Groves, Inc., Aome Industries, City of Sundale.) All correspondence will be addressed to the applicant unless an alternate contact is requested in Item 4.

3. APPLICANT

NAME Aloha Utilities, Inc. TELEPHONE (813) 937-4275

ADDRESS 2514 Aloha Place COUNTY Pasco

CITY, STATE, ZIP Holiday, Florida 34691

Applicant is: Owner Lessee Other

4. CONTACT OR CONSULTANT - Address all correspondence to the person identified below? Yes No

NAME David W. Porter, P.E., C.O.

ADDRESS 1857 Wells Road, Suite 226 TELEPHONE (804) 269-6773

CITY, STATE, ZIP Orange Park, Florida 32073

5. OWNER (IF OTHER THAN APPLICANT)

NAME N/A

ADDRESS _____ TELEPHONE () _____

CITY, STATE, ZIP _____

II. PROPERTY CONTROL

1. Provide a legal description of the property served by this application. Attached Documents provided at last renewal.

2. This property is: Owned by the applicant Leased by the applicant Applicant has other legal control
 Wells 8&9 Wells 1, 2, 3, 4, 6, & 7

3. Leased property: Provide a copy of either (check type of document that is attached):
 Copy of lease Letter signed by the property owner describing the lease arrangement and the duration of the lease

NOTE: Permits will not be issued for a duration longer than the lease, unless the lease is renewable. If renewable, the applicant may be required by Permit Condition to provide a copy of the renewed lease at the appropriate time. The property owner and the lessee must sign this application in Section VII.

4. Other Legal Control: If the applicant has legal control over the property other than a lease agreement, please provide a description on an attached sheet Attached N/A Document provided at last renewal

III. CLASSIFICATION

SECTION A - Quantity

1. Annual average quantity applied for, in gallons per day (gpd). This quantity should reflect the amount needed six years and ten years hence, or for the remainder of permit duration, if the application is for a modification:

6 years: _____ (gpd) 10 years: 3,860,000 (gpd) Other: _____ (gpd)

2. Indicate the requested peak monthly pumpage quantity. See Section 3 of the *Basis of Review* for an explanation of this quantity.

6 years _____ (gpd) 10 years 4,990,000 (gpd) Other: _____ (gpd)

SECTION B - Water Use

3. Indicate all that apply. Information Supplements must be filled out for all uses. See Section 3 of the *Basis of Review* for explanations of the use classifications.

- Public Supply Recreation or Aesthetic Agricultural
- Industrial or Commercial Mining or Dewatering

4. Indicate the date on which the use of water was initiated or is proposed for initiation (month/day/year): 2/6/79

5. Indicate the quantity and source of any reuse water used by the applicant:

Annual Average Quantity 900,000 gpd; Peak Month Quantity 900,000 gpd; Source: Seven Springs WWTP
Expected to increase to 1,200,000 gpd within 2 years

IV. SITE/WITHDRAWAL INFORMATION

SECTION A - Acreage

1. Number of acres Owned: _____; Leased: _____; Serviced 7,173.

2. Describe the location of the property contained in this application by Section, Township, Range, 1/4 Section:

Section _____, Township _____, Range _____ 1/4 Section _____ See service area map on file with District.

SECTION B - Location Maps See service area map on file with District.

3. Provide a recent aerial map showing: (a) a north arrow; (b) a scale designation - all maps should have a minimum scale of 1"= 2,000'; (c) landmarks such as roads and political boundaries; (d) property boundaries - include approximate lengths of boundaries in feet; (e) withdrawal point locations - label withdrawal points, indicate the distance from the withdrawal points to the nearest property boundaries in feet, *(if the withdrawal points are located on non-contiguous parcels, provide separate large-scale maps in addition to a large-scale map which includes all parcels); (f) the area serviced or irrigated, *(if the area serviced or irrigated is a distance from the withdrawal locations, provide separate map[s]).

*May require separate or additional maps.

4. Use a Map (not necessarily an aerial) or a sketch of the applicant's property and surrounding area to indicate: See facility location map on file with District.

- a. Approximate location of other wells not owned by the applicant including domestic wells, irrigation wells, public water supply wells, etc. within the distance set forth in Item 5, Table 1, below. Supplemental locations at a greater distance may be required.
- b. Location of monitoring wells, including reference numbers.
- c. Wetlands greater than 0.5 acre in size, covering the area within the distance set forth in Item 5, below. Substantial off-site drawdown impacts may require additional aerial coverage. Mining applicants requirements differ, and are provided on the Mining and Dewatering Supplemental Form, Form No. WUP-6.

