

RETURN

ENVIRONMENTAL PROTECTION COMMISSION  
OF HILLSBOROUGH COUNTY  
THURSDAY, APRIL 18, 1996  
COMMISSIONERS BOARD ROOM  
10:00 A.M. - 12 NOON

NOON - OUT  
TUNAWICK - OUT

AGENDA

PAGE

**I. SPECIAL PRESENTATIONS**

- A. Cockroach Bay Seagrass Study ✓
- B. Bill Humphries - Attorney Representing the Martin Brothers ✓

5/0  
TO FILL  
& FENCE.

**II. AIR MANAGEMENT DIVISION**

- A. Proclamation - Clean Air Month ✓
- B. Noise Demonstration ✓

Sorry Charlie, the auditors  
need to find out about  
this. OK!

**III. CONSENT AGENDA**

- A. Approval of Minutes: Nov. 15, 1995, Feb. 15 & March 21, 1996
- B. Report of the Executive Director:
  - 1. Acceptance of Monthly Activity Reports
  - 2. Legal Department Monthly Reports
  - 3. Acceptance of Contributions to Pollution Recovery Fund
  - 4. Analysis of Gardiner Settlement Fund

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33 -  
52 -  
54 -  
55 -

**IV. CITIZEN'S ADVISORY COMMITTEE**

Discussion - Items of Interest

NO SHOW

CONTACT  
PRF  
FUND

**V. LEGAL DEPARTMENT**

Request Authority to Take Appropriate Legal Action Against:

- 1. GATX
- 2. Billings Amoco

4/0

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**VI. WASTE MANAGEMENT DIVISION**

DEP Audit of Tanks Program

NEXT MONTH  
DEFERRED

**VII. COMMISSIONER'S REQUESTS**

Discussion - Agency Newsletter (Comm. Berger)

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**VIII. CITIZENS WISHING TO APPEAR**

Any person who might wish to appeal any decision made by the Environmental Protection Commission regarding any matter considered at the forthcoming public hearing or meeting is hereby advised that they will need a record of the proceedings, and for such purpose they may need to ensure that a verbatim record of the proceedings is made which will include the testimony and evidence upon which such appeal is to be based.

COMMISSION

DOTTIE BERGER  
PHYLLIS BUSANSKY  
JOE CHILLURA  
CHRIS HART  
JIM NORMAN  
ED TURANCHIK  
SANDRA WILSON

EXECUTIVE DIRECTOR

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April 9, 1996

Commissioner Dottie Berger  
Environmental Protection Commission  
of Hillsborough County

**SUBJECT: MONITORING OF SEAGRASSES WITHIN COCKROACH BAY**

Dear Commissioner Berger:

Please find enclosed the six month monitoring report prepared by the University of South Florida (USF) and Hillsborough Community College (HCC) concerning the status of the seagrass beds within Cockroach Bay.

The monitoring period was extended for a period of one year, beginning in July 1995, to determine whether proposed voluntary protections are sufficient to make further regulatory restrictions unnecessary to protect the seagrasses within Cockroach Bay. Additionally, the area of surveillance has been expanded outside of the four original Seagrass Recovery Areas in an effort to determine the extent of scarring within the entire Aquatic Preserve (with the exception of the Little Manatee River). The fear is that by limiting boating traffic within some areas, there may be an increase in the scarring damage in other areas which are not restricted.

Per the contract between HCC and the EPC, aerial photographs of the expanded monitoring area are to be taken in July and October 1995, and February and June 1996. These photographs are to be assessed for evidence of prop scar damage, with the images to be computerized and digitized in order to compute the square footage of seagrass coverage and any scars which may be present in them. Due to weather imposed constraints (extensive rainfall resulting in turbid water conditions), the only flights accomplished during this reporting period were in October and December 1995. As the information obtained was difficult to interpret, additional flights will be made and reported on in the upcoming months.



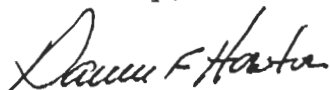
Comm. Dottie Berger  
April 9, 1996  
page two

The growth patterns of turtle grass (Thalassia testudinum) have followed the same patterns as previously reported in the 1993 and 1994 Annual Reports. The expanded monitoring area has allowed for a comparison of conditions within Tampa Bay proper and the more enclosed confines of Cockroach Bay. The information is currently being compiled and will require a full growing season to allow for a valid comparison.

With respect to the restoration experiments, the nursery site has been established, and transplantation into existing prop cuts was initiated in January 1996. These results will be reported on in the upcoming months.

Please distribute this report to the rest of the Commissioners. The report will also be included with the back-up information submitted prior to the April 18, 1996 EPC meeting. Thank you for your time, and please feel free to contact me or other staff at any time.

Sincerely,



Darrell Howton, Director  
Wetlands Management  
Environmental Protection Commission  
of Hillsborough County

cc: Roger Stewart, EPC  
Danny Alberdi, EPC

# Thalassia testudinum Recovery in Boat Propeller Scars in Cockroach Bay, Florida.

Six Month Report: July 1 to December 31 1995.

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EPC OF H.C.  
THALASSIA

## INTRODUCTION.

The present report covers the first six months of the 1 year grant extension from Hillsborough E.P.C. for 1 July 1995 to 31 August 1996. Detailed descriptions and studies of Cockroach Bay (CRB) on the recovery of Thalassia testudinum (turtle grass) in propeller scars, begun in December 1992, are given in the Annual reports for 1993 and 1994 and an Extension report of 30 June 1995. This six month report summarizes the studies carried out by the University of South Florida and Hillsborough Community College based on our proposal of June, 1995.

### A. Seagrass Community Assessment.

Proposed Study Sites: As described in the proposal, two of the original 6 Recovery Area (RA) sites were selected: 2C, one of the entrances from Tampa Bay into RA 2, an internal site in "Hole in the Wall" in RA 4, and a third site was established in Tampa Bay exterior to site 2C. Monitoring was planned to begin in July 1995 but the high level of rain and resulting high turbidity (due to phytoplankton, tannins, sediment) delayed the beginning of field measurements. Water transparency was less than 10 cm during the summer months and lightning storms severely restricted field work. Although field work began in July, the first growth studies could not be completed at the three sites until October with the second sampling in December instead of July, September, and November. In order help understand the results, we compare the October and December data with that obtained in February and May, 1995.

#### 1. Seagrass development studies.

Above Ground: abiotic factors. The temperature and salinity graph (Fig. 1) demonstrates two important features of Cockroach Bay during the past three years. First, there is a strong seasonal cycle in both salinity and temperature. From September 1992 through 1995 the lowest and highest water temperature observed were 17 °C (Nov. 1992, Dec. 1993) and 33 °C (Aug 1994, June 1995). The lowest and highest salinities observed

were 17 ppt (Sept. 1994, July 1995) and 34 ppt (Apr. 1995). Second, salinities in September and October 1994 and 1995 were lower than measured in the previous 2 years (1992: 27 to 30 ppt; 1993: 31 to 33 ppt) because of a return to average rain fall in the summers of 1994 and 1995 in the Tampa Bay area.

Low salinities occurred (inside: 11 ppt; outside: 15 ppt) in CRB from August into October 1995, similar to 1994. The lower salinities are of concern as a critical stress factor on the seagrass meadows in central CRB (sites 3 and 4). There may be another decline in short shoot density in RA 4 in the summer of 1996. Water temperatures continued to show a typical seasonal fluctuation with a sharp rise in May 1995 and continuing into December, as also found in 1993 and 1994.

**Above Ground: short shoot density.** There were no differences in short shoot density using 15 quadrat samples (Table 1) in October and all three sites were significantly different in December ( $P < 0.001$ ) with the interior site RA 4 the highest. The large standard variation indicates the patchiness of these meadows. Lower growth may result in the spring at these two sites.

**Above Ground: ground and aerial photographs.** Aerial photographs were taken in October of Cockroach Bay, Little Cockroach Bay and adjacent waters of Tampa Bay at a 1 to 2,400 scale. Enlargements were made of these images. The images were scanned into the computer and digitized. Scaling was accomplished by using known ground distances. Mangroves and seagrasses were outlined on the computer images in order to give us a computer map but also square footage of the grasses and mangroves. The following data were computed for the entire area:

<u>Area</u>	<u>Square feet</u>	<u>Acreage</u>
Seagrasses	35,700,000	819.56
Mangroves	57,800,000	1,326.91

**Detailed photographs:** Aerial images of the site were taken in December at a scale of approximately 1 to 600. Of particular interest in the aerial photographs were the passes where boat traffic was most heavy. Our charge here was to determine if new prop scarring had occurred in any of the sites studied prior to July of 1995 and to make maps of prop scars in Little Cockroach Bay and in adjacent waters of Tampa Bay. The photographs are displayed on a poster board for viewing by the EPC staff.

The photographs are very difficult to interpret. The images were taken at a low tide and at a low sun angle. The images are excellent, however, interpretation problems occur because the seagrasses have been "burned" back to mere stubs of their usual size. This creates areas on the films that appear to be sand but are actually sparse and burned grasses (more will be said below). Some prop scars are clearly in sand but others may be through sparse seagrasses. Ground truthing has not helped much in this regard. We are due to take more photographs in February and March that perhaps can resolve this problem. Therefore,

we will not report any data on this aspect until further analysis can take place.

One observation on the photographs is worth noting. In the "Hole-in-the-wall" area the sand has shifted to cover more seagrasses than previously noted. There appear to be new (or more powerful) currents moving through the area pushing sand and sediment up onto the grass beds. This observation is consistent with the increases in rainfall noted for 1995.

The status of seagrasses in Cockroach Bay is, at this time, in a "wait-and-see" situation. Both HCC and USF reports have noted the following:

- 1. Salinities were very low in the fall months.
- 2. Air temperatures were very low in the month of December coincident with low tides and easterly winds. The seagrasses were exposed.
- 3. Rainfall was above fifty inches in the area increasing runoff and increasing turbidity.

Because of environmental influences the grasses have been stressed, the blades have been shortened to mere stubs. In the spring, as the water warms up, seagrasses traditionally regrow. However, we pulled some shoots from the sediment in area 4 in January to see if the short shoots were still alive. Those in the middle of area 4 retained their green blades while those closer to "Hole-in-the-wall" tended to be brown. This would indicate that some are dead. We will wait until the spring months for further evaluation of the grasses.

Weather considerations: the weather in 1995 played a considerable role in the mapping of the seagrasses at Cockroach Bay. During the months of August and September greater than average amounts of rainfall fell on Hillsborough County resulting in significant runoff through the bay. Runoff through the bay was heavy in silt and in tannic acid. This combination made it impossible to photograph the seagrasses from the air. Several visits to the bay confirmed this problem. The turbidity limited visibility to three inches in early September. By mid October the turbidity was reduced somewhat. Aerial photographs were taken in October even though some turbidity persisted. We photographed the area again in December with much better results.

Above Ground: blade characteristics. Blade number, width, and length of Thalassia testudinum are compared for February, May, October and December 1995 in Table 2 and leaf areas in Table 3. There were no significant differences in blade number, width or length for 2 scars (prop cut 1, 2) and the reference seagrass bed in sites 2C and 4 in February, May and October. Only blade length in site 2C was significantly different between the seagrass reference bed and 2 scars. Looking at sites 2C and 4, where there is data for February and May, blade number increased in May, the period of new growth and then showed a decline in December, a period of low growth.

Leaf areas were significantly different ( $P < 0.001$ ) within the Ext site in October and at 2C in December (Table 3). However there was no pattern with scar 2 of the Ext

site having higher while both scars of 2c in December had lower leaf areas.

Above Ground: blade growth. Blade production, expressed as percent new blade per day (Table 4), was high in the October and December experiments when sites 2C and 4 are compared with previous data for February and May. In October, there was the problem of recovering the marked short shoots due to storms that delayed collections and severe water turbidity. It appears some of the old blade material was lost, before the marked plants could be collected, that is calculated in blade production. Based on daily blade production (% d<sup>-1</sup>), the Tampa Bay Ext site had lower growth rates than the two CRB sites in October and this probably is due to loss of old blade material in RA 2C and 4. The December experiment indicated an continuation of high growth rates that reflected the warmer water temperatures during that period. The only significant ( $P < 0.05$ ) difference in growth rates occurred between scars and reference beds at site 2c in October (both scars show higher growth) and 4 in December (prop cut 2 shows highest growth). Thus there is no pattern in blade growth between a reference seagrass bed and in scars.

A second method of studying blade growth is shown in Table 5 where the amount of blade produced per day per plant or per m<sup>2</sup> is given for October and December. This data takes into account only the amount of new blade growth and does not rely on old blade material. It is evident that the Ext plants showed significantly higher ( $P < 0.01$ ) production whether expressed in terms of single plants or m<sup>2</sup>. This view of blade growth indicates that there was a suppression of growth of Thalassia testudinum within Cockroach Bay, perhaps due to lower salinities, higher turbidity, and exposure at low tides.

Below Ground. As proposed, quarterly core samples were taken at the three sites in October and December (Table 6). These are more limited to avoid unnecessary damage to the seagrass meadows. The above and below ground biomass (Table 6) did not differ significantly between sites in October although larger below ground biomasses were found at sites 2c and 4 than at the Ext site. Below ground biomass was significantly lower at site 4 in December and the below ground biomasses in 2C and 4 were lower in December when compared with October. It will be interesting to see what happens in the spring growth based on a loss in below ground biomass at sites 2C and 4.

