

Drinking Water Research Center

**1999-2000 CENTERS/INSTITUTES AND ACADEMIC SUPPORT UNITS  
PLANNING AND ACCOUNTABILITY REPORT**

Unit Name:	Drinking Water Research Center (Water Research Center)	Unit Administrator:	Berrin Tansel
Report Prepared by:	Madelayne Cordero	Telephone Number:	305-348-2928
Date Submitted:	April 1, 1998		

If this a SUS recognized Institute or Center:

Indicate which type: III

Associated Disciplines:

(List the 2-digit Classification of Instructional Programs (CIP) code(s) of the closely affiliated academic programs.)

**PART I: MISSION, ORGANIZATION, TRENDS AND GOALS**

A. MISSION Enter complete mission statement here, or insert as a separate page.

Established in 1977 as part of the College of Engineering and design, the Center's mission is to conduct applied research on water-related environmental problems, and through that research, to teach and to serve the community.

B. EXTERNAL TRENDS

What external trends may influence your programs or operations over the next five years?  
How do you plan on adjusting to these?

None

C. STRATEGIC DIRECTIONS AND AREAS OF EMPHASIS

Provide a vision of your unit in five years from now. Include strategic directions and special areas of emphasis in which you expect to be known for excellence.

The Drinking Water Research Center will become the Water Research Center and again assume prominence in water quality research, with emphasis shifting from drinking water, to all applied water quality research and development in surface and ground water. Remediation of contaminated water and proactive prevention of contamination will be emphasized in teaching and research.

In order to achieve this goal the Water Research Center will develop state-of-the-art analytical capability to support applied water quality research which will bring national recognition to FIU. WRC will develop problem solving and technology development capabilities in water quality management to attract funding in: Contaminant assessment studies, water quality monitoring, risk assessment, and process monitoring.

D. LONG TERM GOALS (What actions will you take to attain your vision?)

List long range goals (5 to 10 years) and expected outcomes. Limit these to 6 to 12 major goals. List in priority order, the first being of greatest importance.

Note how success in attaining these can be measured.

If these were included last year, then state outcomes and new goals.

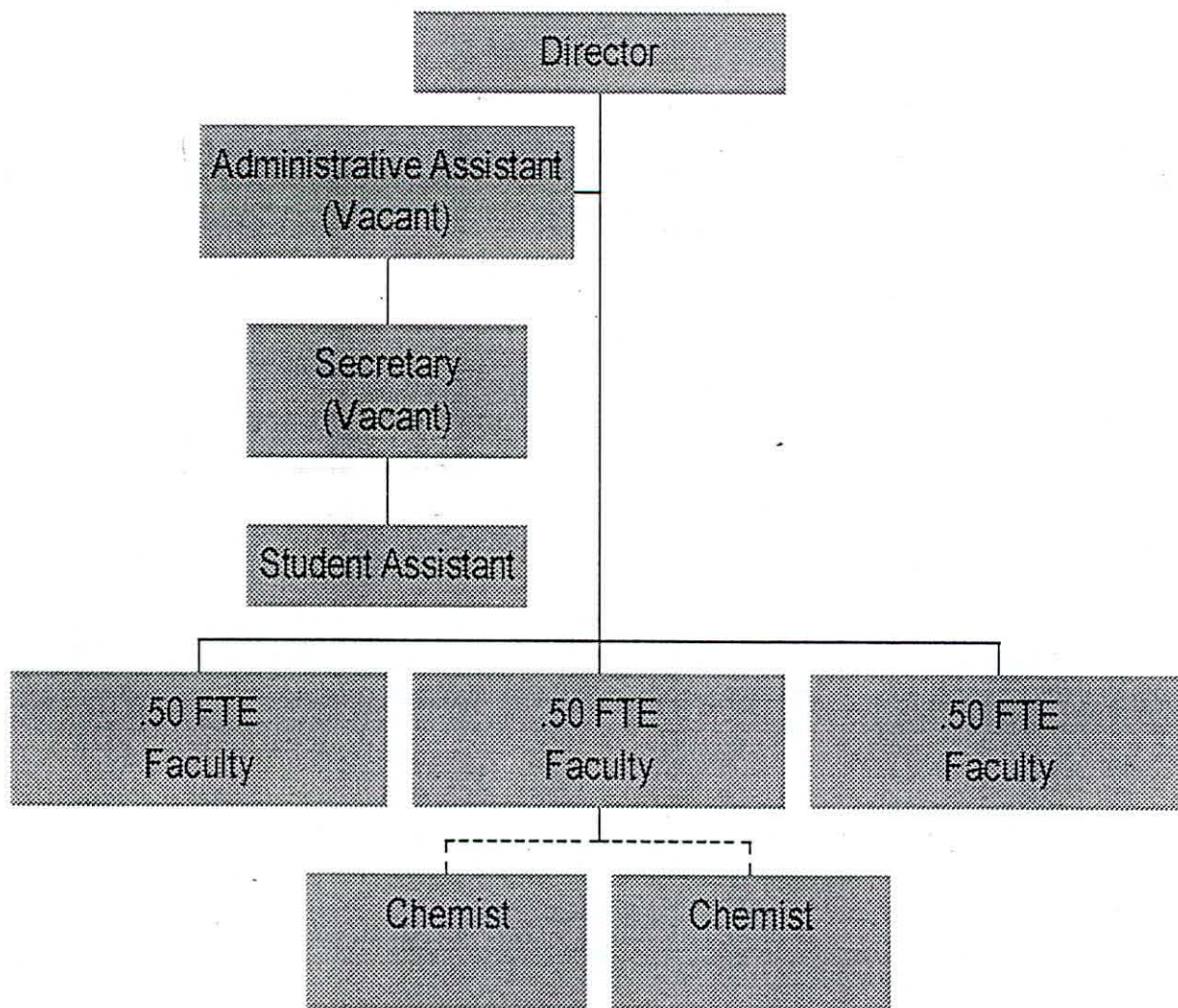
Develop state-of-art analytical capability to support applied water quality research.