SECTION C - Adjacent Property Owners

5. Submit a listing of the names and mailing addresses of property owners near the property contained in this application, based on the quantity to be withdrawn and the table provided below. You may choose a distance from either your property boundary or your withdrawal point. The District may require additional potentially affected property owners to be submitted. Submitted with last renewal

Section C, Item 5 continued on Page 3

Section C, Item 3 continued from Page 2

TABLE 1 - FOR WELL OR MINE PIT WITHDRAWALS OF:

Average GPD on an Annual Basis	OR	Maximum GPD During Any Single Day	Provide Information on the Following:
500,000 gpd but less than 1,000,000 gpd		More than 5,000,000 but not more than 10,000,000 gpd	All property owners within 1,320' of the well, or within 200' of your property boundary
1,000,000 gpd or greater		More than 10,000,000	All property owners within 2,640' of the well, or within 400' of your property boundary

Submitted with last renewal

TABLE 2 - FOR SURFACE WATER WITHDRAWALS: N/A

If your withdrawal is from a lake with a surface area of 80 acres or less, list below all riparian owners on the lake or impoundment.

If your withdrawal is from a lake larger than 80 acres, list below all riparian owners in either direction 860' from point where applicant's property intersects the shoreline.

If your withdrawal is from a stream and if the maximum daily average pumpage is less than 5,000,000 gpd, list below all riparian owners 600' upstream and 1,320' downstream from your property boundaries at the shoreline.

If your withdrawal is from a stream and if the maximum daily average pumpage is greater than or equal to 5,000,000 gpd, list below all riparian owners 1,320' upstream and 2,640' downstream from your property boundaries at the shoreline.

Name	Mailing Address

Section D - Withdrawal Points

6. Groundwater Withdrawals. Include all wells on property greater than 2" in diameter, whether active or inactive, and whether existing or proposed, in the table on the following page:

TABLE SWFWMD I.D. No. - the withdrawal number assigned by the District, if existing.

LEGEND: Owner I.D. No. - the owner's I.D. number.

Construction Date - the approximate date that withdrawal point became operable.

Average Withdrawal Rate - the total quantity of water to be withdrawn in one year divided by 365.

Peak Monthly Withdrawal Rate - the maximum quantity to be withdrawn in a single month.

Maximum Daily Withdrawal Rate - the maximum quantity to be withdrawn in any single day.

Standby - refers to status of wells that would not be used unless another well becomes inoperable.

Cap - the well is capped.

Meter refers to whether a flow meter is installed: if several withdrawals are connected to the same meter (ganged), indicated by placing a letter character (a, b, etc.) instead of a check mark, linking those interconnected withdrawals by like characters.

Monitor refers to water level or water quality monitors. Indicate the type of monitor by placing an L ("Level"), Q ("Quality"), or both in the space provided. The absence of checkmarks or letters indicates active status.

Mainline Diameter - refers to the outside diameter of the main discharge pipe.

Proposed - check if the withdrawal point is proposed rather than existing.

Section D, continued on Page 4

Section D, continued from Page 3 See attached Table

ID No. SWFWMD	ID No. Owner	Diameter	Total Depth	Depth Cased	Construction Date	Pump Capacity (gpm)	Withdrawal Rate		Proposed	Status (check):			Mainline Diameter
							Average Annual	Peak Month		Mon.	Subdy.	Cap.	

7. Indicate the future use of any capped source: None

8. Indicate the parameters sampled for any monitor wells listed above: N/A

9. **Surface Water Withdrawals** - See the Groundwater withdrawal section above for explanation of most terms. Source name is the name of a lake, stream or other waterbody N/A

ID No. SWFWMD	ID No. Owner	Source Name	Lake Acreage	Intake Diameter	Pump Capacity (gpm)	Withdrawal Rate		Proposed	Status (check):			Mainline Diameter
						Average Annual	Peak Month		Active	Subdy.	Metered	

10. **Other Sources** - Describe any other sources of water, such as from utilities, treated waste water effluent, etc. List annual average and peak month quantities for each additional source :
Pasco County (Emergency Connection - used as backup source)

V. IMPACTS

Are you aware of any adverse impacts that your withdrawals have or may have on other water users, offsite land uses, the water resources, or environmental features? If so, provide a detailed explanation of the impact and your plans to deal with it.