There were no significant differences in rhizome growth in the three sites for October or December (Table 6). This is probably due to the slow down in growth during the winter period. However, the rhizome biomass was lower in EXT site on both samples and we do not understand this. We anticipate an increase in below ground biomass in the spring with an increase in rhizome growth.

## 2. Seagrass epiphyte load.

The epiphyte load on blades of turtle grass showed the same seasonal influence as seen in 1993 and 1994; higher biomass occurring in February and a continued depression into December (Table 7). Although there were some significant differences ( $P < 0.001$ ) between epiphyte biomass of scar and reference plants, there was no pattern in October and December. The higher epiphyte load should come in the late winter when water temperature rise along with nutrients.

### 3. Macro algal biomass.

Drift Macro algal biomass in 1995 followed the same pattern as noted in 1993 and 1994. Biomass was high in February and December and low in May and October 1995 (Table 8) in all the three RAs (compare with Table 3; 1993, 1994 Annual Reports). The Macro algal biomass was significantly higher ( $P < 0.01$ ) at the Ext site in both October and December but not February, and this probably reflects higher salinities and clearer water in Tampa Bay. The winter rise in Macro algal biomass coincides with a rise in salinity and drop in turbidity. It appears the macro algae replace the phytoplankton as nutrient "scrubbers" in the ecosystem. Because of the patchy nature of the drift algal biomass the percent cover was deleted from Table 8. Organic content of the macro algae ranged from 10 to 17% and showed no seasonal pattern.

### B. Restoration Experiments.

This part of the study is divided into three components: stimulation of *in situ* rhizomes, tank and field nurseries, and transplantation into propeller cuts.

1. Stimulation of *in situ* rhizomes. In addition to the studies carried out at HCC, the USF group is using combinations of nutrients and plant growth regulators in the Field Nursery studies and the Transplantation studies described below.

#### 2. Tank and field nurseries.

Tank nurseries. The first problem to overcome in the laboratory experiments was to establish stable marine aquaria. In the past we had difficulty keeping environmental conditions constant, therefore, the experiments were not successful. We set up two 90 gallon aquaria with salt water with a 250 watt halogen light sources. Heaters were placed in the water to stabilize the temperature and timers were placed on the lights for 14 hour days. The filtration system was a simple "bio-ball" filter with filter media superimposed in a 20 gallon aquarium. This system proved inadequate. We designed an "algae" filtration system in line with the other filter so that water trickled through the algae prior to going into the bio-ball filter. This worked very well. Next we added more light to each aquarium. The new lights were 40 watt fluorescent lights designed for marine aquaria plant growth. A water pump was added to each aquarium to create water movement in the tanks. Salinity has been kept fairly constant at 27 to 28 ppt. Temperature has been kept at 24 degrees C.

Experiment #1: The procedure involved procuring seagrasses from the bay and treating them with hormones and nutrients to attempt to stimulate growth. In Dixie paper cups we placed the following:

1. Nutrient agar.
2. Six drops of each hormone (Cytokinin, Auxin, and a gibberellin)
3. Three drops of DMSO
4. Five granules of ammonia

Plants were prepared by having their rhizomes cut so that each plant maintained its rhizome. The plants were placed in the solution and the agar was allowed to solidify around the rhizomes. After solidification, the cups were cut away from the plants and the plants were gently placed in the aquaria. The plants were left in the aquaria for 6 weeks. No new growth was noted. Speculation is that the agar solution held up the molecules from getting to the rhizomes. The plants, therefore, starved to death.

Experiment #2: In this experiment the seagrasses were soaked in solutions instead of using the agar. After soaking for two hours the plants were placed in the aquaria. In aquarium #2 the plants were left alone to grow. In aquarium #1 the plants have been injected with nutrients and hormones each week. Injections were as follows:

1. A dilute solution of Miracle Grow (15-30-15) in seawater.
2. Three granules of ammonia.
3. Three drops of hormone.

This experiment was begun in mid December. Results are not yet in, however, most of the plants in both aquaria are alive and most are showing growth. By the end of February some plants will be pulled to see if apical meristem growth has been initiated in the rhizomes.

Outdoor experiments: We obtained permission from the DEP marine fisheries lab located in the northern most portion of Manatee County near Cockroach Bay to set up outdoor experiments. The following were purchased:

1. Four crypts to grow plants in.
2. Water heaters
3. PVC pipes to connect the DEP. water system to our tanks.
4. Thermometers.
5. Heater regulators.

The tanks have been set up. Everything is in place. Sediment will be placed in the tanks before mid February and experiments will begin before the end of the month. Two of the tanks will be used for HCC experiments while the other two will be used by USF.

Field Nurseries. A field nursery for Thalassia testudinum was established in eastern (greater) CRB on November 4 (Fig. 2). We have been placing agar blocks containing plant growth regulators and nutrients every 2 week next to each plant in the field nursery. As of the end of January one plant was lost (apparently to a ray who dug up the region) while the remaining 47 appear healthy. In this first nursery, we did not use Halodule wrightii because the nursery site is in deeper water than where shoal grass occurs.

The procedures for the field nursery are presented. The nursery-transplant studies required a bare area within a Thalassia testudinum meadow. Four 2.6 m long permanent

line transects were setup 1m apart in this bare area. The transect lines were marked every 20 cm and tags were placed on the line. Twelve tags were placed on each line indicating the placement of individual plants and the treatments they would receive (Fig. 2). A total of 4 treatments were chosen, and were replicated 3 times.

Treatments consisted of additions of nutrients and hormones in an agar matrix. The nutrient selected was ammonia as phosphate is not limiting and in high concentration in the plant (Rose, personal communication). The two hormones selected were NAA (growth regulator) and kinetin (cell division regulator) based on use in other seagrass studies (see reference report of CJD attached to proposal).

The 4 treatments were; agar only (control), agar + 2 mM  $\text{NH}_4^+$ , agar + 2 mM  $\text{NH}_4^+$  + NAA, agar + 2 mM  $\text{NH}_4^+$  + NAA, + Kinetin. Cubes of 2% agar (2 x 1 x 1 cm) containing the above chemicals were inserted about 10 cm into the sediment in contact with the short shoot on the day of transplantation; one cube on each side of the short shoot. Two agar blocks are placed, one on each side of each short shoot every two weeks since 4 November.

The agar blocks were made as follows. The control treatment  $\text{C}$  consisted of 20 g Bacto-agar (Difco Labs.) in 1 L distilled water. This concentration of agar was used to formulate all other treatments as well. The blocks containing 2 mM  $\text{NH}_4^+$  (A) were made by adding 0.132g  $(\text{NH}_4)_2\text{SO}_4$  to 1 L distilled  $\text{H}_2\text{O}$  before the addition of the 20g agar. The NAA solution (N) was made by adding 0.1862 g Naphthaleneacetic acid (Sigma) to solution A before adding the agar. This solution is  $10^{-3}$  M NAA. The Kinetin solution (K) was made by adding 0.215 g 6-Furfurylaminopurine (Sigma) to solution N. The Kinetin was first added to 100 ml of 0.02N NaOH to allow it to dissolve. This solution is  $10^{-3}$  M Kinetin. All 4 solutions were poured into sterile enamel pans 1 cm deep to cool in a laminar flow hood. Once hardened the agar was cut with a scalpel, placed into ziplock bags under sterile conditions and refrigerated until the day of transplantation.

### 3. Transplantation in propeller cuts.

This phase of our study was done in January 1996 and will be described in the second six month report. A new propeller cut in RA 4 was measured and designated for this project in December. This study will also compare plant growth regulators and nutrient effects against bare rhizome plants.

**Summary.** Growth of *Thalassia testudinum* in CRB during the spring of 1995 followed the same pattern as reported in the 1993 and 1994 Annual Reports in the interior RA (4) and exterior RA (2C). In October, the depressed salinities (11 ppt being common) again occurred as in 1994. Establishment of the Ext site has demonstrated that the CRB plants are probably stressed due to lower salinities and perhaps exposure at low tides.

The nursery site is established; as of 11 January all but one of the 48 transplants is surviving. Transplantation of single short shoots into a prop cut with fresh plants was done in January 1996. A paper was submitted to Aquatic Botany presenting scar recovery information; Hillsborough E.P.C. is cited as the supporting institution.

**Acknowledgments.** The U.S.F. study was carried out with the help of a number of undergraduate (Manuel Merello, Dorothy Stevens, Katherine Sair) and graduate (John Andorfer, Brian Teasdale) students. Mr. Andorfer is the Research Assistant on this project and his help has been invaluable.

Table 1 Ramet densities in 1m<sup>2</sup> of a *Thalassia testudinum* bed from 3 sites in Cockroach Bay, estimated from 15 haphazard chosen 25cm quadrats. Values are means  $\pm$  S.D.'s.

Date	Ramet Density		
	Exterior site	Site 2c	Site 4
Ocl 95	139.73 $\pm$ 61.22	114.13 $\pm$ 40.96	152.53 $\pm$ 39.59
Dec. 95	176.00 $\pm$ 50.98 <sup>a</sup>	80.00 $\pm$ 33.12 <sup>b</sup>	231.47 $\pm$ 57.65 <sup>a</sup>

Table 2 Blade characteristics of *Thalassia testudinum* sampled from within and along the edges of boat propeller cuts (Prop cut), and within adjacent *T. testudinum* grassbeds (Seagrass) from 3 sites in Cockroach Bay, 1995. Values are means ( $\pm$  S.D.); sample sizes vary between 14 and 15. Superscripts denote significant differences between sampling areas, within each site ( $P < 0.05$ ; Student's t-test and Mann Whitney Rank Sum Test).

	February			May			October			December		
	No.	Width (cm)	Length (cm)	No.	Width (cm)	Length (cm)	No.	Width (cm)	Length (cm)	No.	Width (cm)	Length (cm)
Exterior	.	.	.	.	.	.	.	.	.	.	.	.
Seagrass							3.80 <sup>a</sup> (0.56)	0.77 <sup>a</sup> (0.09)	16.08 (2.51)	3.07 (0.80)	0.62 <sup>a</sup> (0.06)	10.30 (2.34)
Prop cut 1							3.93 <sup>a</sup> (0.70)	0.78 <sup>a</sup> (0.09)	16.39 (3.89)	3.50 (0.76)	0.78 <sup>b</sup> (0.10)	9.24 (2.02)
Prop cut 2							4.80 <sup>b</sup> (1.37)	0.89 <sup>b</sup> (0.08)	15.48 (3.29)	3.33 (0.72)	0.76 <sup>b</sup> (0.10)	9.74 (2.07)
Site 2c												
Seagrass	2.27 (0.47)	0.62 (0.11)	11.70 (2.45)	3.83 (0.72)	0.70 (0.07)	15.72 (3.41)	3.67 (0.72)	0.67 (0.08)	14.95 (4.68)	3.13 (0.64)	0.63 (0.07)	10.43 <sup>a</sup> (1.94)
Prop cut 1	2.69 (0.85)	0.66 (0.09)	10.52 (2.33)	4.67 (1.11)	0.71 (0.10)	15.12 (4.15)	3.14 (0.86)	0.59 (0.09)	14.45 (2.85)	3.00 (0.58)	0.56 (0.07)	7.17 <sup>b</sup> (1.21)
Prop cut 2	.	.	.	.	.	.	3.73 (0.70)	0.63 (0.11)	13.74 (3.47)	2.71 (0.61)	0.59 (0.08)	8.87 <sup>c</sup> (1.92)
Site 4												
Seagrass	2.67 (0.71)	0.63 (0.10)	7.81 (1.93)	4.50 (0.92)	0.68 (0.10)	15.08 (2.99)	3.4 (0.83)	0.56 (0.09)	8.22 (1.19)	2.93 (0.59)	0.49 (0.08)	7.32 (1.22)
Prop cut 1	2.93 (0.47)	0.61 (0.14)	7.63 (1.13)	4.73 (0.88)	0.68 (0.09)	15.33 (3.58)	3.79 (1.12)	0.56 (0.08)	6.96 (1.52)	2.80 (0.68)	0.52 (0.08)	6.27 (1.30)
Prop cut 2	.	.	.	.	.	.	3.20 (0.94)	0.59 (0.09)	7.67 (2.18)	3.00 (0.53)	0.51 (0.07)	5.20 (1.08)

Table 3 Leaf areas of individual *Thalassia testudinum* ramets sampled from within and along the edges of boat propeller cuts (Prop cut), and within adjacent *T. testudinum* grassbeds (Seagrass) from 3 sites in Cockroach Bay, 1995. Values are means  $\pm$  S.D.; sample sizes vary between 14 and 15. Superscripts denote significant differences between sampling areas, within each site ( $P < 0.05$ ; Student's t-test and Mann Whitney Rank Sum Test).