Provide proactive research and education to the area, including internet dissemination of information, testing of toxins, pollutants and environmental contaminants, remediation solutions and preventive measures.

E. ORGANIZATIONAL ISSUES

Place current organizational chart here, or insert as separate page.

# Drinking Water Research Center



F. ANNUAL OPERATIONAL GOALS AND OUTCOMES

Provide an assessment of the one-two year goals specified last year.

- 1998-99 New Goal:** Continue to shift the focus of the Center from drinking water to a water quality center
- 1997-99 New Goal:** Expand our analytical laboratory facilities.
- 1997-98 Goal:** Obtain all the laboratory space required by the Center to carry out its expended reseach mission.
- 1997-98 Outcome:** The EAS building is currently being remodeled to accomadate future space requirements.
- 1998-99 New Goal:** Move into larger laboratory space once remodeling is completed.
- 1997-98 Goal:** Continue development for an external advisory board for the Center.
- 1997-98 Outcome:** Nothing further was done to continue development of an external advisory board for the Center.
- 1999-99 Goal:** Continue development of an external advisory board for the Center.
- 1997-98 Goal:** Continue to support FIU faculty who are doing environmental research.
- 1997-98 Outcome:** DWRC supported environmental research of FIU faculty.
- 1996-97 Goal:** Where possible, support environmental research in collaboration with faculty at FIU who are not presently on joint DWRC lines.

PART II: SPECIAL TOPICS AND GOALS

On the following pages are specific topics which are of importance for the management of our programs. Feel free to add qualitative statements and comments as needed to convey your intentions.

A. FUNDING

1. Long-Term Contracts and Grants: In general the goal is to increase by 17% per year.

Fill in the blank row if your unit is not listed.