None Anticipated Explanation Attached

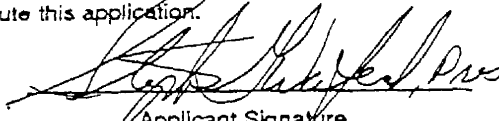
VI. HYDROGEOLOGY

Provide any information available on regional and site-specific hydrogeology, including aquifer characteristics, for all aquifers existing in the area of your withdrawals. Provide documentation and references in support of this information. If you do not have such information, hydrogeologic testing may be required either as additional information in support of your application, as a condition of the permit, or both. The District may use appropriate regional data in lieu of or in addition to submitted information to assess the impacts of your withdrawals. New hydrogeologic testing should follow the guidelines of Part C, *Permit Information Manual*.

On file at District

VII. APPLICANT CERTIFICATION

I hereby certify that the information contained herein is true and accurate and that I have legal authority to undertake the activities described herein and execute this application.


Applicant Signature

10/19/98
Date

I hereby certify that the applicant has sufficient legal control of the property described in this application.

See "Other Legal Control" documentation supplied at last renewal.

Property Owner (if other than applicant)

Date

APPLICANT CHECK LIST:

Attachments requested in support of this application:

- 1. (Section II-1) Copy of Legal Description
- 2. (Section II-2) Copy of Current Lease
- 3. (Section II-3) Description of Other Legal Property Control
- 4. (Section IV-3) Aerial Map
- 5. (Section IV-4) Site Map
- 6. (Section IV-5) Adjacent Property Owners
- 7. (Section VI) Hydrologic Information
- 8. Appropriate Supplemental Form

Attached N/A

- On file with District
-
- ON file with District
- ON file with District
- On file with District
- On file with District
- On file with District
-



WATER USE PERMIT APPLICATION SUPPLEMENTAL FORM
SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

2379 BROAD STREET • BROOKSVILLE, FL 34609-6899 • (904)796-7211 or FLORIDA WATS 1(800)423-1476

PUBLIC SUPPLY

ANSWER ALL QUESTIONS. IF A QUESTION IS NOT APPLICABLE, ENTER N/A. IF MORE SPACE IS NEEDED, ATTACH ADDITIONAL SHEETS AND REFER TO THE APPLICATION QUESTION NUMBER. PROVIDE DOCUMENTATION AND REFERENCES WHERE APPROPRIATE. IF THERE ARE OTHER USES, COMPLETE THE APPROPRIATE SUPPLEMENTAL FORM(S). THIS INFORMATION IS REQUESTED IN ACCORDANCE WITH RULES 40D-2.101 AND 40D-2.301, FLORIDA ADMINISTRATIVE CODE.

*AN ASTERISK IDENTIFIES ITEMS TO BE INDICATED ON SITE MAP; YOU MAY USE THE MAP REQUESTED IN ITEM IV, SECTION B OF THE WUP APPLICATION.

PLEASE SUBMIT **THREE COPIES** OF THIS SUPPLEMENTAL FORM ALONG WITH YOUR APPLICATION, DRAWINGS, CALCULATIONS, ETC.

I. GENERAL INFORMATION

APPLICANT: Aloha Utilities, Inc. WUP No.(If Existing): 203182.02
(Same as shown on WUP application)

II. SITE /FACILITY INFORMATION

SECTION A - Wastewater Treatment

1. Describe existing and proposed wastewater treatment plants and major treated effluent transmission lines within the area serviced; include DER rated capacity, potential capacity, disposal area, and method of treatment. Seven Springs WWTP with present permitted capacity of 1.2 mgd. Presently, 0.9 mgd of effluent reused on cattle grazing land located within service area offsetting previous aquifer withdrawals for irrigation of grass. Presently in permitting is project to increase reuse quantity to 1.6 mgd by adding golf course, business and residential landscape irrigation.

SECTION B - Fire Flow

2. Describe fire flow and standby capacity. Pasco County requires 500 gpm for single family residential fire flow and 750 gpm for multifamily residential. The commercial fire flow capacity requirement is 1,000 gpm. Aloha has a pumping capacity of 3,500 from the existing and proposed wells. In addition, Aloha maintains an emergency connection with Pasco County that has a capacity of 1,800 gpm additional capacity over that available with Aloha's wells. The existing ground storage tank has a capacity of 500,000 gal and 2,000 gpm pumping capacity. Well number 1 also has an auxiliary gas powered engine.