	February	May	October	December
Exterior				
Seagrass			47.51 $\pm$ 11.65 <sup>a</sup>	18.90 $\pm$ 4.33
Prop cut 1			49.71 $\pm$ 15.74 <sup>a</sup>	25.00 $\pm$ 7.87
Prop cut 2			64.39 $\pm$ 20.18 <sup>b</sup>	24.75 $\pm$ 8.69
Site 2c				
Seagrass	16.49 $\pm$ 6.85	41.61 $\pm$ 15.90	30.32 $\pm$ 12.84	20.23 $\pm$ 4.63 <sup>a</sup>
Prop cut 1	18.37 $\pm$ 7.24	50.58 $\pm$ 20.94	27.36 $\pm$ 10.54	12.39 $\pm$ 4.20 <sup>b</sup>
Prop cut 2			32.36 $\pm$ 12.24	14.73 $\pm$ 6.13 <sup>b</sup>
Site 4				
Seagrass	12.77 $\pm$ 5.40	48.58 $\pm$ 20.26	15.52 $\pm$ 4.61	10.39 $\pm$ 2.91
Prop cut 1	13.95 $\pm$ 5.22	50.46 $\pm$ 22.26	14.74 $\pm$ 5.42	9.27 $\pm$ 3.51
Prop cut 2			14.34 $\pm$ 5.90	7.93 $\pm$ 2.73

Table 4 Blade production (% d<sup>-1</sup>) of *Thalassia testudinum* sampled from within and along the edges of boat propeller cuts (Prop cut), and within adjacent *T. testudinum* grassbeds (Seagrass) from 3 sites in Cockroach Bay, 1995. Values are means  $\pm$  S.D.; sample sizes vary between 14 and 15. Superscripts denote significant differences between study areas within each site ( $P < 0.05$ ; Student's t-test and the Mann Whitney Rank Sum Test).

	February	May	October	December
Exterior	-	-	-	-
Seagrass	-	-	3.18 $\pm$ 1.53	4.65 $\pm$ 2.51
Prop cut 1	-	-	2.72 $\pm$ 1.08	4.57 $\pm$ 2.68
Prop cut 2	-	-	3.12 $\pm$ 1.31	4.26 $\pm$ 1.44
Site 2c				
Seagrass	2.12 $\pm$ 1.60	4.44 $\pm$ 2.19	5.55 $\pm$ 1.59 <sup>a</sup>	4.94 $\pm$ 1.49
Prop cut 1	1.58 $\pm$ 0.85	3.98 $\pm$ 2.20	7.95 $\pm$ 2.70 <sup>b</sup>	6.01 $\pm$ 2.36
Prop cut 2	-	-	8.32 $\pm$ 3.89 <sup>b</sup>	5.89 $\pm$ 2.38
Site 4				
Seagrass	2.41 $\pm$ 1.18	3.87 $\pm$ 1.33	7.84 $\pm$ 3.52	5.11 $\pm$ 0.99 <sup>a</sup>
Prop cut 1	1.90 $\pm$ 0.76	3.54 $\pm$ 1.26	7.46 $\pm$ 3.60	4.36 $\pm$ 1.68 <sup>a</sup>
Prop cut 2	-	-	7.79 $\pm$ 3.25	6.73 $\pm$ 2.73 <sup>b</sup>

Table 5 The amount of plant material produced per day (gdwt) for individual plants and for 1m<sup>2</sup> of a *Thalassia testudinum* bed from 3 sites in Cockroach Bay. Values are means  $\pm$  S.D.'s; (n=15).

Date	Site	g/day/plant	g/day/1m <sup>2</sup>
Oct. 95	Ext	0.006 $\pm$ 0.003 <sup>a</sup>	0.787 $\pm$ 0.493 <sup>a</sup>
	2c	0.003 $\pm$ 0.001 <sup>b</sup>	0.378 $\pm$ 0.108 <sup>b</sup>
	4	0.002 $\pm$ 0.001 <sup>c</sup>	0.312 $\pm$ 0.171 <sup>c</sup>
Dec. 95	Ext	0.006 $\pm$ 0.016 <sup>a</sup>	1.112 $\pm$ 2.810 <sup>a</sup>
	2c	0.002 $\pm$ 0.001 <sup>a</sup>	0.188 $\pm$ 0.084 <sup>b</sup>
	4	0.001 $\pm$ 0.000 <sup>b</sup>	0.339 $\pm$ 0.101 <sup>c</sup>

Table 6. Dry weight biomass allocation (g) and above and below ground biomasses in 1m<sup>2</sup> of a *Thalassia testudinum* bed from 3 sites in Cockroach Bay. Values are means  $\pm$  S.D.'s; (n=3). The percent of the total biomass for each plant part is given in the O.

Date	Site	Dry Weight Biomass Allocations (g)						Biomass (g)	
		Blades	Short Shoots	Rhizomes	Roots	Above-ground	Below-ground		
Oct. 95	Ext	103.27 $\pm$ 27.18 (34.58)	105.95 $\pm$ 38.32 (34.75)	66.24 $\pm$ 4.77 (22.40)	24.89 $\pm$ 5.32 (8.27)	103.27 $\pm$ 27.18	197.08 $\pm$ 46.93		
	2c	75.88 $\pm$ 24.39 (18.43)	128.50 $\pm$ 17.81 (32.57)	171.79 $\pm$ 75.23 (41.03)	33.01 $\pm$ 15.17 (7.97)	75.88 $\pm$ 24.39	333.31 $\pm$ 97.28		
	4	70.54 $\pm$ 36.69 (16.72)	171.61 $\pm$ 97.36 (39.61)	116.43 $\pm$ 84.37 (24.13)	100.70 $\pm$ 97.65 (19.55)	70.54 $\pm$ 36.69	388.73 $\pm$ 275.6		
Dec. 95	Ext	81.39 $\pm$ 14.31 (37.88)	51.51 $\pm$ 6.49 (20.90)	66.88 $\pm$ 25.11 (30.85)	15.79 $\pm$ 6.43 (7.40)	81.39 $\pm$ 14.31	260.05 $\pm$ 31.27*		
	2c	73.81 $\pm$ 35.48 (31.92)	53.14 $\pm$ 43.76 (23.86)	88.80 $\pm$ 25.74 (40.37)	14.82 $\pm$ 3.59 (6.80)	73.81 $\pm$ 35.48	156.77 $\pm$ 67.59*		
	4	83.29 $\pm$ 15.34 (24.23)	100.59 $\pm$ 32.02 (28.85)	107.82 $\pm$ 46.00 (30.82)	51.64 $\pm$ 37.95 (16.10)	83.29 $\pm$ 15.34	134.19 $\pm$ 23.60*		

Table 7. Epiphyte load on short shoots of *Thalassia testudinum* sampled from within and along the edges of boat propeller cuts (Prop cut), and within adjacent *T. testudinum* grassbeds (Seagrass) from 3 sites in Cockroach Bay, 1995. Values are means  $\pm$  S.D.; sample sizes vary between 14 and 15. Superscripts denote significant differences between study areas within each site ( $P < 0.05$ ; Student's t-test and the Mann Whitney Rank Sum Test).

	February	May	October	December
Exterior	-	-	-	-
Seagrass	-	-	0.07 $\pm$ 0.03 <sup>a</sup>	0.07 $\pm$ 0.06 <sup>a</sup>
Prop cut 1	-	-	0.06 $\pm$ 0.02 <sup>a</sup>	0.04 $\pm$ 0.03 <sup>a</sup>
Prop cut 2	-	-	0.16 $\pm$ 0.10 <sup>b</sup>	0.01 $\pm$ 0.01 <sup>b</sup>
Site 2c	-	-	-	-
Seagrass	0.67 $\pm$ 0.54	0.10 $\pm$ 0.06	0.06 $\pm$ 0.03	0.02 $\pm$ 0.02
Prop cut 1	0.30 $\pm$ 0.18	0.14 $\pm$ 0.09	0.02 $\pm$ 0.02	0.04 $\pm$ 0.03
Prop cut 2	-	-	0.06 $\pm$ 0.04	0.03 $\pm$ 0.03
Site 4	-	-	-	-
Seagrass	0.09 $\pm$ 0.26	0.06 $\pm$ 0.04	0.04 $\pm$ 0.03 <sup>a</sup>	0.03 $\pm$ 0.03 <sup>a</sup>
Prop cut 1	0.08 $\pm$ 0.06	0.11 $\pm$ 0.06	0.04 $\pm$ 0.02 <sup>a</sup>	0.01 $\pm$ 0.01 <sup>a</sup>
Prop cut 2	-	-	0.10 $\pm$ 0.04 <sup>b</sup>	0.04 $\pm$ 0.03 <sup>b</sup>

Table 8. Biomass of macroalgae (gdwt m<sup>-2</sup>) and species diversity at 3 sites in Cockroach Bay. Values are means ± S.D., n = 15.

Date	Site	Biomass (gdwt m <sup>2</sup> )	Species Present
Feb. 95	2c	39.02 ± 32.29	8,10,11,17,19
	4	29.74 ± 38.40	8,11,17,19,21
May 95	NO MACRO ALGAE BIOMASS FOUND		
Oct. 95	Ext	13.16 ± 12.64 <sup>a</sup>	1,10,18,19
	2c	2.99 ± 3.66 <sup>b</sup>	1,10,19
	4	0	
Dec. 95	Ext	46.96 ± 27.38 <sup>a</sup>	1,5,6,7,11,20
	2c	13.48 ± 11.99 <sup>b</sup>	1,5,6,7,11,20
	4	1.75 ± 3.34 <sup>c</sup>	1,5,6,7,11,20

Legend:

- |                                  |  |
|----------------------------------|--|
| 1. <i>Acanthophora spicifera</i> | 11. <i>Ulva lactuca</i>                          |
| 2. <i>Centroceras clavulatum</i> | 12. <i>Solaria filiformis</i>                    |
| 3. <i>Chondria cnicophylla</i>   | 13. <i>Lomentaria baileyana</i>                  |
| 4. <i>Gracilaria sjoestedtii</i> | 14. <i>Chondria sedifolia</i>                    |
| 5. <i>G. tikvahiae</i>           | 15. <i>Caulerpa sertularioides</i>               |
| 6. <i>G. verrucosa</i>           | 16. <i>C. prolifera</i>                          |
| 7. <i>Hypnea musciformis</i>     | 17. <i>Enteromorpha intestinalis</i>             |
| 8. <i>Laurencia poitei</i>       | 18. <i>Agardhiella tenera</i>                    |
| 9. <i>Lyngbya majescula</i>      | 19. <i>Gracilaria foliifera var angustissima</i> |
| 10. <i>Spyridia filamentosa</i>  | 20. <i>Champia parvula</i>                       |
|                                  | 21. <i>Chondria tenuissima</i>                   |

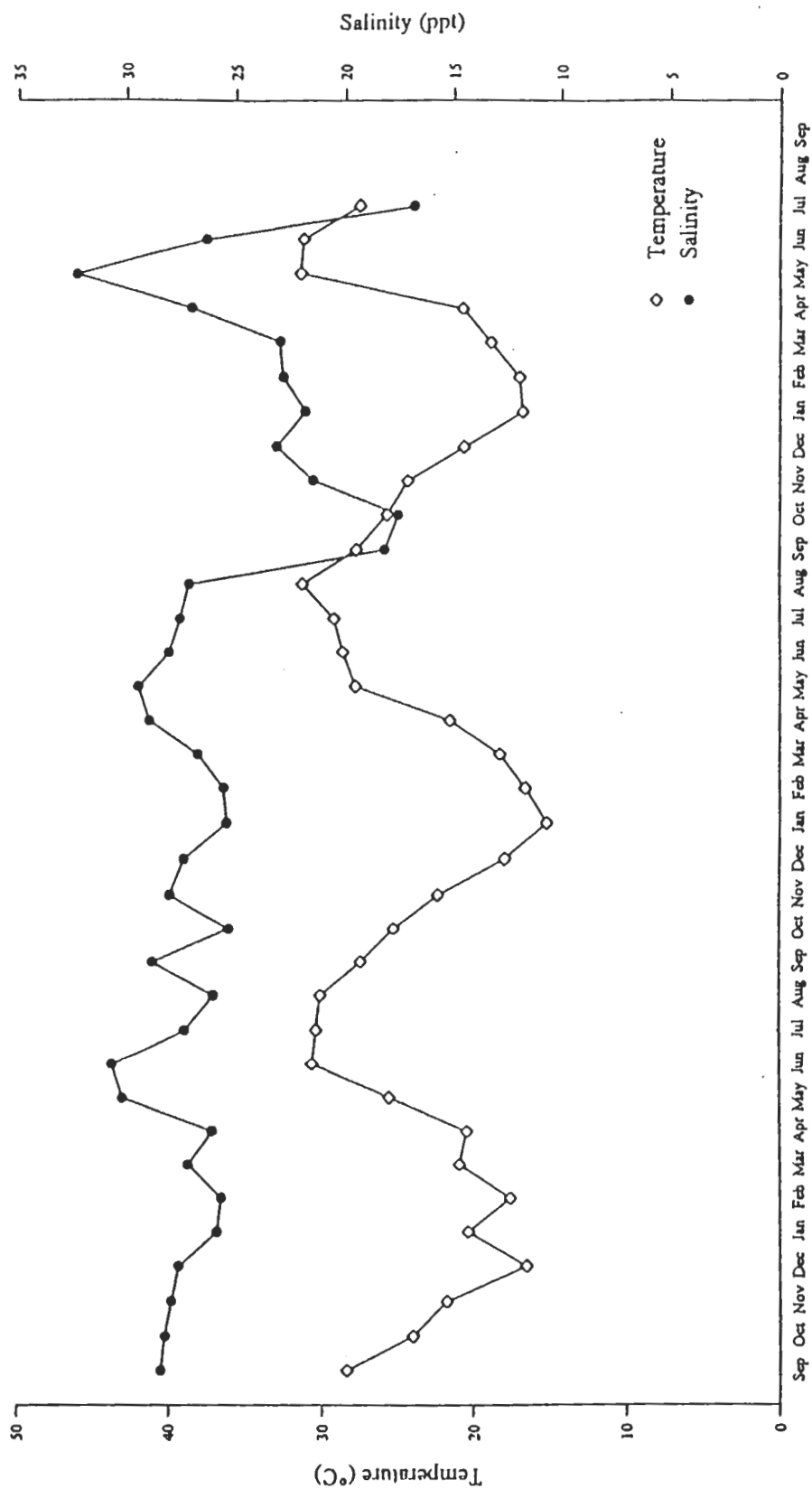


Figure 1. Salinity and temperature in Cockroach Bay, Tampa Bay, Florida.



