

# Board of County Commissioners DEPARTMENT OF PUBLIC WORKS SOLID WASTE MANAGEMENT DIVISION



P.O. Box 340, Lecanto, Florida 34460 Telephone: (352) 527-7670 FAX: (352) 527-7672

email: landfillinfo@bocc.citrus.fl.us TDD Telephone 527-5303

Citrus Springs/Dunnellon/Inglis/Yankeetown area Toll Free (352) 489-2120 Dept. of Environmental

Protection

July 13, 2006

JUL 17 2006

Mr. John Morris, Florida Department of Environmental Protection 13051 N Telecom Pkwy Temple Terrace, Fl 33637-0926

Southwest District

RE: WEEKLY LEACHATE MONITORING REPORT FOR CITRUS COUNTY CENTRAL LANDFILL 60 AND 80 ACRE SITES - PERMIT NO. 21375-008-SO/01

Dear Mr. Morris:

Enclosed please find the quarterly Leachate Monitoring Results, together with the Operator's Reports for the months of April, May and June 2006:

- 1) Weekly effluent analytical results: There were no exceedances of permit limits for this time period for which the sampling was completed.
- 2) Quarterly Effluent results: Forwarded by Jones, Edmunds and Associates under separate cover letter.

Please note SAC Laboratory has experienced equipment failure for Nitrate analysis for the month of April. Analysis for this parameter was completed by Advance Environmental Laboratories.

Additionally, sampling was not completed from 5/24/06 through 6/28/06 due to plant shut down for installation of telemetry equipment.

Should further information or clarification be necessary, please do not hesitate to contact me.

Sincerely,

Susan J. Metcalfe Director, Division of

Solid Waste Management

rusan Motale

CC: Glenn W. McCracken, Director, Department of Public Works (w/xls sheet) Susan Pelz, Florida Department of Environmental Protection (w/xls sheet)

Protection

JUL 17 2006

SAC

| Laboratories | MAXIMUM           | CONTAMINANT        | LEVEL BY     | PERMIT    |       |           |      |
|--------------|-------------------|--------------------|--------------|-----------|-------|-----------|------|
| Results      | 20                | 10                 |              | 20 0      | 111th | west Dist | ٠    |
|              | CBOD              |                    | S            | USPENDED  | ~~~   | west Dia  |      |
| DATE         | < 5 day MG/L      | _ < NITRATE M      | IG/L <       | SOLIDS    | MG/L  | · D18[    | Tict |
|              |                   |                    |              |           |       |           | •    |
| 4/5/06       | 1.22              | 1.1                |              | 3.0       |       |           |      |
| 4/12/06      | 1.77              | 1.2                |              | 3.5       |       |           |      |
| 4/19/06      | 2.76              | 0.027              | <            | 1.0       | l     |           |      |
| 4/26/06      | 5.07              | 0.81               |              | 16.5      | 1     |           |      |
|              |                   |                    |              |           | l     |           |      |
| 5/3/06       | 2.5               | 0.68               |              | 7.0       |       |           |      |
| 5/10/06      | 2.16              | 0.1                | <            | 1.0       | J     |           |      |
| 5/17/06      | 2.69              | 1.4                |              | 8.0       | I     |           |      |
| 5/24/06      | 1.61              | 4.4                |              | 14.5      | 1     |           |      |
| 5/31/06      | Plant off line fo | or telemetry insta | allation - r | no sample |       |           |      |
| 2,5,00       |                   |                    |              |           |       |           |      |
| 6/7/06       |                   | or telemetry insta |              |           |       |           |      |
| 6/14/06      |                   | or telemetry insta |              | •         |       |           |      |
| 6/21/06      |                   | or telemetry insta |              |           |       |           |      |
| 6/28/06      | Plant off line fo | or telemetry insta | allation - r | no sample |       |           |      |
|              |                   |                    |              |           |       |           |      |
| 1            |                   |                    |              |           |       |           |      |
|              | •                 |                    |              |           |       |           |      |
|              |                   |                    |              |           |       |           |      |
|              |                   |                    | •            |           |       |           |      |
|              |                   |                    |              |           |       |           |      |
|              |                   |                    |              |           |       |           |      |
|              |                   |                    |              |           |       |           |      |
|              |                   |                    |              |           |       |           |      |

WEEKLY LEACHATE MONITORING

cjw

#### DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

WHEN COMPLETED MAIL THIS REPORT TO:

DEPARTMENT OF ENVIRONMENTAL PROTECTION SOUTHWEST DISTRICT

Solid Waste Section, 3805 Coconut Palm Drive Tampa, FL 33619-8218

PERMITTEE NAME: MAILING ADDRESS:

FACILITY:

LOCATION:

Citrus County Board Of County Commissioners

P.O. Box 340 Lecanto, FL 34460

TEST SITE ID NUMBER: WACS 175

MONITORING PERIOD:

WACS FACILTY ID NUMBER: SWD/09/039859

From: 4/1 CLASS SIZE: 1-C

PERMIT NUMBER: 21375-008-SO/01

To: 04/30/2006

230 W. Gulf to Lake Hwy

Central Landfill Leachate Plant

Lecanto, FL 34461

REPORT: Quarterly GROUP: Solid Waste

COUNTY: Citrus

Please read instructions before completing this form.

