

LEE COUNTY BOARD OF COUNTY COMMISSIONERS  
**AGENDA ITEM SUMMARY**

**BLUE SHEET NO: 20021254**

**1. REQUESTED MOTION:**

**ACTION REQUESTED:**

Approve Supplemental Agreement No. 12 to the Professional Services Agreement (Contract No. 123) with Malcolm Pirnie, Inc. (MPI) for a one-year Not-To-Exceed amount of \$178,000.00 for Operations Monitoring/Reporting and \$105,347.00 for "as needed" engineering services. This Supp. Agrmt. provides for two, one-year extensions upon authorization of the Solid Waste Division Director for the same scope and budget.

**WHY ACTION IS NECESSARY:**

To provide technical assistance to the Solid Waste Division for WTE operations monitoring, Solid Waste Disposal Facility Assessment Program, reports to Bond Trustee, Periodic and Annual reports to the County, and other Solid Waste System engineering support.

**WHAT ACTION ACCOMPLISHES:** Extends MPI's agreement to provide required technical support to the Solid Waste Division.

**2. DEPARTMENTAL CATEGORY:** 8 - SOLID WASTE  
**COMMISSION DISTRICT #:** CW

*C8A*

**3. MEETING DATE:**

*11-12-02*

**4. AGENDA:**

- CONSENT
- ADMINISTRATIVE
- APPEALS
- PUBLIC
- TIME REQUIRED:

**5. REQUIREMENT/PURPOSE:**

*(Specify)*

- STATUTE
- ORDINANCE
- ADMIN. CODE
- OTHER *PSA Supplemental Agrmt.*

**6. REQUESTOR OF INFORMATION:**

- A. COMMISSIONER:
- B. DEPARTMENT: *Public Works*
- C. DIVISION/SECTION: *Solid Waste*
- BY: *Lindsey Sampson, Director*

DATE:

*Lindsey Sampson* *10/28/02*

**7. BACKGROUND:**

Malcolm Pirnie, Inc. (MPI) has provided professional engineering services to the Solid Waste Division for the purposes of permitting, construction and operation of the Waste-To-Energy (W-T-E) facility. It has authored the Engineer's Feasibility Report for the financing of the Lee/Hendry Landfill and provided the studies and reports necessary to implement the Solid Waste Disposal Facility Assessment Program for Lee County.

The Solid Waste Division requires continued professional engineering services to continue the assessment program in the incorporated and unincorporated areas of the County; provide technical review and monitor the WTE operations; provide technical assistance on an "as directed" basis for other solid waste programs (e.g. recycling); update solid waste studies, multi-family and commercial generation rates, etc.; and, provide reports to the Bond Trustee.

Supplemental Agreement No. 12 is structured such that a detailed scope is provided for work to be performed through the next year. This Agreement provides for two (2), one year extensions assuming similar magnitudes of work tasks. Of the total estimated amount, approx. \$100,000.00 is budgeted per year, for "as required and directed" work such that the Division must specifically assign tasks, in writing, in order to designate use of these funds.

Funds for FY 02/03 are available in the following account:  
 OB5340840100.503140  
 (Solid Waste /Disposal Facilities/Architect & Engineer Svcs)

**8. MANAGEMENT RECOMMENDATIONS:**

The Solid Waste Division recommends awarding Supplemental Agreement No. 12 to MPI because of the professional assistance and capabilities the Consultant provides for the County's Solid Waste System.

**9. RECOMMENDED APPROVAL**

DEPARTMENT DIRECTOR	PURCH OR CONTRACTS	HUMAN RES.	County Administration				OTHER	COUNTY ATTORNEY	COUNTY MANAGER
			OA	OM	Risk	GC			
<i>J. Lavender</i> DATE: <i>10/29/02</i>	<i>[Signature]</i> <i>10/29/02</i>	N/A	<i>P.M.</i> <i>10/31/02</i>	<i>[Signature]</i> <i>10/31/02</i>	<i>[Signature]</i> <i>10/31/02</i>	<i>[Signature]</i> <i>10/31/02</i>	<i>[Signature]</i> <i>10/31/02</i>	<i>[Signature]</i>	