Figure 2. Experimental design of the *Thalassia testudinum* nursery in Greater Cockroach Bay, Tampa Bay, Florida

**KEY**

C = CONTROL

A = NH<sub>4</sub><sup>+</sup>

N = NH<sub>4</sub><sup>+</sup> & NAA

K = NH<sub>4</sub><sup>+</sup>, NAA, & KINETIN

BAR = 20 cm ———

The Environmental Protection Commission (EPC) met in Special Meeting, at 9:38 a.m., Wednesday, November 15, 1995, in the Board Room, County Center, Tampa, Florida.

The following members were present: Chairman Joe Chillura and Commissioners Dottie Berger, Phyllis Busansky, Chris Hart, Jim Norman, Ed Turanchik, and Sandra Wilson.

Chairman Chillura called the meeting to order at 9:38 a.m.

SELECTION OF AUDITOR - Mr. Iwan Choronenko, Director, EPC Air Management Division, explained that the EPC was subject to performance audits every four years. EPC's stringent evaluation process of the six proposals submitted included the following criteria: quality of the written proposal, qualifications of the firm, cost of the proposed audit, and an oral interview. EPC chose the firm of David M. Griffith and Associates, which had received 98 of 150 points, and requested endorsement of its recommendation when the EPC Board, convened as the Board (BOCC), discussed performance audits of other County departments. **Commissioner Turanchik moved to take the item up with the other audits. Commissioner Hart seconded the motion, which carried seven to zero.**

BUDGET ITEM, SOLID WASTE DEPARTMENT FUNDS - EPC Counsel Sara Fotopulos requested direction regarding difficulties encountered in using Solid Waste Department funds to underwrite expenditures. County Administrator Daniel A. Kleman said staff was working on a suggestion to present to the BOCC and suggested the matter be discussed at the next BOCC meeting, if BOCC discussion was desired. Upon call for a motion to defer the item to the next regular BOCC meeting, when Mr. Kleman and EPC would present a recommendation, **Commissioner Turanchik so moved. Commissioner Hart seconded the motion which carried seven to zero.**

There being no further business, the meeting was adjourned at 9:43 a.m.

READ AND APPROVED: \_\_\_\_\_  
CHAIRMAN

ATTEST:  
RICHARD AKE, CLERK

By: \_\_\_\_\_  
Deputy Clerk

fw

The Environmental Protection Commission (EPC) of Hillsborough County, Florida, met in Regular Meeting scheduled for Thursday, February 15, 1996, at 10:00 a.m., in the Boardroom, County Center, Tampa, Florida.

The following members were present: Chairman Dottie Berger and Commissioners Joe Chillura, Chris Hart, and Ed Turanchik (arrived at 10:25 a.m.). The following members were absent: Commissioners Phyllis Busansky (conflicting meeting at Tampa General Hospital), Jim Norman (participating in the Olympic Torchbearer Media Conference), and Sandra H. Wilson (previously scheduled commitment).

Chairman Berger called the meeting to order at 10:20 a.m. Following the pledge of allegiance to the flag, Commissioner Hart gave the invocation, and Chairman Berger announced Commissioner Turanchik would be late; meanwhile, items not needing a quorum would be addressed.

Mr. Roger Stewart, Executive Director, EPC, reported that item III-A.1. had been withdrawn (Lowry Park Zoo request for Pollution Recovery Funds), and he suggested changes to the agenda--to first hear item II-B (Service Recognition Award), to take item III-A.3. (Clayton Lakes) before III-A.2. (Museum of Science and Industry), and reversing A and B under item III; Commissioner Chillura wanted to discuss A before B.

#### SPECIAL PRESENTATION

##### Service Recognition Award (Retirement)

Mr. Iwan Choronenko, Director, Air Management, commended Mr. George Frater for his exceptional performance with the EPC. Chairman Berger presented a plaque to Mr. Frater on his retirement.

#### WASTE MANAGEMENT DIVISION

##### Report - Solid Waste Activities

Mr. Hooshang Boostani, Director, Waste Management, commented that there had been a discussion on funding solid waste from the Hillsborough County Solid Waste Management fund. Funding was approved for the current year but the Board of County Commissioners (BOCC) had expressed several concerns regarding the nature of work done, other agencies involved, and any interactions between the agencies and organizations doing the work.

State Attorney Harry Lee Coe, 800 East Twiggs, Fifth Floor, and Attorney Kirk Morgan, State Attorney's Office, supported the EPC and commented on the vital need to maintain the work between the Sheriff's Office and EPC, which allowed the State Attorney's Office to present cases that resulted in convictions. Deputy Carmine Pizzano, Sheriff's Office, spoke on behalf of the Environmental Enforcement Unit and discussed the working relationship with EPC.

Mr. Paul Schipfer, Manager, Solid and Hazardous Waste Department, discussed a flow chart of the department, thanked the Sheriff's Office for its help, and commented that the Small Quantity Generator Program had been increased through special funding from a surcharge on occupational licenses. He commented on the difficulty in prosecuting persons responsible for illegal dumping and said that the Environmental Enforcement Unit arrested the person

THURSDAY, FEBRUARY 15, 1996 - DRAFT MINUTES

responsible and enabled criminal prosecution. The purpose for the discussion was to make the EPC aware of why the positions existed and their functions. Responding to a question, Mr. Stewart said that a purpose of the presentation was to show that EPC worked cooperatively with, rather than overlapping, other agencies. Legal dumping created revenue. Commissioner Chillura commented that at the final budget hearing, County Administrator Daniel A. Kleman was asked to work with EPC staff and the Sheriff's Office to determine if there was duplication.

#### Quarterly Status Report on Hillsborough County Superfund Sites

Referring to the Stauffer Chemical Company Site, Commissioner Chillura commented that it had been over five years since an attempt was made to clean up the site. In response to a question, Mr. Boostani explained that the superfund law was going through changes and that legislators could not agree on the changes needed, which caused that law to be in limbo. It would probably take 20 years, with the existing law, to get a superfund site cleaned up due to legalities and legal liabilities. Commissioner Chillura asked that EPC Counsel Sara Fotopulos research, before the next meeting, what action the EPC could take with its representatives in Washington, D.C. Florida was a state with strong environmental laws, and it seemed that the Legislative Delegation needed to know that there was an impasse. Chairman Berger agreed and commented that a report would be made by Attorney Fotopulos at the next meeting.

#### Department of Environmental Protection (DEP) Assessment of EPC's Small Quantity Generator Program

Mr. Stewart commented on a letter from the DEP. Commissioner Chillura moved to ask the Chair to have a proclamation presented to staff recognizing their efforts for the Small Quantity Generator program, as recognized by Mr. John M. Ruddell, Director, Waste Management. The motion was seconded by Commissioner Hart and carried four to zero. (Commissioners Busansky, Norman, and Wilson were absent.) Mr. Boostani asked that Ms. Carol Mercer be recognized as an outstanding employee; he pointed out that the Tax Collector's Office collected the funds to run the program and that a positive and cooperative relationship existed between the agencies.

#### SPECIAL PRESENTATION

##### Environmental Performance Standards Presentation (SFWMD)

Mr. Darrell E. Howton, Director, Wetlands Management, introduced Mr. Dave Moore, Deputy Executive Director of Resource Management, Southwest Florida Water Management District (SFWMD), who made the presentation. Environmental performance standards were the standards to be put in place to protect wetlands impacted by wellfields, to return them to more acceptable levels. Regulatory aquifer levels were established by the governing board for three major wellfields in northwest Hillsborough County and one wellfield in south Pasco County. Various maps and graphs depicted the wellfields, regulatory levels, and history of wellfield production. Water levels in lakes and wetlands were less impacted farther away from wellfield pumping.

Some lake levels operated where they should, but those were typically removed from pumping or had great confinement beneath the lake. Many lakes fluctuated substantially below the extreme low management level. The goal

was to return the most impacted lakes to above their minimum low-water level 50 percent or more of the time as a starting point; another goal was to improve the areas near the wellfields. Levels would be phased in over a period of eight years and substantial improvement would be seen in the lakes and wetlands.

Commissioner Turanchik moved to request, authorize, and direct the EPC technical staff and, to the extent appropriate, the legal staff to provide legal, professional, and technical support in Hillsborough County's efforts to define environmental performance standards and/or in any litigation or dispute resolution efforts that the County engaged in. Commissioner Hart seconded the motion; it was necessary for the EPC to be at the table on the issue. In response to Commissioner Chillura's question of how much time would be needed, Commissioner Turanchik commented that did not matter; the issue was of extraordinary high priority. Commissioner Turanchik said the motion contemplated using the existing staff and the information and knowledge that they had, and he added that to his motion.

Mr. Stewart did not know how much time would be involved, but he viewed the EPC's technical input not as the source of the numbers that came from SWFWMD; his technical people had primarily been analyzing statistical data available from the Water Management District--the only source. In the past, EPC had attempted to document something very intangible and nebulous--a direct drawdown of wetlands regulated by the EPC--and would continue to do so. EPC would provide technical analysis when possible; Attorney Fotopulos could provide legal opinions and assistance. Commissioner Hart seconded and supported the motion; that was the type of integrated work and collaboration that should be expected, and he took the motion as further reinforcement of higher priority. If there were other concerns, Commissioner Hart expected/asked that Mr. Stewart return and say that there were things that they could not do, and the EPC would decide what the priorities were for the County. The motion carried four to zero. (Commissioners Busansky, Norman, and Wilson were absent.)

So that it was understood where some potentially adversarial parties were coming from in the dispute, Commissioner Turanchik commented that while those data were generally true, general data could not be applied to site-specific wellfield conditions. Data did not integrate impacts of development around the wellfields. The development activity had impeded, interfered with, and altered the natural flow of surface waters that would have otherwise replenished the wetlands and lakes. Thus, it was not the wellfield pumping that affected those but the combination of development and diminished rainfall. Furthermore, rather than decreasing the wellfield pumping, mitigation efforts could be engaged to offset the impacts of the pumping; therefore, the pumping limits proposed by the Water Management District were inappropriate and wrong. That was the position Commissioner Turanchik understood was being taken in the administrative proceedings. Data was data; but, what was the cause was the question.

CITIZENS ADVISORY COMMITTEE

Reappointment of CEAC Members

The following list was provided:

Commissioner Wilson: Cam Oberting, Annie Sutton  
Commissioner Hart: Roy Davis, Tom Mann  
Commissioner Turanchik: Barry Lenz, Jeff Mathias  
Commissioner Norman: John Worth Williams, Dan Ruskiewicz  
Commissioner Chillura: Russ Thomas, C. Dennis Carlton  
Commissioner Berger: Wayne Wiggins, J. Wayne McKenney  
Commissioner Busansky: Dan Rutenberg  
Temple Terrace: Don De Pra  
City of Tampa: Nancy McCann  
Plant City: Vacant

**Commissioner Chillura moved approval of the appointments, which was seconded by Commissioner Hart.** Attorney Fotopulos reported that two vacancies remained--an appointment from Commissioner Busansky and one from Plant City. **The motion carried four to zero.** (Commissioners Busansky, Norman, and Wilson were absent.)

Consider Requests for Pollution Recovery Funds

Attorney Fotopulos said there were two requests for pollution funds--Museum of Science and Industry (MOSI) and Clayton Lakes.

Mr. Russ Thomas, Suite 2600, One Tampa City Center, chairman, CEAC, reported that Lowry Park Zoo withdrew its request for funds. A summary of the last CEAC meeting was given. At the November meeting, a CEAC member had requested a status of the PRF--the unencumbered amount and a breakdown of how PRF monies had been spent since its inception--which was provided at the January meeting. A copy of the breakdown was provided to the EPC. The CEAC had an internal policy of retaining \$100,000 in the fund for emergencies, which left about \$300,000 available in the fund. The two remaining requests for funds were educational type projects, in most respects. Most of the recommendations had been in terms of education and, for a balancing effect, it was felt that the focus should be placed more on pollution recovery type projects.

The CEAC agreed to recommend Clayton Lakes funding at \$34,700 of a \$129,000 request and, if additional monies became available, that the educational function of the Clayton Lakes project be funded; doing the same with MOSI, the recommendation was to fund \$55,500--the restoration portion of a \$169,000 request. Sensing that the account was dwindling and realizing not as much fine money would be collected in Fiscal Year 1996, the CEAC wanted to be responsible in its recommendations for funding requests.

Chairman Berger reported that Mobil Oil was being fined by DEP regarding a spill in 1982. She had asked that those funds--the fine/the penalty--be restricted to Hillsborough County. The cash amount discussed was \$100,000, and the remainder consisted of credits for land to be deeded to the State and previously performed environmental remediation. Commissioner Berger reported that the fine was \$485,000; DEP would accept 80 acres of land for SWFMWD, but the dollar penalty was \$100,000. DEP had agreed that EPC would handle those

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funds as they had Gardinier and others in the past.