LONG-TERM CONTRACTS AND GRANTS GOALS (\$)									
YEAR	93/94 Actual	94/95 Actual	95/96 Actual	96/97 Goal	96/97 Actual	97/98 Goal	98/99 Goal	99/00 Goal	00/01 Goal
CENTERS, INSTITUTES AND OTHER ACADEMIC UNITS									
Art Museum	0	0	26943	30000		33000	35000	37500	40000
Aging	257,000.00	406854	87574	100000		130000	140000	150000	165000
University Outreach	0	0	65527	87000		97625	109311	117441	128555
Cuban Research Inst.	0	0	187380	190000		200000	200000	220000	220000
Drinking Water RC	174878	145032	223564	250000	178607	250000	265000	270000	285000
Entrepreneurial Studies	156000	95000	80000	100000		125000	125000	140000	150000
HCET	0	0	3255622	3418403		3600000	3850000	3850000	3900000
High Perf. Database RC	0	0	993069	1021000		1086000	1123050	1184135	1201424
Inst. Children & Families	1059235	1699819	-15892	120000		165000	172000	191000	209000
Joint Ctr. Env. Problems	7000	98096	39129	64000		85000	95000	105000	112000
Labor Center	0	0	763042	775000		775000	790000	790000	800000
Latin American	363586	331554	85000	92112	-	150000	160000	175000	185000
Library	4845	4844	10068	5500		6500	7000	7500	8000
Prof. Development Ctr	0	0	1237558	1250000		1760000	1880000	1980000	2130000
Public Policy		72638	7400	50000		116338	136115	159255	186328
SERP	0	0	2731416	2800000		2950000	2950000	3050000	3100000
SBDC	0	0	586706	595000		605000	615000	624000	628000
Undergraduate Studies	0	0	0	50000		136890	160161	187389	219245
Women's Studies	0	0	276584	302910		345000	365000	380000	400000

2. Private Sector Fund Raising Funding. Restricted Gifts, Cash and In-Kind Services by Calendar Year (January 1 to December 31). Total Dollars. Your 1997 goal was set last year, if you change it please note your justification. Indicate your goals for 1998 and 1999. If your unit is not listed, then enter in blank row.

PRIVATE SECTOR FUND RAISING RESTRICTED GIFTS RECEIVED BY CALENDAR YEAR							
	Actual 1994	Actual 1995	Goal 1996	Actual 1996	Goal 1997	Goal 1998	Goal 1999
Aging	500	1,900	10,000	9,961	50,000	50,000	
Art Museum	86,468	221,511	0	786,628	1,000,000	1,500,000	
Univ. Outreach	18,139	18,215	800,000	504,608	400,000	400,000	
Joint Center	0	0	0	0	0	0	
Judaic Studies	100	1,000	0	0	0	0	
Labor Center	4,800	2,600	5,000	475	5,000	5,000	
Latin American	3,993	7,550	10,000	10,655	10,000	10,000	
Library	10,110	25,150	14,000	186,329	150,000	200,000	
Public Policy	0	0	0	0	0	0	
Undergraduate Std.	25,000	21,000	75,000	15,000	85,000	85,000	
Women's Studies	0	0	0	0	0	0	
Drinking Water RC	0	0	0	0	0	10,000	15,000
Actuals reflect new gifts, cash, pledge payments and in-kind gifts received during the calendar year from Jan 1 to Dec. 31.							

3. The goal is to reduce dependance on State E&G Funding.

E&G Percent of Total Budget Centers, Institutes, and Academic Support Units												
	Goal 96/97			Goal 97/987			Goal 98/99			Goal 99/00		
	Total Budget \$	E&G Income \$	E&G %	Total Budget \$	E&G Income \$	E&G %	Total Budget \$	E&G Income \$	E&G %	Total Budget \$	E&G Income \$	E&G %
DWRC	766,313	474,444	.61	842,944	505,766	.60	927,238	574,888	.62	1,019,961	632,376	.62

## B. BUDGET AND PERSONNEL

Enter into the following table your budget and personnel request. See Appendix I for instructions.

If there are expenditures and position allocations from accounts outside of unit, please note these on a page following the table.

Discuss your budget and position justifications and comments here:

Unit Name: Water Research Center	Director : Dr. Berrin Tansel	Prepared by: Madelayne Cordero
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Type: III	(If Institute/Center note I, II, III, IV)	Associated Disciplines (CIPs):	Phone:348-2928	Date: 3-23-98
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BUDGET AND PERSONNEL REPORT																
EXPENDITURES		Actual Expenditures 1997/98					Request 1998/99					Request 1999/00				
		E&G	C&G	Fees for Services	Private & Other	TOTAL	E&G	C&G	Fees for Services	Private & Other	TOTAL	E&G	C&G	Fees for Services	Private & Other	TOTAL
Salaries & Benefits	FAC	230,662	46,906	0	0	277,568	331,207	51,597	0	0	382,304	353,828	56,240	0	0	410,068
	A&P/ USPS	157,405	0	0	0	157,405	168,544	0	0	168,544	181,859	0	0	0	0	181,859
	Total	446,027	46,906	0	0	492,943	499,751	51,597	0	0	550,848	535,687	56,240	0	0	591,927
Other Personnel Services	Grad. Asst	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Other	21,049	0	0	0	21,049	26,737	0	0	26,737	29,411	0	0	0	0	29,411
Expenses		42,193	0	0	0	42,193	54,683	0	0	54,683	60,151	0	0	0	0	60,151
Operating Capital Outlay		2,000	0	0	0	2,000	3,993	0	0	3,993	4,392	0	0	0	0	4,392
Electronic Data Processing		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Special Categories		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Expenditures		520,324	46,906	0	0	565,704	585,164	51,597	0	0	636,261	629,641	56,240	0	0	685,881