**10. COMMISSION ACTION:**

- APPROVED
- DENIED
- DEFERRED
- OTHER

RECEIVED BY  
 COUNTY ADMIN.  
*10-31-02*  
 4:30  
 COUNTY ADMIN.  
 FORWARDED TO:  
*10/31/02*

Rec. by CoAtty  
 Date: *10/29/02*  
 Time: *10:22 am*  
 Forwarded To:  
*Budget*  
*10/31/02 9:52am*

LEE COUNTY PROFESSIONAL SERVICE/SERVICE PROVIDER AGREEMENT  
CHANGE ORDER/SUPPLEMENTAL TASK AUTHORIZATION

Change Order  
 Supplemental Task Authorization

NO.: 12

(A Change Order or Supplemental Task Authorization Requires Approval by the Department Director for Expenditures Under \$25,000 or Approval by the County Manager for Expenditures Between \$25,000 and \$50,000 or Approval by the Board of County Commissioners for Expenditures over \$50,000)

CONTRACT/PROJECT NAME: General Engineering Services for the project known as Final Permitting/Approval Assistance, Construction Monitoring and Acceptance Testing and As-Built Review for the Solid Waste Energy Recovery Facility Project

CONSULTANT: Malcolm Pirnie, Inc.

PROJECT NO.: \_\_\_\_\_

SOLICIT NO.: 01-02-05 CONTRACT NO.: C 920116 ACCOUNT NO.: CN-92-05

REQUESTED BY: Lindsey Sampson, P.E.

DATE OF REQUEST: October 1, 2002

Upon the completion and execution of this Change Order or Supplemental Task Authorization by both parties the Consultant/Provider is authorized to and shall proceed with the following:

EXHIBIT "CO/STA-A: SCOPE OF PROFESSIONAL SERVICE: DATED: October 1, 2002  
EXHIBIT "CO/STA-B: COMPENSATION & METHOD OF PAYMENT: DATED: October 1, 2002  
EXHIBIT "CO/STA-C: TIME AND SCHEDULE OF PERFORMANCE: DATED: October 1, 2002  
EXHIBIT "CO/STA-D: CONSULTANT'S/PROVIDERS ASSOCIATED SUB-CONSULTANT(S)/SUB-CONTRACTORS: DATED: October 1, 2002  
EXHIBIT "CO/STA-E: PROJECT GUIDELINES AND CRITERIA: DATED: October 1, 2002

It is understood and agreed that the acceptance of this modification by the CONSULTANT/PROVIDER constitutes an accord and satisfaction.

RECOMMENDED:

By: [Signature]  
Department Director Date

By: Lindsey Sampson 10/29/02  
Contracts Mgmt Date

APPROVED:

By: \_\_\_\_\_  
\*County Attorney's Office Date

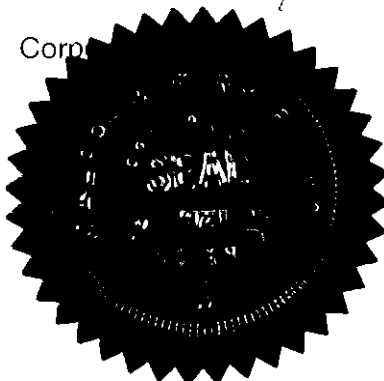
\*County Attorney signature needed for **over** Board level expenditures only.

ACCEPTED:

By: [Signature]  
Consultant/Provider

Date Accepted: 10/1/02

Com



COUNTY APPROVAL:

By: \_\_\_\_\_  
Department Director  
(Under \$25,000)  
Date Approved: \_\_\_\_\_

By: \_\_\_\_\_  
County Manager (Between  
(\$25,000 and under \$50,000)  
Date Approved: \_\_\_\_\_

By: \_\_\_\_\_  
Chairman  
Board of County Commissioners  
Date Approved: \_\_\_\_\_

CHANGE ORDER AGREEMENT No. \_\_\_\_\_

or

SUPPLEMENTAL TASK AUTHORIZATION No. 12

EXHIBIT "CO/STA-A"

Date: October 1, 2002

SCOPE OF PROFESSIONAL SERVICES

for General Engineering Services for the project known as Final Permitting/Approval Assistance, Construction Monitoring and Acceptance Testing and As-Built Review for the Solid Waste Energy Recovery Facility Project

(Enter Project Name from Page 1 of the  
Change Order or Supplemental Task Authorization)

SECTION 1.00 CHANGE(S) TO PROFESSIONAL SERVICES

The "Scope of Professional Services" as set forth in Exhibit "A" of the Professional Services Agreement, or Service Provider Agreement, referred to hereinbefore is hereby supplemented, changed or authorized, so that the CONSULTANT or SERVICE PROVIDER, shall provide and perform the following professional services, tasks, or work as a supplement to, change to, or authorized to, the scope of services previously agreed to and authorized:

See Attachment No. 1 to Exhibit "CO/STA-A".