Commissioner Chillura suggested that CEAC have a running balance of funds at all its meetings. Center Place and the lake had been an issue for some time, and **Commissioner Chillura supported the entire amount requested and moved that be done; Commissioner Hart seconded the motion.** Continuing, Commissioner Chillura said--the project needed to be done, it had been a stepchild from the beginning--that MOSI be funded the amount recommended by CEAC. MOSI had received an enormous amount of support from the County, from guaranteeing bond indebtedness to picking up debt service when attendance dropped off. In the interest of time, that would be **Commissioner Chillura's formal motion, to proceed with the Clayton Lakes Request and then to fund MOSI the amount requested.** The amounts were clarified, as \$129,000 for Clayton Lakes and \$55,500 for MOSI. **Commissioner Hart included that in his second. The motion carried four to zero.** (Commissioners Busansky, Norman, and Wilson were absent.) Responding to Commissioner Hart, Mr. Thomas commented on the requirements for funding used by CEAC.

CONSENT AGENDA

Approval of Minutes

August 17, 23, 1995

September 27, 1995

October 26, 1995

November 22, 1995

December 21, 1995.

Report of the Executive Director

1. Acceptance of Monthly Activity Reports
2. Legal Department Monthly Reports
3. Acceptance of Contributions to Pollution Recovery Fund
4. Analysis of Gardinier Settlement Fund

**Commissioner Chillura moved the consent agenda, seconded by Commissioner Turanchik, and carried four to zero.** (Commissioners Busansky, Norman, and Wilson were absent.)

COMMISSIONERS' REQUESTS

Discussion - Martin Brothers Property (Commissioner Busansky)

Commissioner Busansky was absent, and Commissioner Chillura suggested that the item be rescheduled. **Commissioner Turanchik moved to continue, which was seconded by Commissioner Chillura, and carried four to zero.** (Commissioners Busansky, Norman, and Wilson were absent.) Commissioner Turanchik apologized for his late arrival and explained he was detained in a committee meeting.

CITIZENS WISHING TO APPEAR

Chairman Berger opened for public comment; there was no response.

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There being no further business, the meeting was adjourned at 11:47 a.m.

READ AND APPROVED: \_\_\_\_\_  
CHAIRMAN

ATTEST:  
RICHARD AKE, CLERK

BY: \_\_\_\_\_  
Deputy Clerk

SW

MARCH 21, 1996 - ENVIRONMENTAL PROTECTION COMMISSION - DRAFT MINUTES

The Hillsborough County Environmental Protection Commission (EPC) met in Regular Meeting, scheduled for Thursday, March 21, 1996, at 10:00 a.m. in the Boardroom, County Center, Tampa, Florida.

The following members were present: Chairman Dottie Berger and Commissioners Phyllis Busansky, Joe Chillura, and Sandra Wilson. The following members were absent: Commissioners Chris Hart and Jim Norman (attending funerals), and Commissioner Ed Turanchik (in Tallahassee).

Chairman Berger called the meeting to order at 10:05 a.m. Mr. Roger Stewart, Executive Director, EPC, reviewed the following changes to the agenda: Mr. Dibbs would not be addressing the Board and the Solid Waste Report would not be heard.

OFF-THE-AGENDA ITEM

Chairman Berger extended Board appreciation for a job well done, and read and presented proclamations to the following EPC staff for their efforts in the EPC Small Quantity Generator Program. The program was recognized by the Florida Department of Environmental Protection Agency (DEP) as one of the best programs of its kind in the State: Ms. Kelly Boatwright, Mr. Earl Baker, Mr. DeWitt Bruce, Ms. Renee Cain, Ms. Terilyn Couillard, Ms. Brenda Fonda, Ms. Carole Mercer, Mr. Paul Schipfer, and Ms. Marie Shudark. On behalf of the group Mr. Schipfer thanked the Board. **Commissioner Chillura** suggested a photograph be taken of the recipients, a story run in the EPC Newsletter about various accomplishments, and **moved to do that, which was seconded by Commissioner Busansky, and carried four to zero.** (Commissioners Hart, Norman, and Turanchik were absent.)

CONSENT AGENDA

Approval of Minutes: January 17, 1996. **Commissioner Busansky moved the approval, seconded by Commissioner Wilson, and carried four to zero.** (Commissioner Hart, Norman, and Turanchik were absent.)

Report of the Executive Director:

1. Acceptance of Monthly Activity Report
2. Legal Department Monthly Reports
3. Acceptance of Contributions to Pollution Recovery Fund (PRF)
4. Analysis of Gardinier Settlement Fund

**Commissioner Chillura moved to approve the Consent Agenda, seconded by Commissioner Busansky, and carried four to zero.** (Commissioners Hart, Norman, and Turanchik were absent.) Chairman Berger said that because the PRF did not show the two allocations approved at the last meeting, she had asked staff, in the future, to show on the report that two additional allocations had been made from the fund. Chief EPC Counsel Sara Fotopulos concurred.

CITIZENS ENVIRONMENTAL ADVISORY COMMITTEE (CEAC)

Attorney Fotopulos reported that CEAC held the first EPC rule review meeting on March 18 and reviewed the Solid Waste Rule. The process established was to have staff presentation on the rule, public comment, CEAC discussion, and appointment of two CEAC members to work with staff on any proposed changes or recommendations. A schedule had been set to address specific rules, which

would then be brought back to the EPC. Meeting notices would go out in the County's normal notice mode and to the media, and there had been an article on the process in The Tampa Tribune, on Sunday, March 17.

#### COMMISSIONERS' REQUESTS

##### MARTIN BROTHERS' PROPERTY

Referring to a letter dated December 28, 1995, from Attorney William Humphries III, one of the attorneys for the Martin brothers, Commissioner Busansky said that what had happened to the Martins was a tragic flaw in the judicial system and that it was important for Attorney Fotopulos to address the Board on that issue.

Attorney Fotopulos reviewed the Martin brothers' case concerning their west property line next to Pinellas County's wellfield where the Martins had one borrow pit. Construction/demolition type material and vegetative debris had been dumped into the pit, but because there was water in the pit, that caused concern, which evolved into an ongoing court case in Pinellas County. Attorney Fotopulos reviewed what had happened to date--KBH Consultants (KBH) had been retained to clean up the property, claimed to have suffered financial loss doing that work and asked for more money; EPC was involved due to wetlands on the property; there was an agreement among Pinellas County, KBH, EPC, Hillsborough County, and the DEP about the work progression and reclamation; and an evidence hearing scheduled for June or August on what reclamation was required, and who was required to do it, which interested EPC because there were 11 acres of wetlands expected to be restored to the County. There were many issues to be resolved and EPC would be watching what happened. Because the Martin brothers were primary in the litigation to be held responsible for the work and did not have the resources, EPC had been working with them to develop a mitigation/restoration plan that would be acceptable and practical for all involved. Following discussion that there had been no toxic waste found on the property, that the same Pinellas County judge had been on the case almost from the beginning, and that the property had been devastated through excavation, Commissioner Busansky suggested the Board hear from the Martin brothers' attorney about what they felt was happening. Attorney Fotopulos said EPC had issued a notice of intent to initiate enforcement to the Martins and Pinellas County in an effort to find out what their intentions were concerning reclamation, but that it was premature for EPC to intervene until the Court had decided who was responsible. Commissioner Chillura suggested asking 60-Minutes to do a story to air out the whole issue, because if there was one judge involved that was allowing the issue to continue, if the system would not provide an answer, public sentiment might, but it was not appropriate for the EPC Board to take such action. Commissioner Busansky moved to invite the attorney for the Martin brothers to speak at the next meeting. Mr. Stewart endorsed the comments made by Commissioner Busansky on the case, explained that over \$2 million worth of discreet sampling was done on the property, nothing of concern was found, that he and Dr. Richard Garrity, district director, DEP, had so testified, which testimony was thrown out, and they were both declared unreliable witnesses.

Commissioner Turanchik momentarily joined the meeting and explained that he

THURSDAY, MARCH 21, 1996 - DRAFT MINUTES

had received an award as the public servant of the year on growth management from 1000 Friends of Florida. The committee bill on water had been pulled back due to efforts to frame new water legislation, and he was representing the eight points adopted by the County. Commissioner Turanchik left the meeting after his comments. **Commissioner Chillura** suggested that since EPC was the County's arm to protect and preserve the environment, it recognize Commissioner Turanchik at the next meeting with some type of commemoration--a reception, an acknowledgement from EPC, or a proclamation, and **moved to do that, which was seconded by Commissioner Wilson, and carried four to zero.** (Commissioners Hart, Norman, and Turanchik were absent.)

BOARD OF COUNTY COMMISSIONERS (BOCC) REFERRAL (NOISE RULE)

Mr. Anthony D'Aquila, EPC staff, referred to a letter from Mr. Gene Boles, director, Planning and Development Management Department (PDMD), about an item raised at a land use meeting concerning a small local manufacturing firm entitled Old Oak Truss Company. He noted that EPC investigated complaints of noise disturbances from that facility in December 1994, and he offered to address the issue through a technical assessment of the noise or by discussion about the enforcement of standards, which was implied in Mr. Boles' letter. Commissioner Chillura commented on noise level standards, suggested the need to revisit noise standards, and felt it necessary to have a noise level demonstration so the Board could fully appreciate the intensity of noise. Mr. D'Aquila agreed to arrange a noise demonstration for the next meeting. Mr. Stewart reviewed the noise standard rules, and Mr. D'Aquila advised that if Old Oak Truss Company continued to take the actions to attenuate the noise, as advised by their consultants, there should be no further problems with that facility.

LEGAL DEPARTMENT

**AUTHORIZE THE EXECUTIVE DIRECTOR TO EXECUTE A CONTRACT WITH D. M. GRIFFITH FOR EPC AUDIT.** Attorney Fotopulos requested EPC to authorize the executive director to sign the audit contract when it was received from D. M. Griffith and Associates, Ltd. **Commissioner Chillura so moved, seconded by Commissioner Busansky, and carried four to zero.** (Commissioners Hart, Norman, and Turanchik were absent.)

**AUTHORIZE THE EXECUTIVE DIRECTOR TO EXECUTE A CONTRACT WITH TAMPA ELECTRIC COMPANY (TECO) FOR LEASE OF POLES FOR FIBER OPTIC CABLE.** Mr. Stewart explained that a contractor had installed a fiber optic line between two EPC buildings, that EPC had to pay a fee to have a wire on TECO poles, that TECO wanted a contract for leasing the poles, and he asked for authority to sign such a contract. **Commissioner Wilson so moved, seconded by Commissioner Busansky, and carried four to zero.** (Commissioners Hart, Norman, and Turanchik were absent.)

**REPORT ON GARDINIER SETTLEMENT TRUST FUND (GSTF) AND REQUEST TO APPROVE SELECTED PROJECTS.** Attorney Vernon Wagner, EPC legal staff, reviewed the history and activity in the Gardinier fund from inception to date, noting that the fund currently had \$1,066,000 in unencumbered funds. Six applications had been received in 1996, but one was withdrawn before staff's review. All of the remaining applications had gone through joint EPC and DEP

staff review, staff's recommendations had been presented to CEAC, and CEAC had concurred with those recommendations.

Staff recommended denial of funding for the Hillsborough Community College (HCC) exotic plant removal and native species planting at Cockroach Bay project, and the Cockroach Bay Users Group for the funding of an informational sign at the Cockroach Bay boat ramp. The HCC proposal met GSTF guidelines, but staff felt that the follow-up of exotic species control should be the responsibility of the County's Environmental Lands Acquisition and Protection Program (ELAPP) management team, and removal had started. In reviewing the staff recommendation, Commissioner Busansky felt the management team would need funding and suggested Attorney Wagner contact the team, have the application filled out, define what funding was necessary, and bring answers to the next meeting. Commissioner Wilson suggested that when the project was returned it be called the Cockroach Bay Exotic Removal and Native Species Planting. Attorney Wagner agreed.

Cockroach Bay Users Group - Staff felt sufficient funding would be provided by the Tampa Port Authority (TPA), but asked that the project be tabled in case sufficient funding was not received.

Staff recommended approval of the following projects:

City of Tampa - Ballast Point Park Seawall Enhancement Phase II project was to stabilize the shoreline along the northern boundary of the park and eastward to the pier using natural materials, concrete riprap, and native wetland plants to provide habitat. The project had a proven success rate and was located in a high profile area. Of the \$57,000 requested, staff recommended funding \$25,000 with four conditions: that the Hillsborough County Schools wetland nursery be used when planting was done; that less expensive scrap concrete be used for the base of the project; that applicants work with staff to lessen the extent of revetment; and that jute filter fiber be used instead of plastic. Attorney Wagner answered questions about the seawall at Ballast Point.

Audubon Society - Riverview Civic Center Erosion Control Project - Staff recommended approval of the proposal for \$50,000 with conditions that applicable agencies' (DEP, EPC, TPA) comments be incorporated into the final design of the project, and that GSTF funds be used for the stabilization and nuisance treatment of supplemental planting along the river bank. **Commissioner Wilson moved to approve both the Ballast Point and the Audubon Society projects, seconded by Commissioner Busansky, and carried four to zero.** (Commissioners Hart, Norman and Turanchik were absent.) Commissioner Chillura commented that residents at Ballast Point and Riverview would appreciate a press release on those projects.