SECTION C - Wellfield Operation Schedule

3. Describe the typical wellfield operation schedule. Include in the description those wells that are primary, secondary (peaking), stand-by and the well rotation schedule, if any. All wells are pumped throughout the year unless it is taken out of service for repair, therefore, all wells are primary wells.

SECTION D - Surface Water Management

4. Is a surface water management system proposed? Yes No ; existing? Yes Permit No. _____ No
If "yes," provide an evaluation of the impact of the proposed withdrawal on the surface water system, and conversely, the impact of the surface water management system on the withdrawal and water availability at the project site must be submitted. Attached N/A

III. WATER USE

SECTION A - Annual Average Quantities in Gallons Per Day (gpd)

The applicant may supply the following information divided into wholesale and retail categories, or may combine them. If the quantities are divided, the two categories must be totalled.

	Present	Late 1998	Projected 6 Year	Projected 2009 10 Year
1. Residential Single-Family	2,556,813			3,860,000
2. Residential Multi-Family	Included in residential			Included in residential
3. Other Metered Uses	Included in residential			Included in residential
4. Other Uses (gpd)	19,512			35,000
5. TOTAL AVERAGE WATER USE (GPD)	2,576,325			3,895,000

SECTION B - Other Uses (Itemized)

You must complete this section if the Other Use quantity in Section A exceeds 15%. Please provide calculations and references for each component identified below. If the other use quantity in Section A is 15% or less, you are not required to complete this section but may do so, at your option.

6. Commercial/Industrial non-process			
7. Commercial/Industrial process			
8. Recreation Irrigation			
9. Fire Fighting (testing, etc.)			
10. Water Utility Use			
11. Treatment Losses			
12. Unaccounted Use			
13. TOTAL OTHER USES (Enter on Line 4, above)	Total of all Section B uses shown in Section A above		

SECTION C - Recreation Irrigation N/A

14. If any of the projected water use will be for irrigation of golf courses or recreational areas (excluding residential lawns and landscaping), respond to Items a through c below. If these quantities are greater than 100,000 gpd average annual, you must fill out the Recreational Supplemental Information form.

- a. Type(s) of vegetation to be irrigated _____
- b. Area in acres which will be irrigated, for each type of vegetation (include on map) _____
- c. Type of Irrigation System(s) _____

SECTION D - Seasonal Fluctuations

15. If a significant seasonal and/or tourist population is experienced, describe how this influences per-capita water use.

Seasonal population is not significant.

SECTION E - Peak Month Quantity (gpd)

	Present 97/98	Projected 6 Year	Projected 10 Year
16. Provide the quantity needed in the peak month	3,580,000 gpd		4,990,000 gpd
17. Provide documentation and calculations for these quantities.	<input checked="" type="checkbox"/> Attached		

IV. DESALINATION/AQUIFER STORAGE OR RECOVERY

SECTION A - Desalination N/A

1. If your system includes desalination, indicate the following:
 - a. Withdrawal capacity _____ gpd
 - b. Potable water supply capacity _____ gpd
 - c. Reject water discharge capacity _____ gpd
 - d. Treatment efficiency ratio (ratio of treated water to reject): _____
 - e. Amount of raw water that can be blended with the R.O. permeate: _____ gpd
 - f. Highest level of total dissolved solids (TDS) or chlorides that can be efficiently and economically treated using the installed membranes. _____ mg/l
 - g. Chloride ion concentration in rejected water: _____ mg/l and receiving water body: _____ mg/l
 - h. Location of effluent discharge on a map.

SECTION B - Aquifer Storage Recovery N/A

2. If Aquifer Storage Recovery is used, describe the operation of this system (use separate sheet if necessary).

V. LEGAL - INSTITUTIONAL INFORMATION

1. If regulated by the Public Service Commission, indicate the certificate number of each Public Service Commission certificate, provide a copy of the description of the certificated service area and provide a map of the certificated area.
 Certificate No. 136-W Description/map attached N/A
2. Describe legal rights or intent of acquisition for proposed well or wellfield sites. _____
 No new sites
3. Is the wellfield protected by a Wellfield Protection Ordinance? Yes No If "yes," provide a copy of the Ordinance, and discuss whether the proposed water use will affect existing land uses as a consequence of the Ordinance. Please see Pasco County Land Use Regulations Section 612.4.