\*Attach additional pages, if needed.

CHANGE ORDER AGREEMENT No.  
 SUPPLEMENTAL TASK AUTHORIZATION No. 12\_

EXHIBIT "CO/STA-B"

Date: Oct. 1, 2002

COMPENSATION AND METHOD OF PAYMENT

for General Engineering Services for the project known as Final Permitting/Approval Assistance, Construction Monitoring and Acceptance Testing and As-Built Review for the Solid Waste Energy Recovery Facility Project

(Enter Project Name from Page 1 of the  
Change Order or Supplemental Task Authorization)

SECTION 1.00 CHANGE(S) IN COMPENSATION

The compensation the CONSULTANT, or SERVICE PROVIDER, shall be entitled to receive for providing and performing the supplemented, changed or authorized services, tasks, or work as set forth and enumerated in the Scope of Services set forth in this CHANGE ORDER OR SUPPLEMENTAL TASK AUTHORIZATION AGREEMENT, Exhibit "CO/STA-A", attached hereto shall be as follows:

NOTE: A Lump Sum (L.S.) or Not-to-Exceed (N.T.E.) amount of compensation to be paid the CONSULTANT should be established and set forth below for each task or sub-task described and authorized in Exhibit "S/COA-A". In accordance with Professional Services Agreement Article 5.03(2) "Method of Payment", tasks to be paid on a Work-in-Progress payment basis should be identified (WIPP).

Task Number	Task Title	Amount of Compensation	Indicate Basis of Compensation LS or NTE	If Applicable Indicate (W.I.P.P.)
	October 1, 2002 through September 31, 2003			
100	Operations Monitoring	\$70,000	E.S.	W.I.P.P.
200	Bi-Monthly Performance Reports	\$18,000	E.S.	W.I.P.P.
300	Regulatory Compliance	\$25,000	E.S.	W.I.P.P.
400	Modifications to Conditions of Cert.	\$5,000	E.S.	W.I.P.P.
500	Additional Services	\$80,000	E.S.	W.I.P.P.
600	Annual System Update	\$30,000	E.S.	W.I.P.P.
700	Project Management	\$30,000	E.S.	W.I.P.P.
800	General Engineering	\$25,347	E.S.	W.I.P.P.
TOTAL		\$283,347	NTE	

(Unless list is continued on next page)



CHANGE ORDER AGREEMENT No. \_\_\_\_\_

or  
 SUPPLEMENTAL TASK AUTHORIZATION No. 12

EXHIBIT "CO/STA-D"

Date: October 1, 2002

CONSULTANT'S, OR SERVICE PROVIDER'S, ASSOCIATED SUB-CONSULTANT(S) AND SUBCONTRACTOR(S)

for General Engineering Services for the project known as Final Permitting/Approval Assistance, Construction Monitoring and Acceptance Testing and As-Built Review for the Solid Waste Energy Recovery Facility Project

(Enter Project Name from Page 1 of the Change Order or Supplemental Task Authorization Agreement)

CONSULTANT, or SERVICE PROVIDER, intends to engage the following sub-consultant(s) and/or sub-contractor(s) to assist the CONSULTANT, or SERVICE PROVIDER, in providing and performing the services, tasks, or work required under this CHANGE ORDER, or SUPPLEMENTAL TASK AUTHORIZATION AGREEMENT.

(If none, enter the word "none" in the space below.)