Southwest Florida Water Management District (SWFWMD) Surface Water Improvement Management (SWIM) Program - Proposal concerning the Wolfe Branch Creek Habitat Restoration project of approximately 500 acres of County ELAPP property at Wolf Branch Creek, five miles south of the Alafia River. Staff recommended approval of \$300,000 in funding. **Commissioner Chillura moved approval of the Wolfe Branch Creek Restoration project, which was seconded by**

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**Commissioner Wilson.** Chairman Berger added with the condition that an approved master plan was developed. **The motion carried four to zero.** (Commissioners Hart, Norman, and Turanchik were absent.) Chairman Berger suggested that in the future staff prepare a summary sheet indicating projects recommended and not recommended, along with the dollar values.

Chairman Berger called for public comment; there was no response.

Commissioner Chillura said he would copy board members on information he had received on the staff investigation about whether the EPC board could, under the tree ordinance, impose fines on property owners who were causing cypress trees to die because of wetland destruction.

There being no further business, the meeting was adjourned at 11:10 a.m.

READ AND APPROVED: \_\_\_\_\_  
CHAIRMAN

ATTEST:  
RICHARD AKE, CLERK

By: \_\_\_\_\_  
Deputy Clerk  
eb

## **Compliance Inspection Verification Program Review**

The purpose of this review is to gauge program performance, specifically at the fifth and tenth months of the contract. Our ultimate goal is to ensure effective communication between the Contractors and DEP. This communication should be in both written and verbal formats.

Each section contains an area for comments. The comment section should be used to explain deficiencies as well as to highlight superior performance. These reviews will become part of the Contractor's permanent file. As we collect these reviews, this information will be important in developing future contract performance standards.

It is also very important to perform these reviews in a timely manner. The rationale for choosing the fifth and tenth months was twofold; The fifth month is early enough to identify problem areas and the tenth month allows adequate time to correct deficiencies.

In summary:

1. Provide Comments
2. Highlight Deficiencies & Superior Performance
3. Conduct Reviews at the Fifth and Tenth Months
4. Provide Copies to Contractor & Contracts Section
5. Make Sure to Discuss the Complete Review with the Contractor, if possible, the same day

**Pollutant Storage System  
Compliance Inspection Verification Program Review**

Hillsborough County - Contract No. GC 399

**I. Facility Inspection & Enforcement Actions:**

	Y	N	N/A
A. The Program is performing within established contract performance levels described in the <u>contract scope of services</u> ?	<u>X</u>	_____	_____
B. The program follows enforcement case referral procedures as described in the CONTRACTOR responsibilities section of contract?	_____	_____	<u>X</u>

**Contractor performs Level III enforcement.**

**Comments:**

- **The Contractor's inspectors provide excellent written documentation on both the cover page and the inspection checklist pages of the inspection. This significantly enhances the quality of the inspection, especially as related to the use of these documents in any subsequent enforcement action.**
- **The Contractor develops internal forms to assist the inspectors in carrying out their duties. This significantly enhances the consistency of the work being done by the inspectors.**
- **The Contractor conducts plan reviews before each tank closure and installation. This is an excellent practice that improves the quality of the assistance provided to the regulated community.**
- **The Contractor has developed their own database. This clearly demonstrates this contractor's commitment to providing excellent service to the County, to the DEP, and to the regulated community.**

**II. Data Management:**

A. Contractual Service <u>Invoices</u> , <u>PORS</u> , <u>Compliance Activity Inspection Forms</u> submitted to the District no later than the 10th for the following month of operation?	_____	<u>X</u>	_____
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**However, the timing of the submittal is improving as the contractor acclimates to the new contract requirements for report submittal. Furthermore, the DEP contract manager has agreed to a submittal date of the 15th of the month.**

B. INSPEC Report updated not later than the 10th day of the month following inspection?	<u>X</u>	_____	_____
---	----------	-------	-------

### Inspection Verification Program Review (Continued)

	Y	N	N/A
C. Compare the INSPEC Report, PORS, and Department copies of the Compliance Inspection Forms. Do the reported numbers of all three match? (With the Exception of Unregistered Closure Inspections). If no, explain in Comments.	<u>X</u>	_____	_____
<b>Except for first month of the contract when some yellow forms were submitted late.</b>			
D. DRF inspections performed within 10 days of receipt?	<u>X</u>	_____	_____
E. If free product was present, was DRF inspection performed within 24 hours?	_____	_____	<u>X</u>
F. Are TCAR's reviewed and appropriate follow-up letters issued	<u>X</u>	_____	_____
<b>Some reviews and follow up letters take longer than 30 days.</b>			
G. Is PCT updated by the 10th day of the following month?	_____	_____	<u>X</u>
<b>Unable to verify.</b>			
H. Is each facility's longitude and latitude verified?	<u>X</u>	_____	_____
I. Have necessary corrections been completed?	_____	_____	<u>X</u>
J. Are FPLRIP checklists completed and FPLRIP/ATRP packages submitted to DEP by the 10th day of the month following the inspection?	<u>X</u>	_____	_____
<b>The contractor keeps a separate list of FPLRIP submittals.</b>			
K. Contract Completion Rate			
Fourth Month <u>29.7%</u>			

### III. Staffing:

A. Is staff supervised by a DEP equivalent ES III or Higher?	<u>X</u>	_____	_____
B. Are level one and two enforcement actions performed by a DEP equivalent ES II or higher?	<u>X</u>	_____	_____
C. Are inspections conducted by a DEP equivalent ES I or higher?	<u>X</u>	_____	_____

**Inspection Verification Program Review (Continued)**

	Y	N	N/A
D. Are clerical activities performed by DEP equivalent of Secretary Specialist or higher?	<u>X</u>	_____	_____
E. Have all applicable staff members received proper initial OSHA Training? (Within 6 months of hire).	_____	_____	<u>X</u>
<b>No new hires.</b>			
F. Have all applicable staff members completed annual 8 hour OSHA refresher training?	<u>X</u>	_____	_____
<b>Except one inspector who missed last years training.</b>			
G. Have all applicable staff members attended required meetings, teleconferences and training?	<u>X</u>	_____	_____
<b>IV. Public Assistance:</b>			
A. Are complaint investigations performed and documentation submitted to DEP on a monthly basis?	<u>X</u>	_____	_____
B. Is program information available to the public?	<u>X</u>	_____	_____
C. Is reasonable public access provided for all facility files?	<u>X</u>	_____	_____
<b>V. Program Management:</b>			
A. Is there proper review and follow-up of closure assessment reports?	<u>X</u>	_____	_____
B. Are facility files properly labeled, maintained and organized?	<u>X</u>	_____	_____
C. Are complete and current reference standards maintained?	_____	<u>X</u>	_____
<b>Almost all referenced standards are available. However, the contractor also maintains pertinent standards not referenced in the rule (see Exhibit 4).</b>			
D. Is recycled paper used for program correspondence?	_____	<u>X</u>	_____
E. Was Corrective Action Plan submitted within 10 days of written request by DEP Project Manager?	_____	_____	<u>X</u>
F. Was a Corrective Action Plan successfully implemented?	_____	_____	<u>X</u>
G. Was breach of contract corrected within 45 days?	_____	_____	<u>X</u>

**Inspection Verification Program Review (Continued)**

	Y	N	N/A
<b>VI. Accounting:</b>			
A. Are financial books, records and other pertinent documents maintained for current and previous years' contracts?	<u>X</u>	_____	_____
B. Is a separate Accounting Cost Center maintained for the contract?	<u>X</u>	_____	_____
C. Do POR's reports match physical copies of Compliance Inspection Forms (CIF's) and INSPEC?	<u>X</u>	_____	_____
<b>Unmatched POR's billings should not be submitted to finance and accounting for payment until reconciled</b>			
<b>VII. Equipment:</b>			
A. Are computers, terminals and printers maintained on site and available to storage tank program staff?	<u>X</u>	_____	_____
B. Is staff trained in the proper use of computer and field equipment?	<u>X</u>	_____	_____
C. Is field equipment calibrated and maintained in good working order?	<u>X</u>	_____	_____
D. Does the program have the necessary equipment to perform the inspections?	<u>X</u>	_____	_____

**VIII. Inspection Report and File Review: (See Exhibit 2)**

**Comments:**

- Recommend that the contractor's inspectors use #8 on both the UST and AST inspection checklists to identify financial responsibility violations.
- This auditor observed an excellent practice conducted by inspector Shelly Wheat, that is, she makes a note with red ink on the original inspection when non-compliance issues have been corrected.
- This auditor observed that the contractor's inspectors make an extra effort to notify owners and operators of upcoming upgrade deadlines on the inspection forms.
- Most inspectors provide excellent documentation on the reinspection cover sheet of what items were "reinspected" and whether corrective actions were made.

**IX. Field Inspection Review: (See Exhibit 3)**

**Inspection Verification Program Review (Continued)**

**X. Contractor Input:**

A. What problems have been encountered?

- **DEP's failure to keep the STCM/STI databases updated.**
- **The DEP personnel doing the field audits have significantly less inspection experience than those being audited, therefore, the DEP personnel should treat the field audit as a "learning experience" and ask questions, not give answers.**
- **The DEP auditors' file reviews may miss things if they do not look at the past years inspections during the review.**

B. What changes should be made?

**XI. Reviewer Comments:**

Review Completed By:

Nancy Stearns

Date:

3/18/96

MONTHLY ACTIVITIES REPORT  
AIR MANAGEMENT DIVISION  
MARCH

A.	Compliance Assistance Activities	
1.	Outreach Correspondence	<u>5</u>
2.	Workshops	<u>0</u>
B.	Public Outreach/Education Assistance:	<u>231</u>
C.	Industrial Air Pollution Permitting	
1.	Permit Applications Received (Counted by Number of Fees Received):	
a.	Operating:	<u>3</u>
b.	Construction:	<u>5</u>
c.	Amendments:	<u>0</u>
d.	Transfers/Extensions:	<u>5</u>
2.	Delegated Permits Issued by EPC and Non-delegated Permits Recommended to DEP for Approval (Counted by Number of Fees Collected):	
a.	Operating:	<u>3</u>
b.	Construction:	<u>7</u>
c.	Amendments:	<u>6</u>
d.	Transfers/Extensions:	<u>6</u>
3.	Intent to Deny Permit Issued	<u>4</u>
4.	General Permits (Mercury Reclamation facilities)	<u>0</u>
D.	Administrative Enforcement	
1.	Documents Issued:	
a.	Notice of Intent to Initiate Enforcement	<u>0</u>
b.	Citation	<u>0</u>
c.	Other _____	<u>0</u>
2.	Total Cases Initiated (by C.O.)	<u>2</u>
3.	Cases Resolved:	<u>3</u>
4.	Cases Referred to Legal Department:	<u>0</u>
5.	Consent Orders Signed:	<u>1</u>

6. Contributions to the Pollution Recovery Fund: \$ 1,900.00

<u>Organization Name</u>	<u>Violation</u>	<u>Amount</u>
a. Haliburton Motors	Mobile Source	\$100.00
b. Dart Container Corp.	Permit Violation	\$1,800.00

E. Inspections:

1. Industrial Facilities:	<u>25</u>
2. Air Toxics Facilities:	
a. Asbestos Emitters	<u>0</u>
b. Area Sources (i.e. Drycleaners, Chrome Platers, etc...)	<u>3</u>
c. Major Sources	<u>0</u>
3. Asbestos Demolition/Renovation Projects:	<u>44</u>
4. Gasoline Retailers:	<u>19</u>
5. Auto Repair Facilities:	<u>2</u>
6. Retail Auto Dealers:	<u>0</u>
7. Automotive Parts Stores:	<u>0</u>
8. Fleet Operators:	<u>0</u>
9. CFC Facilities:	<u>42</u>
F. Open Burning Permits Issued:	<u>6</u>
G. Number of DOF Permits Monitored:	<u>121</u>
H. Total Citizen Complaints Received:	<u>52</u>
I. Total Citizen Complaints Investigated:	<u>66</u>
J. Noise Sources Monitored:	<u>12</u>
K. Air Program's Input to DRI's:	<u>4</u>
L. Test Reports Reviewed:	<u>29</u>
M. Compliance:	
1. Warning Notices Issued:	<u>17</u>
2. Warning Notices Resolved:	<u>10</u>
3. Advisory Letters Issued:	<u>4</u>

FEES COLLECTED FOR AIR MANAGEMENT DIVISION  
MARCH

	Total Revenue
1. Non-delegated construction permit for an air pollution source	
(a) New Source Review or Prevention of Significant Deterioration sources	<u>\$ -0-</u>
(b) all others	<u>\$ -0-</u>
2. Non-delegated operation permit for an air pollution source	
(a) class B or smaller facility - 5 year permit	<u>\$ -0-</u>
(b) class A2 facility - 5 year permit	<u>\$ -0-</u>
(c) class A1 facility - 5 year permit	<u>\$ -0-</u>
3. (a) Delegated Construction Permit for air pollution source (20% of the amount collected is forwarded to the DEP and not included here)	<u>\$2,400.00</u>
(b) Delegated operation permit for an air pollution source (20% of the amount collected is forwarded to the DEP and not included here)	<u>\$2,400.00</u>
4. Non-delegated permit revision for an air pollution source	<u>\$ -0-</u>
5. Non-delegated permit transfer of ownership, name change or extension	<u>\$ -0-</u>
6. Notification for commercial demolition	
(a) for structure less than 50,000 sq ft	<u>\$3,040.00</u>
(b) for structure greater than 50,000 sq ft	<u>\$ -0-</u>
7. Notification for asbestos abatement	
(a) renovation 160 to 1000 sq ft or 260 to 1000 linear feet of asbestos	<u>\$ 120.00</u>
(b) renovation greater than 1000 linear feet or 1000 sq ft	<u>\$ 660.00</u>
8. Open burning authorization	<u>\$1,420.00</u>
9. Enforcement Costs	<u>\$ 370.00</u>

COMMISSION

DOTTIE BERGER  
PHYLLIS BUSANSKY  
JOE CHILLURA  
CHRIS HART  
JIM NORMAN  
ED TURANCHIK  
SANDRA WILSON

EXECUTIVE DIRECTOR

ROGER P. STEWART



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WASTE MANAGEMENT DIVISION  
TELEPHONE (813) 272-5788

WETLANDS MANAGEMENT DIVISION  
TELEPHONE (813) 272-7104

**MEMORANDUM**

**DATE:** February 20, 1996

**TO:** Tom Koulianos, Director, Finance & Admin. Div.

**THROUGH:** Hooshang Boostani, Director, Waste Management Div. *H.B.*

**FROM:** Gregory C. Cowden, Env. Mgr., STC Dept. *ACC*

**SUBJECT: Recycled Paper**

I request that research be conducted to obtain the best cost to purchase recycled paper per FDEP Contract No. GC399 - "Contractor Responsibilities": 17. "The Contractor shall use recycled paper for all program correspondence and documents with the exception of inspection report forms."