ALLOCATION POSITIONS	Actual Allocations 1997/1998					Request 1998/99					Request 1998/99				
	E&G	C&G	Fees for Services	Private & Other	TOTAL	E&G	C&G	Fees for Services	Private & Other	TOTAL	E&G	C&G	Fees for Services	Private & Other	TOTAL
Faculty Positions (Personyears)	4.0	1.5	0	0	6.5	4.0	1.5	0	0	6.5	4.0	1.5	0	0	6.5
Other Positions (Personyears)	5.0	0	0	0	5.0	5.0	0	0	0	5.0	5.0	0	0	0	5.0
Total Positions (Personyears)	9.0	1.5	0	0	11.5	9.0	1.5	0	0	11.5	9.0	1.5	0	0	11.5
Sum of Rates for <u>Faculty</u> Positions	230,662	46,906	0	0	277,568	331,207	57,597	0	0	382,804	364,327	56,757	0	0	421,084
Sum of Rates for <u>Other</u> Positions	157,405	0	0	0	157,405	168,544	0	0	0	168,544	183,398	0	0	0	185,398
Sum of Rates for <u>All</u> Positions	388,067	46,906	0	0	434,973	499,751	57,597	0	0	550,848	549,726	56,757	0	0	606,483

On a separate page note expenditures and position allocations from accounts outside of Institute/Center. Be sure to note actual in 1996/97 and requests for 97/98 and 98/99. Budget justification and comments should accompany separate section. See Appendix I for instructions.

**C. PUBLICATIONS AND OTHER PRODUCTIONS**

1. Number of publications and other media produced, or faculty productions which give credit or acknowledgment to the unit for its support.

Number of publications and other media produced, or faculty productions which give credit or acknowledgment to the unit for its support						
	94/95 Actual	95/96 Projected	95/96Actual	96/97 Goal	97/98 Goal	98/99 Goal
	#	#	#	#	#	#
Books authored and published	0	0	0	1	0	1
Articles published in refereed journals	24	41	41	28	20	35
List categories most appropriate						
Book Chapters			3	3	3	1
Articles/abstracts in conference proceedings		43	43	25	20	30

**D. FACULTY INTEGRATION/COLLABORATION/SUPPORT:**

Indicate the forums provided by the unit for the presentation of faculty research and those which support faculty teaching, research and service interests. Indicate ways in which faculty are involved with the unit, such as advisory committees, forums, presentations, etc.

The Water Research Center provides laboratory space and instrumentation to assist non-DWRC faculty and their students with their research.

**E. ENROLLMENT PLANNING** (If unit does not sponsor courses, write non-applicable and delete table)

1. Number of formally registered certificate students and certificates awarded.

NON-APPLICABLE

2. Continuing Education FTEs

NON-APPLICABLE

3. Continuing Education Units (CEUs) Generated - Noncredit Programs

NON-APPLICABLE

4. Development and delivery of distance learning programs (telecommunications)

NON-APPLICABLE

5. New courses for professionals - credit and non-credit

NON-APPLICABLE

6. Additional opportunities for non-traditional students

NON-APPLICABLE

**F. GRADUATE STUDIES**

1. Number of Graduate Students supported with funds from the unit. Funding from all sources are to be included in this count. The goal is to increase the number with .25 FTE assistantships or greater:

	Fall 95/96 Actual			Fall 96/97 Goal			Fall 96/97 Actual			Fall 97/98 Goal			Fall 98/99 Goal		
	Total	Assist	%	Total	Assist	%	Total	Assist	%	Total	Assist	%	Total	Assist	%
DW RC	3	3	100	6	6	100	6	6	100	10	10	100	15	15	100