Service and/or Work to be Provided or Performed	Name and Address of Individual or Firm	Disadvantaged, Minority or Women Business Enterprise, (If Yes, Indicate Type)			Sub-Consultant Services are Exempted from Prime Consultant=s Insurance Coverage	
		Yes	No	Type	Yes	No
Surveying	AIM Engineering & Surveying 5300 Lee Blvd. Lehigh Acres, FL 33971		X		X	
Engineering Design	Pitman, Hartenstein & Associates 12701 World Plaza Lane, Bldg. 80 Fort Myers, FL 33907		X		X	
Engineering Design	TKW Consulting Engineers, Inc. 12553 New Brittany Blvd., Bldg. 32 Fort Myers, FL 33907	X		WBE	X	
Engineering Design	Tilden Lobnitz Cooper 1400 Colonial Blvd., Suite 203 Fort Myers, FL 33907		X		X	
Engineering Design	Gray Design Group 2121 McGregor Blvd. Fort Myers, FL 33901		X		X	

CMO:028  
09/25/01

CHANGE ORDER AGREEMENT No. \_\_\_\_\_

or  
 SUPPLEMENTAL TASK AUTHORIZATION No. 12

EXHIBIT "CO/STA-E"

Date: October 1, 2002

PROJECT GUIDELINES AND CRITERIA

for General Engineering Services for the project known as Final Permitting/Approval Assistance, Construction Monitoring and Acceptance Testing and As-Built Review for the Solid Waste Energy Recovery Facility Project

(Enter Project Name from Page 1 of the  
Change Order or Supplemental Task Authorization Agreement)

As a supplement, or change, to the Project Guidelines and Criteria set forth in the Professional Services Agreement, or Service Provider Agreement, Exhibit "E", the COUNTY has established the following Guidelines, Criteria, Goals, Objectives, Constraints, Schedule, Budget, and/or Requirements which shall serve as a guide to the CONSULTANT, or SERVICE PROVIDER, in performing the professional services, tasks, or work to be provided pursuant to the professional services set forth hereinbefore in CHANGE ORDER or SUPPLEMENTAL TASK AUTHORIZATION AGREEMENT, Exhibit "CO/STA-A", attached hereto:

(If none, enter the word "None" in the space below.)

ITEM No. 1

NONE

## ATTACHMENT NO. 1

### SCOPE OF PROFESSIONAL SERVICES

#### **GENERAL ENGINEERING SERVICES FOR THE PROJECT KNOWN AS FINAL PERMITTING/APPROVAL ASSISTANCE, CONSTRUCTION MONITORING AND ACCEPTANCE TESTING AND AS-BUILT REVIEW FOR THE SOLID WASTE ENERGY RECOVERY FACILITY PROJECT**

The CONSULTANT has provided engineering services for the Lee County Waste to Energy Facility (Facility) prior to and during construction as well as during the first six years of operation. The CONSULTANT became the COUNTY's Engineer of Record when it completed the Engineer's Feasibility Report on the COUNTY's solid waste system for the 1995 Solid Waste System Revenue Bonds. This Supplemental Agreement No. 12 is a continuation of these professional services and fulfills the COUNTY's obligation under the 1995 Solid Waste System Bond Indenture.

This work scope is comprised of two components: the first component includes Solid Waste Disposal Facility Engineering, which consists of work related to the Facility and its site. The second component is Solid Waste System Engineering that covers work related to other aspects and components of the COUNTY'S solid waste system.

This Supplemental Agreement extension covers a one-year period commencing on October 1, 2002 and ending on September 30, 2003. The work scope and corresponding not-to-exceed budget for Supplemental Agreement No. 12 for fiscal year 2003 is \$283,347. The County, at its sole discretion, may extend Supplemental Agreement No. 12 for up to two one-year periods at the same not to exceed budget.

The CONSULTANT assumes full responsibility for those work items delineated in this "SCOPE OF PROFESSIONAL SERVICES" ("SCOPE"). The CONSULTANT acknowledges that it is being retained by the COUNTY for engineering and professional consulting services related to the operation of the COUNTY'S waste-to-energy facility and solid waste system, and shall use all reasonable efforts to detect and advise the COUNTY of any defects related to the COUNTY'S waste-to-energy facility and/or solid waste system which is within the CONSULTANT'S SCOPE.

CONSULTANT shall not be held liable for any damages or costs directly related to actual or alleged defects or deficiencies in the work or services performed by other parties, except as set forth above.

CONSULTANT shall use all reasonable efforts to protect the COUNTY against all defects and deficiencies in the CONTRACTOR'S (Covanta Lee, Inc.) work, and shall perform its services in accordance with generally accepted standards of the engineering profession. The



furnishing of such services will not give CONSULTANT control over nor make CONSULTANT responsible for operation means, methods, techniques or procedures or for job-site safety precautions or programs, or CONTRACTOR'S failure to comply with OSHA or other laws applicable to CONTRACTOR'S operations.