The Fifth Month Program Review, GC399 done by the FDEP Southwest District Tanks Program liaison indicated that recycled paper is not used. "Question V. Program Management: D. Is recycled paper used for program correspondence? No."

Only the letterhead paper is recycled.


Preliminary investigation, by myself, indicates that a lower price than what we presently pay per box may be obtained by purchasing in larger quantity (a flat = 40 boxes) at a time. Perhaps if the entire agency used recycled paper this could be done.

Please let me know, within 15 days of receipt, the status of this request. Hopefully, within 60 days a more environmentally and economically beneficial solution can be attained.

Memorandum

Florida Department of  
**Environmental Protection**

TO: Greg Cowden, Environmental Manager  
Environmental Protection Commission, Hillsborough County

FROM: Nancy Evans, Environmental Manager  
Southwest District Office 

DATE: March 18, 1996

SUBJECT: Fifth Month Program Review, GC399

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I have completed the fifth month program review for the Storage Tank Compliance Verification Program Contract GC399. There are no significant deficiencies with the work being performed by EPC. However, there are some items that need to be corrected. EPC should begin using recycled paper for all storage tank program correspondence, reports, and deliverables. Additionally, EPC should provide the few referenced standards that have not already been provided (see exhibit 4).

Overall, EPC inspectors do excellent work, please review the comments in Sections I & VIII

cc: Marshall Mott-Smith, DEP-Tallahassee  
Gwenn Godfrey, DEP-Contracts

REC'D  
MAR 19 1996  
ENV. PROT. COMM.  
OF H.C.

**ACTIVITIES REPORT  
WATER MANAGEMENT DIVISION**

**MARCH, 1996**

**A. ENFORCEMENT**

1. New Enforcement Cases Received:	0
2. Enforcement Cases Closed:	2
3. Enforcement Cases Outstanding:	34
4. Enforcement Documents Issued:	4
5. Warning Notices:	5
a. Issued:	3
b. Resolved:	2
6. Contributions to the Pollution Recovery Fund:	\$18,050.00
7. Recovered costs to the General Fund:	\$ 4,109.20

<u>Case Name</u>	<u>Violation</u>	<u>Amount</u>
a. Bay Bayou Taveler	C/S in service w/o approval	\$ 300.00
b. University East	Operational violations	1,600.00
c. Rice Creek	Operational/disposal violations	4,450.00
d. Sherwood Forest	Operational violations	5,700.00
e. Silver Dollar Trap	Operational/disposal violations	6,000.00

**B. PERMITTING - DOMESTIC**

1. State Permit Applications Received:	39
a. Facility Permit:	6
(i) Types I and II	0
(ii) Type III	6
b. Collection Systems-General:	16
c. Collection Systems-Dry Line:	17
d. Residuals Disposal:	0
2. State Permit Applications Approved:	17
a. Facility Permit:	8
b. Collection Systems-General:	3
c. Collection Systems-Dry Line:	6
d. Residuals Disposal:	0
3. State Permit Applications Recommended for Disapproval:	0
a. Facility Permit:	0
b. Collection Systems-General:	0
c. Collection Systems-Dry Line:	0
d. Residuals Disposal:	0
4. State Permit Applications (Non-Delegated) Recommended for Approval:	0
5. State Permit Applications Outstanding:	119
a. Facility Permit:	81
b. Collection Systems-General:	22
c. Collection Systems-Dry Line:	16
d. Residuals Disposal:	0

C. INSPECTIONS - DOMESTIC

1. Compliance Evaluation:	<u>14</u>
a. Inspection (CEI):	<u>1</u>
b. Sampling inspection (CSI):	<u>13</u>
c. Toxics Sampling Inspection (XSI):	<u>0</u>
d. Performance Audit Inspection (PAI):	<u>0</u>
2. Reconnaissance:	<u>28</u>
a. Inspection (RI):	<u>17</u>
b. Sample Inspection (SRI):	<u>6</u>
c. Complaint Inspection (CRI):	<u>3</u>
d. Enforcement Inspection (ERI):	<u>2</u>
3. Special:	<u>25</u>
a. Diagnostic Inspection (DI):	<u>0</u>
b. Residual Site Inspection (RSI):	<u>0</u>
c. Preconstruction Inspection (PCI):	<u>9</u>
d. Post Construction Inspection (XCI):	<u>16</u>

D. PERMITTING - INDUSTRIAL

1. State Permit Applications Received:	<u>1</u>
a. Facility Permit:	<u>0</u>
(i) Types I and II	<u>0</u>
(ii) Type III with groundwater monitoring	<u>0</u>
(iii) Type III w/o groundwater monitoring	<u>0</u>
b. General Permit:	<u>0</u>
c. Preliminary Design Report:	<u>1</u>
(i) Types I and II	<u>0</u>
(ii) Type III with groundwater monitoring	<u>0</u>
(iii) Type III w/o groundwater monitoring	<u>1</u>
2. Permits Recommended to DEP for Approval:	<u>2</u>
3. State Permit Applications Outstanding:	<u>22</u>
a. Facility Permits:	<u>22</u>
b. General Permits:	<u>0</u>

E. INSPECTIONS - INDUSTRIAL

1. Compliance Evaluation:	<u>5</u>
a. Inspection (CEI):	<u>5</u>
b. Sampling Inspection (CSI):	<u>0</u>
c. Toxics Sampling Inspection (XSI):	<u>0</u>
d. Performance Audit Inspection (PAI):	<u>0</u>
2. Reconnaissance:	<u>35</u>
a. Inspection (RI):	<u>20</u>
b. Sample inspection (SRI):	<u>0</u>
c. Complaint Inspection (CRI):	<u>15</u>

F. CITIZEN COMPLAINTS

1. Domestic:	<u>26</u>
a. Received:	<u>14</u>
b. Closed:	<u>12</u>
2. Industrial:	<u>17</u>
a. Received:	<u>7</u>
b. Closed:	<u>10</u>
3. Water Pollution:	<u>4</u>
a. Received:	<u>2</u>
b. Closed:	<u>2</u>

G. RECORD REVIEWS

1. Permitting:	<u>3</u>
2. Enforcement:	<u>3</u>

H. ENVIRONMENTAL SAMPLES ANALYZED FOR:

1. Air Division:	<u>32</u>
2. Waste Division:	<u>8</u>
3. Water Division:	<u>137</u>
4. Wetlands Division:	<u>2</u>

H. SPECIAL PROJECT REVIEWS

1. DRI's:	<u>1</u>
2. Permitting:	<u>0</u>
3. Enforcement:	<u>2</u>
4. Other:	<u>0</u>

J. WATER QUALITY MONITORING SPECIAL PROJECTS

1. Data Review	<u>2</u>
2. Special Sampling	<u>0</u>
3. Biomonitoring/Toxicity Reviews (DW)	<u>1</u>
4. Biomonitoring/Toxicity Reviews (IW)	<u>0</u>
5. Other	<u>0</u>

K. TAMPA PORT AUTHORITY/DEP DREDGE & FILL

13

WETLANDS MANAGEMENT DIVISION  
 EPC BOARD AGENDA BACKUP  
 MARCH, 1996

ASSESSMENT SECTION

A. EPC Wetlands Reviews	<u>Initial</u>	
1. Wetland Delineations (\$100)	<u>38</u>	
- FDEL Dispute	<u>1</u>	
2. Wetland Line Survey Reviews	<u>15</u>	
3. Additional Footage Fees		<u>\$ 480.05</u>
4. Misc. Activities in Wetlands (\$0, \$50 or \$80 as applicable)		
- Nuisance Vegetation	<u>6</u>	
- Other	<u>14</u>	
5. Impact Justification & Mitigation Proposal (\$645)	<u>8</u>	
6. Mitigation Agreements Recorded	<u>3</u>	
7. Mitigation As-Built Survey Review	<u>2</u>	
8. FDOT Reviews	<u>0</u>	
B. EPC Delegation/Reviews from State, Regional, or Federal Authorities		
1. Wastewater Treatment Plants (DEP)	<u>24</u>	
2. Tampa Port Authority Permit Apps. (\$50 or \$150 as applicable)	<u>21</u>	
3. FDEP/SWFWMD Wetland Resource Apps.	<u>0</u>	
4. FDEP Grandfathered Delineation	<u>0</u>	
5. Army Corps of Engineers	<u>1</u>	
6. Interagency Clearinghouse Reviews	<u>0</u>	
7. Development of Regional Impact	<u>2</u>	

**C. Hillsborough County Permit Application Reviews**

1.	Land Alteration/Landscaping (\$80)	<u>2</u>
2.	Land Excavation (\$785 or \$650 as applicable)	<u>1</u>
3.	Phosphate Mining	
	a. Unit Review/Reclamation	<u>0</u>
	b. Annual Review/Inspection	<u>0</u>
4.	Rezoning	
	a. Reviews (\$70)	<u>18</u>
	b. Hearings	<u>0</u>
	c. Hearing Prep (hours)	<u>0</u>
5.	Site Development/Commercial (\$300)	
	a. Preliminary	<u>6</u>
	b. Construction	<u>9</u>
6.	Subdivision	
	a. Preliminary Plat (\$140)	<u>6</u>
	b. Master Plan (\$550)	<u>0</u>
	c. Construction Plans (\$250)	<u>12</u>
	d. Final Plat (\$90)	<u>17</u>
	e. Waiver of Regulations (\$100)	<u>1</u>
	f. Minor--Survey Subd. (\$100)	<u>6</u>
	g. Minor--Certified Parcel (\$100)	<u>0</u>
7.	Miscellaneous Reviews (no fees)	
	a. LAL Variance/ Setback Encroachment	<u>2</u>
	b. Easement Vacating	<u>0</u>
	c. SCS Review	<u>0</u>
	d. Subdiv./Easement Access	<u>0</u>
8.	Preapplications (no fees)	
	a. Review preparation (hours)	<u>7</u>
	b. Meetings/Reports	<u>4</u>

9.	Development Review Committee (no fees)	
	a. Review preparation (hours)	<u>0</u>
	b. Meetings	<u>0</u>

**D. Other Activities**

1.	Unscheduled meetings with members of the public (walk-ins)	<u>52</u>
2.	Other Meetings	<u>74</u>
3.	Telephone conferences	<u>777</u>
4.	Presentation	<u>3</u>
5.	Correspondence	<u>199</u>
6.	Correspondence Review (hours)	<u>9.5</u>
7.	Special Projects (hrs.)	<u>88.7</u>
8.	On-site visits	<u>46</u>
9.	Appeals	<u>0</u>

**INVESTIGATIONS/COMPLIANCE SECTION**

**A. Complaints**

1.	Received	<u>30</u>
2.	Inspected	<u>71</u>
3.	Closed	<u>59</u>

**B. Warning Notices**

1.	Issued	<u>10</u>
2.	Return Inspections	<u>54</u>
3.	Closed	<u>12</u>

**C. Mitigation**

1.	Compliance/Monitoring Reviews	<u>21</u>
2.	Compliance Inspections	<u>20</u>

**D. Other Activities**

1.	Case Meetings	<u>11</u>
2.	Other Meetings	<u>53</u>
3.	Telephone conferences	<u>456</u>
4.	File Reviews	<u>93</u>
5.	Cases Referred to Enforcement Coordinator	<u>3</u>
6.	Letters	<u>49</u>

**ADMINISTRATIVE ENFORCEMENT/ENFORCEMENT COORDINATOR**

<b>A. New Cases Received</b>	<u>4</u>
<b>B. Activities</b>	
1. Ongoing Cases	
a. Active	<u>28</u>
b. Legal	<u>6</u>
c. Pending	<u>4</u>
d. Tracking	<u>18</u>
2. Number of "Notice of Intent to Initiate Enforcement" Issued	<u>0</u>
3. Number of Citations Issued	<u>1</u>
4. Number of "Emergency Order of the Director" Issued	<u>0</u>
5. Number of Consent Orders Signed	<u>3</u>
<b>C. Cases Closed</b>	
1. Administrative/Civil Cases Closed	<u>0</u>
2. Criminal Cases Closed	<u>0</u>
3. Cases Referred to Legal Dept.	<u>1</u>
<b>D. Contributions to Pollution Recovery     Fund</b>	<u>\$510.00</u>
<b>E. Enforcement Costs Collected</b>	<u>\$904.26</u>

**OTHER SECTIONS**

**A. Engineer/Hydrologist Staff**

1. Meetings	<u>23</u>
2. Reviews	<u>22</u>
3. Aerial Reviews	<u>22</u>
4. Telephone calls (Aerials)	<u>45</u>

**Special Projects**

1. CFI - Double Circle Meeting
2. WCRWSA Lake Enhancement Meeting

**B. Soil Scientist**

1. Case Reviews	<u>10</u>
2. Field Soil Investigation	<u>10</u>
3. Soil Investigation Notes/Reports	<u>10</u>
4. Meetings	<u>14</u>

**Special Projects**

1. Hydric Soil Study
2. Division SOP writing
3. Well-field impact study

**C. Administrative Support Staff**

1. Public Record/File Reviews	<u>2</u>
2. Unscheduled Reviews	<u>2</u>
3. Telephone Assistance	<u>2,248</u>
4. Incoming Projects/Information	<u>95</u>
5. Additional Projects/Info logged	<u>125</u>

## LEGAL DEPARTMENT MONTHLY REPORT

April 11, 1996

### A. ADMINISTRATIVE APPEALS

#### NEW CASES [ 2 ]

**Tampa Scrap Processors, Inc.:** Appealed EPC Citation for violations including the management of solid waste, used oil and hazardous waste. Respondent has agreed to proceed with development of an Preliminary Contamination Assessment Plan (PCAP) and implement that plan after EPC staff review and approval. This enforcement action will be held in abeyance while a consent order is negotiated.