VI. SERVICE

SECTION A - Wholesale Users:

1. List all wholesale customers served by this application, and specify the percentage of each customer's total demand and the quantity that is supplied by this application.

Customer name and mailing address:	%	Quantities (gpd)	
None		Annual Avg.	Peak Month
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

SECTION B - Distribution, Wholesale and Retail:

	Present	Late 1998	Projected 6 Year	Projected 10 Year 2009
2. Population Served	21,159	_____	_____	35,800
3. Per-capita use (gpd/person)	93	_____	_____	107
4. Finished Water Storage Capacity (gallons)	500,000	_____	_____	2,000,000
5. Acreage Served - Retail	7,173	_____	_____	7,173
6. Acreage Served - Wholesale	N/A	_____	_____	N/A

SECTION C - Maps Pertaining to Service (You may use the map requested in Item IV, Section B of the application form, if appropriate)

7. Provide a map or maps of the area supplied including outlines of the current Service Area(s), Wholesale Area(s), and projected Service Area(s) and Wholesale Area(s) for a minimum time equal to the duration of the permit. Indicate locations of the following items on the map(s), as applicable:

- a. water withdrawal sites; Submitted last renewal.
- b. water level and water quality monitoring sites;
- c. raw water treatment facilities and wastewater disposal or discharge sites;
- d. major water transmission mains, including existing, planned, and potential intersystem connections,
- e. wastewater treatment sites and treated wastewater transmission facilities (including major transmission lines and interconnections);
- f. any proposed construction associated with measures referenced in the required water conservation plan for public supply systems of 500,000 average gpd or greater;
- g. water storage facilities;
- h. major landmarks, such as roads, rivers, and lakes.

All maps must include a north arrow and have the scale indicated. A legend must be provided to define any symbols not otherwise identified. If any of the required information is located beyond the limits of the service area map(s), provide additional maps as needed to locate the remaining items. Include a separate map if the withdrawal locations are not contiguous with the area served, or if the well parcels are not on contiguous owned/controlled property. All maps should be of a scale of 1" = 2000' or larger, however other scales may be accepted.

8. Provide written agreements from all wholesale water purchasers stating that they will abide by the terms and conditions of the permit. Attached N/A

9. Provide a letter indicating that the local government has adopted provisions for the enforcement of the Water Conservation Act, Section 553.14, F.S. Attached N/A

VIII. WATER CONSERVATION

Attach a description of water conservation practices currently employed or planned. If planned, include an estimated time-frame for implementation. Attached

Water Conservation Plan prepared during last renewal is still in use. Copy on file with District.

Aloha Utilities Well Listing

10/19/98

SWFWMD ID #	Owner ID #	Status	Well Dia.	Total Depth	Depth Cased	Const. Date	Pump Cap. (gpm)	Permitted Withdrawal Rate		Location		S-T-R	Quad. Map
								Ave. Day (gpd)	Peak Mo. (gpd)	Latitude	Longitude		
							1,000	306,000	630,000	28-11-45	82-38-13	30-26-17	Elfers
21	1	P.S./MET.	10"	280'	84.3'	May-62	500	306,000	432,000	28-11-38	82-37-21	29-26-17	Odessa
22	2	P.S./MET.	8"	500'	303'	Jun-73	200	102,000	136,000	28-12-22	82-40-23	23-26-16	Elfers
19	3	P.S./MET.	6"	350'	UNK.	Jan-73	200	102,000	255,000	28-12-23	82-40-14	23-26-16	Elfers
20	4	P.S./MET.	6"	350'	UNK.	Jan-73	200	102,000	255,000	28-13-49	82-39-31	13-26-16	Elfers
23	6	P.S./MET.	8"	305'	120'	Sep-79	300	278,000	351,000	28-13-41	82-39-11	13-26-16	Elfers
24	7	P.S./MET.	8"	302'	145'	Oct-79	300	334,000	457,000	28-11-13	82-41-31	34-26-16	Elfers
26	8	P.S./MET.	6"	342'	226'	May-94	500	306,000	471,000	28-11-02	82-41-42	34-26-16	Elfers
27	9	P.S./MET.	10"	342'	220'	May-94	500	306,000	471,000	28-11-02	82-41-42	34-26-16	Elfers

P.S = Public Supply
MET. = Metered
UNK. = Unknown