Additional Services and General Engineering tasks, which are included under each of the two major work areas, respectively, are only accessible through written Work Authorizations and must be approved by the Director of the Division of Solid Waste, or his/her designee prior to the CONSULTANT commencing work on any Additional Services or General Engineering tasks.

The CONSULTANT may use the services of Donald Markley as a special consultant familiar with the Facility. CONSULTANT shall bill Donald Markley's time at \$140 per hour and expenses in the same manner as the CONSULTANT's expenses.

## **DISPOSAL FACILITY ENGINEERING**

This section presents a detailed breakdown of those tasks required for General Engineering Services for the Facility and Solid Waste System Engineering.

### **TASK 100 OPERATIONS MONITORING**

CONSULTANT will provide an assessment of the operational efficiency of the Lee County Solid Waste Energy Recovery Facility (the "Facility"). The CONSULTANT will, to the best of its ability, combine site visits, meetings, and outage inspections to keep travel to a minimum. CONSULTANT will assess the Facility's ability to dispose of solid waste and to convert the solid waste into electricity for sale. CONSULTANT will assess the effectiveness of achieving these goals through the following tasks:

#### **On-Site Inspections**

CONSULTANT will conduct on-site inspections every month and will arrange these visits in advance with the COUNTY and the CONTRACTOR. During the site visits, CONSULTANT will observe operating practices and equipment condition, and will compare such with current industry standards and previous observations. Data logs, plant performance data, and maintenance records will be reviewed to identify any unusual or abnormal activity that may indicate an impending problem. The scope of inspection may also include monitoring any construction associated with improvements and or modifications to the facility. Information from the site inspections and any meetings will be incorporated into a monthly operational summary report to the COUNTY (Task 200).

### **Prepare for and Attend Coordination Meetings**

CONSULTANT will prepare for and attend the monthly coordination meetings, as requested by the COUNTY.

This Attachment No. 1 assumes that one meeting will be held each month for a total of 12 meetings.

### **Conduct Outage Inspections**

During scheduled outages of major equipment such as boilers, turbine, condenser, cooling tower system, ash recovery system, etc., CONSULTANT will conduct inspections of the Facility. A minimum of 24-hours notice is requested on these occasions. CONSULTANT will review CONTRACTOR's proposed maintenance plan and inspect work during and after the outage. It is assumed that each boiler will undergo two scheduled outages per year for a minimum of four on-site Facility outage inspections per year.

### **Stack Testing Monitoring**

CONSULTANT will review the results of the annual stack testing as performed by the stack testing contractor. This will include the observation of daily stack test activity reports, daily observation logs and memos, and a review of the final stack test report and results. CONSULTANT will be on site for at least two days during the stack testing.

## **TASK 200 BI-MONTHLY OPERATIONS MONITORING REPORTS**

### **Bi-Monthly Operations Monitoring Reports**

After receipt of monthly invoices prepared by the CONTRACTOR, the CONSULTANT will review the CONTRACTOR'S invoice and prepare a written evaluation of the Facility's operation based on the data provided. In these reports, CONSULTANT will also provide the findings of its inspections performed during the report period, including a review of scheduled and unscheduled outage maintenance activities performed by the CONTRACTOR. CONSULTANT will submit one copy of this report to the COUNTY on a bi-monthly basis.

## **TASK 300 REGULATORY COMPLIANCE**

### **Compliance with Permit Conditions and the Service Agreement**

CONSULTANT will review Facility performance based upon data logs and maintenance records of major equipment, analyze the data and report to the COUNTY on whether the Facility is being operated and maintained in compliance with the Conditions of Certification, the PSD permit, and the Service Agreement. Included will be a review of stack test data, compliance testing for the ash handling building and lime silo loading operation, calibration logs, maintenance and repair logs, review of quantities of propane, ammonia, activated carbon and other chemicals utilized.

If the Facility is not in compliance with the Conditions of Certification or PSD permit, CONSULTANT will assist the COUNTY and CONTRACTOR in determining the cause and recommend appropriate action. The results from the CONSULTANT's review will be included in the Annual Report.