**Central Florida Pipeline Corp.:** Appealed EPC Citation for excessive turbidity, inadequate erosion controls during the installation of a pipeline within wetlands near the Alafia River and wetland impacts outside of the areas authorized. Respondent has asserted and EPC staff is in the process of confirming that violations have ceased and needed corrections carried out. Respondent has requested a meeting with EPC staff to resolve outstanding issues following the conclusion of EPC's investigation.

#### EXISTING CASES [ 5 ]

**Marks:** Appealed EPC Citation for wetland destruction; settlement negotiations reached impasse. (see Marks - litigation cases).

**Truck Parts of Tampa:** EPC cited the owner, California Property, Inc. and lessee Truck Parts, Inc., for violations including allowing the discharge of acid and hydraulic fluid, and accumulation of solid waste. The owner of the property appealed the Citation and asserted that he is unable to gain access to the property. The lessee did not appeal. (See Truck Parts - litigation cases).

**EPC v. DEP:** (Florida Power & Light, Orimulsion conversion project.) EPC requested an administrative hearing and leave to intervene in the power plant certification proceedings. EPC's objections to DEP's proposed permitting were based upon Florida Power & Light's failure to provide the required assurances that environmental regulations will be met. EPC's Executive Director entered a stipulation with Florida Power & Light by which EPC objections to the permitting be withdrawn if certain conditions were added to the permit. Final evidentiary hearings have concluded. The Hearing Officer has recommended that the conversion project be permitted subject to conditions including those agreed to in our stipulation. The Governor and Cabinet, sitting as the Power Plant Siting Board, along with the Secretary of DEP will hear argument on exceptions to the recommended order April 23.

**FIBA/Bridge Realty:** EPC issued a Citation to the owner, Bridge Realty, and former tenant, FIBA Corp., for various unlawful waste management practices, and ordered that a contamination assessment be conducted, that a report be submitted and contaminated material appropriately handled. Bridge Realty and FIBA appealed. Bridge Realty has indicated that an assessment has been initiated and a report should be submitted soon.

**Bay Drum & Steel Company, Inc.:** EPC issued a Citation to former tenant (Bay Drum) and Kim Taborelli, owner, ordering implementation of an approved Preliminary Contamination Assessment Plan and submission of a report detailing the nature and extent of contamination. Bay Drum appealed the citation, stating that any contamination which exists on the site was caused by individuals not associated with Bay Drum. Taborelli also appealed the Citation and requested a meeting with staff to discuss the results of a recent contamination assessment. Since being cited the property owner has completed the requested corrective action and submitted a satisfactory final report.

#### CASES RESOLVED [ 0 ]

## B. LITIGATION CASES

### NEW CASES [ 0 ]

### EXISTING CASES [ 12 ]

**Hughes Hard Chrome, Inc.:** Authority granted 1/27/93 to pursue compliance via Consent Order regarding water violations. The company is out of business on the subject site, but does still exist in the county. Other options are being considered.

**Carey:** Authority granted 8/93 to enforce wetland maintenance pursuant to mitigation agreement. Preparing suit for breach of contract.

**Holley, Raymond, et al:** Suit filed against owners for improperly abandoning Underground Storage Tank and to compel proper closure, assessment of contamination, remediation, civil penalties and costs. Default entered; Defendants have filed Bankruptcy. Property has been auctioned to a third party purchaser who may or may not follow through with the purchase depending on results of his investigation and to the condition of the site.

**Marks:** Received authority January 1995, to seek judgment for penalties and costs, as well as an order requiring the restoration of wetlands disturbed by the Mark's activities.

**Balm Grocery:** Received authority on 3/95 to proceed against owners/operators for improperly abandoning underground storage tanks and operational problems with 3 active tank systems.

**DOT v. Bynum, EPC, et al:** DOT has "taken" a parcel of land on which wetlands mitigation is required for an authorized impact that has not yet occurred. The parties are deciding how to adjust the mitigation responsibilities between them. Trial set for May 6, 1996.

**Howard Automotive Services:** Authority granted 8/95 to compel proper removal and closure of four abandoned underground storage tanks, recover penalties and EPC's costs of enforcement. Since authority for legal action granted the USTs have been removed and a contamination assessment completed. Awaiting Contamination Assessment Report (CAR).

**Eastwood Estates Mobile Home Park:** Authority granted 8/95 to compel proper permitting and operation, or restrain operation of wastewater treatment plant and effluent disposal system, recover penalties and EPC's costs of enforcement. Staff met with property owner and proposed terms of a consent order for the owners review. Facility currently does not have a certified operator. Preparing injunction.

**Baity/Johnson v. BOCC/EPC:** The BOCC and EPC sued by both Johnson and Baity for injuries in car accident. The County Attorney's Office is representing EPC and BOCC in both matters.

**Causeway Station:** Authority granted 10/26/95, to compel upgrades or closure of underground storage tanks, to enforce the applicable operating requirements, and to recover penalties and EPC's enforcement costs. Staff has been working with property owner to remedy violations and corrective work in expected to be completed by June 1.

**Moore Properties of Tampa, Inc.:** Authority granted 10/26/95, to compel proper closure and removal of abandoned underground storage tanks, recover penalties and EPC's enforcement costs. Complaint has been filed.

**Truck Parts of Tampa:** Received authority on 12/95 to abate pollution and obtain soil and groundwater assessment, soil and waste tire cleanup, proper disposal, proper management of incoming waste products, costs, and applicable penalties. Potentially responsible parties have been notified and we are preparing the suit.

### RESOLVED CASES [ 0 ]

(agenda\april.96)

COMMISSION

DOTTIE BERGER  
PHYLLIS BUSANSKY  
JOE CHILLURA  
CHRIS HART  
JIM NORMAN  
ED TURANCHIK  
SANDRA WILSON

EXECUTIVE DIRECTOR

ROGER P. STEWART



ADMINISTRATIVE OFFICES, LEGAL &  
WATER MANAGEMENT DIVISION  
1900 - 9TH AVENUE  
TAMPA, FLORIDA 33605  
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FAX (813) 272-5157

AIR MANAGEMENT DIVISION  
TELEPHONE (813) 272-5530

WASTE MANAGEMENT DIVISION  
TELEPHONE (813) 272-5788

WETLANDS MANAGEMENT DIVISION  
TELEPHONE (813) 272-7104

April 10, 1996

ENVIRONMENTAL PROTECTION COMMISSION  
OF HILLSBOROUGH COUNTY  
POLLUTION RECOVERY TRUST FUND

Fund Balance April 10, 1996

\$889,846.00

Encumbrances Against Fund Balance:

Cypress Head Swamp	16,747.00
Carmichael Dump	30,000.00
Wetland Surveys	1,771.00
Lake Chapman Sea.	2,000.00
Seagrass Study	22,876.00
HCC/USF	70,474.00
Public Ed.	1,395.00
Art. Reef FY96	96,802.00
Art. Reef FY97	41,984.00
Nature's Class.	143,533.00
Clayton Lake	34,700.00 - 129,000
Mosi Restoration	55,500.00
Misc.	50,000.00

Total of Encumbrances

567,782.00

Fund Balance Available April 10, 1996

\$322,064.00

COMMISSION

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EXECUTIVE DIRECTOR

ROGER P. STEWART

ENVIRONMENTAL PROTECTION COMMISSION  
OF HILLSBOROUGH COUNTY  
ANALYSIS OF GARDINIER SETTLEMENT TRUST FUND  
AS OF APRIL 10, 1996

Fund Balance as of 10/01/95	\$1,317,447.00
Interest Accrued FY96	36,134.00
Disbursements FY96	(32,376.00)
	<hr/>
Fund Balance	\$1,321,205.00

Encumbrances Against Fund Balance:

Alafia River, Add. (SWIM/DEP)	9,566.00	
McKay Bay Restoration (COT)	50,000.00	
Cockroach Bay Exotic Con. (HCC)	8,618.00	
Delany Creek Enhance. (H.C. Stormwater)	150,000.00	
Oyster Reef/Williams Park	3,235.00	
Hillsborough School /Nurserys	27,307.00	
Alafia River/Wolf Branch	300,000.00	
Ballast Point Seawall Phase II	25,000.00	
Audubon Society Riverview CC	50,000.00	
Total of Encumbrances		<hr/> 623,726.00

Fund Balance Available April 10, 1996	<hr/> <hr/> \$ 697,479.00
---------------------------------------	---------------------------

**ENVIRONMENTAL PROTECTION COMMISSION  
OF HILLSBOROUGH COUNTY  
THURSDAY, APRIL 18, 1996  
COMMISSIONERS BOARD ROOM  
10:00 A.M. - 12 NOON**

**ADDENDUM**

**VII. COMMISSIONER'S REQUESTS**

- B. Stephen J. Dibbs (Comm. Berger)

Any person who might wish to appeal any decision made by the Environmental Protection Commission regarding any matter considered at the forthcoming public hearing or meeting is hereby advised that they will need a record of the proceedings, and for such purpose they may need to ensure that a verbatim record of the proceedings is made which will include the testimony and evidence upon which such appeal is to be based.

BOARD OF COUNTY COMMISSIONERS  
HILLSBOROUGH COUNTY, FLORIDA



Chairman

Jim Norman, District 2

Vice Chairman

Dottie Berger, District 4

Ed Turanchik, District 1

Sandra Helen Wilson, District 3

Chris Hart, District 5

Phyllis Buzarsky, District 6

Joe Chillura, District 7

P.O. Box 1110  
Tampa, Florida 33601  
(813) 272-5660

Daniel A. Kleman, County Administrator

MEMORANDUM

DATE: April 16, 1996

TO: Roger Stewart, Executive Director, EPC

FROM: Commissioner Dottie Berger

SUBJECT: Agenda Item Request Regarding Dibbs Commercial Center

Roger:

Please include the attached for discussion on the EPC Board Meeting on Thursday, April 18, 1996. If you have any questions, please call.

/klm

Post-It™ Fax Note	7671	Date	4/17	# of pages	2
To	Tom K.	From	Com. Berger		
Co./Dept.		Co.			
Phone #		Phone #			
Fax #	2/5157	Fax #			

Re-transmitted as requested

Post-It™ Fax Note	7671	Date	4/16	# of pages	2
To	Roger Stewart	From	Commissioner		
Co./Dept.		Co.	Dottie Berger		
Phone #		Phone #	272 5740		
Fax #	272 5157	Fax #			

**Stephen J. Dibbs**

5812 N. 22nd Street  
Tampa, Florida 33610

Telephone (813) 238-5969  
Fax (813) 238-6978

April 16, 1996

Ms. Dottie Berger  
Chairman  
Environmental Protection Commission  
P.O. Box 1110  
Tampa, FL 33601

**VIA FACSIMILE AND  
U.S. REGULAR MAIL.**

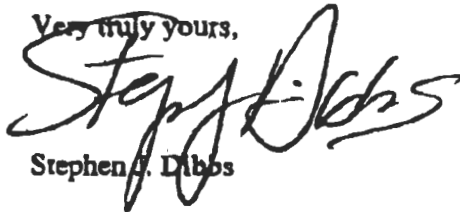
**Re: Dibbs Commercial Center**

Dear Ms. Berger:

Would you please put me on the agenda to consider approval of our proposed Settlement Agreement with Hillsborough County wherein EPC would defer jurisdiction of my project to SWFWMD thereby avoiding duplicate reviews.

Thank you for your consideration.

Very truly yours,



Stephen J. Dibbs

SJD/cgp