Total = Number of Graduate Students employed  
 Assist = Number of Graduate Students employed for .25, or 10 hours per week or more

2. Number and percent of above graduate students who are Black:

	Fall 95/96 Actual		Fall 96/97 Goal		Fall 96/97 Actual		Fall 97/98 Goal		Fall 98/99 Goal	
	#	%	#	%	#	%	#	%	#	%
	3	.50	3	.50	2	.33	4	.25	6	.25

3. Total amount of graduate student support (OPS):

TOTAL AMOUNT OF GRADUATE STUDENT SUPPORT (OPS)					
	Fall 95/96 Actual	Fall 96/97 Goal	Fall 96/97 Actual	Fall 97/98 Goal	Fall 98/99 Goal
	\$	\$	\$	\$	\$
	\$28,000	\$30,000	\$18,097	20,000	24,000

## G. INSTITUTIONAL EFFECTIVENESS AND POLICIES

1. Do you anticipate changes in your unit policies and procedures. Indicate in which policy manual they are recorded, e.g. Academic Affairs Policy and Procedures Manual, Undergraduate Policy Manual, Unit Policy Manual, etc.

Not Applicable

2. Note special planning initiatives undertaken this past year and those planned in the future. (e.g. strategic plan, marketing plan, distance learning, etc.) If completed, specify title and date of planning reports.

Not Applicable

### 3. Internal Audits

When was the last audit?

The period of the last audit was 7/1/94-4/30/95

What were the outcomes?

According to the Audit Report No. 95/96-194, dated December 13, 1995, the results indicated that controls in place were generally adequate and properly adhered to. Transactions tested as part of the audit were generally in compliance with applicable laws, rules, policies and contractual provisions. There were 7 specific recommendations, 5 of which could be, and were, implemented by the Center. The remaining 2 recommendations required action by the administration.

When is the next audit?

It is unknown when the Inspector General's officer plans to schedule the next audit.

(#4, 5 & 6 below apply to every unit and must be responded to.)

4. Discuss the ways you assessed the quality of your programs in 1996-97:

DWRC program quality in the past has been assessed by the amount of research dollars obtained and the number of peer-reviewed journal articles published by the faculty.

5. Discuss the ways in which these assessments were used to improve the quality of your programs.

6. Detail the faculty/staff involvement in the planning process. Have they reviewed this planning document?

## H. CAMPUS ISSUES

1. Proposed program changes in campus locations

2. Proposed faculty or staff relocations

3. Space (Present and future sq. ft. each location annually to 2001)

Year	SQ. FT.
96/97	2,400
97/98	1,500
98/99	1,500
99/01	

## **I. STRATEGIC THEMES**

How does your unit plan to contribute toward the implementation of the University's strategic themes.

### **1. International**

- a. Summarize the most significant international activities currently being conducted.
- b. List proposed new international program initiatives.
- c. How are your international programs evaluated? Specifically discuss 2 improvements resulting from program assessments.

N/A

### **2. Urban**

- a. Summarize the most significant programs which currently focus on the urban theme.
- b. List proposed new urban program initiatives.

N/A

### **3. Environmental**

- a. Summarize the most significant programs which currently focus on the environmental theme.
- b. List proposed new environmental program initiatives.

### **4. Transportation and Information Systems**

- a. Summarize the most significant programs which currently focus on the transportation and information theme.
- b. List proposed new transportation and information systems initiatives.

N/A

## **J. UNIVERSITY AND PUBLIC SERVICE:**

Contributions of expertise and technical skills to address the needs of the University, professional organizations, community or greater society.

## **K. PUBLIC RECOGNITION:**

Positive public attention drawn to the University by the activities of the unit through newspapers, television and other forms of public media.

The Water Research Center has been recognized for its research efforts in The Miami Herald and our faculty members have appeared on NBC, CBS, ABC and FOX television networks.

## **L. ADDITIONAL CRITICAL ISSUES WHICH NEED TO BE ADDRESSED (Or comments on future activities which have not been addressed above.)**

The Drinking Water Research Center has been going through a reorganization since the appointment of its new Director on August 1, 1997