### **Review Continuous Emissions Monitoring**

CONSULTANT will aid the COUNTY in reviewing continuous emissions monitoring data and incorporate its findings into the CONSULTANT'S Annual Report. The CONSULTANT will evaluate emission levels in terms of permit and contract compliance.

**TASK 400 This task has been intentionally left blank.**

## **TASK 500 ADDITIONAL SERVICES**

It has been the COUNTY'S and CONSULTANT'S experience that from time to time, issues related either directly or indirectly to the Facility arise that could not have been anticipated when the work scope was developed. Such issues typically require the CONSULTANT to undertake specific assignments requested by the COUNTY that have not been specifically described within the original work scope but are consistent with the CONSULTANT's role as the COUNTY's Resource Recovery and Solid Waste Consulting Engineer. Such services would be considered Additional Services.

To address situations when the CONSULTANT is needed to provide professional engineering and consulting services related to the waste-to-energy project, but not specifically identified in the CONSULTANT'S Consulting Engineering Services Disposal Facility work scope, this Additional Services task would be utilized. The Additional Services budget would only be accessible through a written Work Order signed by the Solid Waste Department Director or his/her designee.

When the COUNTY identifies an assignment, the CONSULTANT will prepare a detailed work scope and budget to complete the assignment. The Solid Waste Department Director would then determine if the work scope and budget is warranted. If the Director agreed, the Work Order would be signed which would provide the CONSULTANT authorization to proceed and to expend funds from the Additional Services budget up to the specified not-to-exceed maximum amount contained in the Work Order.

The Additional Services budget will be established to provide funds to undertake a number of potential CONSULTANT work assignments that could include but would not be limited to:

### **Change Orders/Claims and Arbitration**

The CONSULTANT will notify the COUNTY of any proposed CONTRACTOR changes or alterations believed to be in the COUNTY'S best interest. CONSULTANT will also represent the COUNTY on technical issues that arise during any disputes over changes in the Facility that may be encountered. CONSULTANT will review any CONTRACTOR drawings, details, reports and specifications provided to the COUNTY. The CONTRACTOR will review each proposed modification of the specifications with the CONSULTANT prior to implementing the suggested modification, and will provide CONSULTANT with an analysis of its best estimate of the cost thereof, and its effect on the performance and/or operating costs of the Facility. CONSULTANT will review and analyze all data and information and will participate in the negotiation sessions with the CONTRACTOR for dispute resolution.

### **Permit Modifications**

The COUNTY has submitted a request to the FDEP to modify the conditions of certification pursuant to Section 403.516(1)(b), Florida Statutes for the Facility. While most issues relevant to the modification have been settled, there are some issues that remain unsettled. The CONSULTANT will continue to provide technical assistance, if needed, to the COUNTY with regard to the remaining outstanding issues in the modified conditions of certification.

### **Site Related Issues**

The CONSULTANT may be requested to undertake site investigations related to all or a portion of the COUNTY's resource recovery site, which may be utilized for other COUNTY purposes. Such work might involve operational assessments, impact assessments, to expand or improve facility operations or subsurface investigations, water quality issues, and/or transportation investigations and assessments.

### **Ash Related Issues**

The CONSULTANT may be requested to examine issues related to the handling, treatment and disposal of ash from the Facility. Beneficial reuse of ash may be examined as well as other potential ash-related alternatives.

### **Utility Issues**

The CONSULTANT may be requested to evaluate issues pertaining to the water reuse line, electrical connections to the Facility, other off-site utilities, or traffic issues.

### **Regulatory Review**

The CONSULTANT may be required to review and analyze pending local, state, or Federal regulations that could have a potential to have a material effect on Facility operation.

### **Landfill Gas**

The CONSULTANT may be requested to examine and evaluate the feasibility, or related issues, of piping landfill gas to the Facility for use as a supplemental fuel. If the Consultant is required to design and/or procure a landfill gas recovery system, the CONSULTANT will prepare a work scope and budget for the required services to be reviewed and approved by the COUNTY. Depending on the level of effort required of the CONSULTANT to complete the agreed upon work scope, the COUNTY may have to modify the Supplemental Agreement through a Supplemental Task Authorization (STA).

## **TASK 600 ANNUAL PERFORMANCE REPORT AND CORRESPONDENCE TO TRUSTEE**

### **Annual Performance Report**

The CONSULTANT will submit an Annual Report that will detail the Facility's performance for the entire fiscal year. A draft report will be provided to the COUNTY for their review and comment. Once all comments are received, 12 copies of the Annual Report will be submitted to the COUNTY.

A Draft version of the Annual Report will be submitted to the COUNTY no later than December 15 following the end of the fiscal year.

## **Correspondence to Trustee**

The CONSULTANT assumed full responsibility as the Engineer of Record for the COUNTY's Solid Waste System after completing the Consulting Engineers Feasibility Report for the 1995 Solid Waste System Revenue Bonds. The Indenture requires the Engineer of Record to provide an annual update as to the overall feasibility of the COUNTY's Solid Waste System. The purpose of the update is to make a determination as to the effect any change in the COUNTY's Solid Waste System has on the overall feasibility of the System.

The CONSULTANT will utilize the information contained in its annual resource recovery performance report, financial information and other available data related to the system, as well as any new information pertinent to system feasibility and evaluate its overall impact to the solid waste system. This will include a review of the COUNTY's Solid Waste System Financial Analysis and Budget Spreadsheet and an update of the Engineer's Base Case Financial Model. The CONSULTANT will prepare a letter presenting its findings in draft for COUNTY review and comment. A final letter will then be prepared and forwarded to the Trustee.

## **SOLID WASTE SYSTEM ENGINEERING**

This section presents a detailed breakdown of these tasks required for Solid Waste System Engineering.

### **TASK 700 PROJECT MANAGEMENT**

CONSULTANT will provide assistance to COUNTY solid waste staff, including overall system oversight, providing review and comment on contractor's performance and work at the COUNTY'S request, preparation of Work Orders, review of monthly reports and invoices, and review of monthly status reports.

From time to time the COUNTY may request the CONSULTANT to prepare for and give presentations related to the solid waste system to audiences selected by the COUNTY. This could include, but would not be limited to the Board of County Commissioners, local and state regulatory agencies, and other local or community groups.

### **TASK 800 GENERAL ENGINEERING**

On an as-needed basis, when requested by the COUNTY, the CONSULTANT will undertake specific assignments that have not been specifically described within the original work scope. These services would be related to the COUNTY'S solid waste system and could include but would not be limited to the following:

- Evaluation of any other solid waste system components.
- Transfer stations.
- Marketing Facility disposal capacity.
- Providing technical information for COUNTY discussions with surrounding counties.

The budget developed under this General Engineering task would only be accessible through a written Work Order signed by the Director of Solid Waste or his/her designee.

When the COUNTY identifies an assignment, the CONSULTANT will prepare a detailed work scope and budget to complete the assignment. The Solid Waste Department Director would then determine if the work scope and budget is warranted. If the Director agreed, the Work Order would be signed which would provide the CONSULTANT authorization to proceed and to expend funds from the Additional Services budget up to the specified not-to-exceed maximum amount contained in the Work Order.

**LEE COUNTY  
GENERAL ENGINEERING SERVICES  
TASK ESTIMATE**

<b>Task</b>	<b>2002 Estimate</b>	<b>2002 Actual</b>	<b>2003 Estimate</b>
<b>MPI Task 100</b> Operations Monitoring	\$82,500.00	\$67,905.00	\$70,000.00
<b>MPI Task 200</b> Bi-monthly Performance Reports (Outage Reports)	\$12,500.00	\$18,160.00	\$18,000.00
<b>MPI Task 300</b> Regulatory Compliance	\$36,000.00	\$22,542.00	\$25,000.00
<b>MPI Task 400</b> Modifications to Conditions of Certification	\$0.00	\$0.00	\$5,000.00
<b>MPI Task 500</b> Additional Services	\$72,000.00	\$0.00	\$80,000.00
<b>MPI Task 600</b> Annual System Update and Correspondence to Trustee	\$25,000.00	\$34,890.00	\$30,000.00
<b>MPI Task 700</b> Project Management	\$30,000.00	\$25,120.00	\$30,000.00
<b>MPI Task 800</b> General Engineering	\$25,347.00	\$780.00	\$25,347.00
<b>TOTAL (Not to Exceed)</b>	\$283,347.00	\$169,397.00	\$283,347.00