| Parameter                                   |                       | Q                  | uantity or Loadi                  | ng    |             | Quality or Cone              | centration |           | No.<br>Ex | Frequency<br>of<br>Analysis | Sample<br>Type |
|---|-----------------------|--------------------|-----------------------------------|-------|-------------|------------------------------|------------|-----------|-----------|-----------------------------|----------------|
|   |                       | Avg.               | Max.                              | Units | Min.        | Avg.                         | Max.       | Units     |           |                             |                |
| Flow, in conduit or thru<br>treatment plant | Sample<br>Measurement | 0.009              |                                   | MGD   |             |                              |            |           |           |                             |                |
| PARM Code 50053                             | Permit<br>Requirement | Report<br>Mon AVG. | .030 (3) Month<br>Rolling Average |       |             |                              |            |           |           | Daily                       | Metered        |
| C OD. 5 day 20 degree C                     | Sample<br>Measurement |                    |                                   |       |             | 2.7                          |            | mg/L      |           |                             |                |
| PARM Code 80082                             | Permit<br>Requirement |                    |                                   |       |             | 20<br>(Mo. Avg.)             |            | mg/L      |           | Weekly                      | Grab           |
| Total Suspended Solids                      | Sample<br>Measurement |                    |                                   |       |             | 6.0                          |            | mg/L      |           | :                           |                |
| PARM Code 900201                            | Permit<br>Requirement |                    |                                   |       |             | 2 <del>0</del><br>(Mo. Avg.) |            | mg/L<br>B |           | Weekly                      | Grab           |
| Nitrate (as N)                              | Sample<br>Measurement |                    |                                   |       |             |                              | 1.2        | mg/L      |           |                             |                |
| PARM Code 071850                            | Permit<br>Requirement |                    |                                   |       |             | 10 0<br>(Mo. Avg.)           |            | mg/L      |           | Weekly                      | Grab           |
| рН  | Sample<br>Measurement |                    |                                   |       | 7.8         |                              | 8.5        | S.U.      |           |                             |                |
| PARM Code 00500                             | Permit<br>Requirement |                    |                                   |       | 6.5<br>Min. |                              | 8.5<br>Max | S.U.      |           | Daily                       | Grab           |

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein; and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information the possibility of fine and imprisonment

| Name/Title of Pricinpa | Executive Officer or Authorized Age | Signature of Principal E | Executive Officer or Authorized Agent | Telephone No. (include area code) | Date (yy/mm/dd) |
|------------------------|-------------------------------------|--------------------------|---------------------------------------|-----------------------------------|-----------------|
| Gerald Nusbaum         | Utility Operator II                 | 0 11 /                   |                                       | (352)527-7670                     | 07/12/06        |
|                        | C/14117                             | Lessed 7/1               | slan                                  |                                   |                 |

COMMENT AND EXPLANATION OF ANY VIOLATONS (Reference all attatchments here):

<sup>\*</sup> Rolling Annual Average is the average of the current month's average and the preceding 11 monthly averages,

#### DAILY SAMPLE RESULTS - PART B

Facility: Central Landfill Leachate Plant

PERMIT NUMBER: 21375-008-SO/01

Three-month Average Daily Flow: Month/Year: 4/06 Daily Flow % of Permitted Capacity:

| Days of the Month   | 7 ,     | 1 2          | 1 1       | Ι.,          |                |             | 7     |           |           | 10    | 1     | 10   | 12    | ,,,      | 7.5         | 1.0   | 17    | 10       | 1.0      | 20    | 21    | 22    | - 22     | 24    | 25    | 20                | 27       | 20           | 20 1              | 20                 |
|---|---------|--------------|-----------|--------------|----------------|-------------|-------|-----------|-----------|-------|-------|--|-------|----------|-------------|-------|-------|----------|----------|-------|-------|-------|----------|-------|-------|-------------------|----------|--------------|-------------------|--------------------|
| Days of the Month   | 1       | 2            | 3         | 4            | 5              | 6           | 7     | 8         | 9         | 10    | 11    | 12   | 13    | 14       | 15          | 16    | 1/    | 18       | 19       | 20    | 21    | 22    | 23       | 24    | 25    | 26                | 27       | 28           | 29                | 30                 |
| Flow (MGD)<br>PARM Code 50053   | 0.011   | 0.006        | 0.011     | 0.014        | 0.010          | 0.010       | 0.010 | 0.010     | 0.006     | 0.012 | 0.015 | 0.011  | 0.000 | 0.022    | 0.000       | 0.010 | 0.009 | 0.009    | 0.008    | 0.000 | 0.000 | 0.000 | 0.015    | 0.008 | 0.009 | 0.009             | 0.009    | 0.009        | 0.009             | 0.009              |
| CBOD5 Effluent (mg/L as O2)   |         |              |           |              | 1.2            |             |       |           |           |       |       | 1.8  |       |          |             |       |       |          | 2.8      |       |       |       |          |       | ĺ     | 5.1               |          |              |                   |                    |
| PARM Code 80082<br>TSS Effluent (mg/L)                                | +       |              |           | <del> </del> | 3.0            |             | 1     |           | <b> </b>  |       | 1     | 3.5  |       |          |             |       |       |          | 1.0      |       |       |       |          | ·     | ļ.—   | 16.5              |          | <del> </del> |                   |                    |
| PARM Code 900201  |         | <u> </u>     | <u> </u>  |              |                |             |       |           |           |       |       |  |       |          |             |       |       |          |          |       |       |       |          |       |       |                   |          |              |                   |                    |
| Nitrate (as N) (mg/L)   |         |              |           |              | 1.1            |             |       |           |           |       |       | 1.2  | 1     |          |             |       |       |          | 0.0      |       |       |       |          |       |       | 0.8               |          |              |                   |                    |
| PARM Code 071850  | 7.9     |              | 7.8       | 7.8          |                | 8.1         | 7.9   | 8.0       | -         | -     |       |  |       | <u> </u> |             |       |       | 7.9      | 8.0      | 8.0   | 8.3   | 8.2   | 8.2      | 8.0   | 0.1   | 0.5               | 8.1      | 0.0          | 8.3               | 8.5                |
| pH Efflient (standard units)<br>PARM Code 00500                       | 1.9     | 8.1          | /.8       | 7.8          | 7.8            | 8.1         | 7.9   | 8.0       | 8.2       | 8.3   | 8.2   | 8.1  | 8.1   |          |             | 8.2   | 8.2   | 7.9      | 8.0      | 8.0   | 8.3   | 8.2   | 8.2      | 8.0   | 8.1   | 8.5               | 8.1      | 8.3          | 8.3               | 8.3                |
|   | T .     |              | <b>-</b>  | <del> </del> | <del>  -</del> |             |       | 1         | l         |       |       |  |       |          | -           |       |       |          | <b></b>  |       | -     | -     |          |       |       |                   |          |              |                   |                    |
|   | -       | ļ            |           |              | <u> </u>       |             |       |           |           |       |       |  |       | <u> </u> |             |       |       |          |          |       |       |       |          |       |       |                   |          |              |                   |                    |
|   |         |              |           |              |                |             |       |           |           |       |       |  |       |          |             |       |       |          |          |       |       |       |          |       |       |                   |          |              |                   |                    |
|   |         | <u> </u>     |           | <b> </b>     | <del> </del>   |             |       |           |           |       |       |  |       |          |             |       |       |          |          |       |       |       | <u> </u> |       |       |                   |          |              |                   |                    |
|   |         | 1.           | ļ         | ļ            | ļ              |             | ļ     |           |           |       |       |  |       |          |             |       |       |          |          |       |       |       |          |       |       |                   |          |              |                   |                    |
|   |         |              |           | 1            |                |             |       |           |           |       |       |  |       |          |             |       |       |          |          |       |       |       |          |       |       |                   |          |              |                   |                    |
|   |         |              |           |              | <del> </del> - | -           |       |           |           |       |       |  |       |          |             |       |       |          |          |       |       |       |          |       |       |                   |          | <u> </u>     | -                 |                    |
|   |         |              |           |              |                |             |       |           |           |       |       |  |       |          |             |       |       |          |          |       |       |       |          |       |       |                   |          |              |                   |                    |
|   |         |              |           |              |                |             |       |           |           |       |       |  |       |          |             |       |       |          |          |       |       |       |          |       |       |                   |          |              |                   |                    |
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|   |         |              |           |              |                |             |       |           |           |       |       |  |       |          |             |       |       |          |          |       |       |       |          |       |       |                   |          |              |                   |                    |
|   |         |              |           |              |                |             |       |           |           |       |       |  |       |          |             |       |       |          |          |       |       |       |          |       |       |                   |          |              |                   |                    |
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|   |         | ]            |           |              |                |             |       |           |           |       |       |  |       |          |             |       |       |          |          |       |       |       |          |       |       |                   |          |              |                   |                    |
|   |         |              |           |              |                |             |       |           |           |       |       |  |       | ľ        |             |       |       |          |          |       |       |       |          |       |       |                   |          |              | -                 |                    |
|   |         | <del> </del> |           |              |                |             |       | -         |           |       |       |  |       |          |             |       |       | <u> </u> |          |       |       |       |          |       |       |                   |          |              |                   |                    |
|   |         |              |           |              |                |             | 1     |           |           |       |       |  |       |          |             |       |       |          |          | }     |       |       |          |       |       |                   |          |              |                   |                    |
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| PLANT STAFFING:   | Day Shi | ifl Operate  |           |              | Class:         | C           |       | Certifica | to No.    |       | 13667 |  | Name: | Gerald N | Juchanes    |       |       |          |          |       |       |       |          |       |       | outhwest District | 5        |              |                   |                    |
| I Bi Li i Bi i i i i i i i i i i i i i i                              | -       | g Shift Ope  |           |              | Class:         |             |       | Certifica |           |       | 15007 |  | Name: | Gerain   | * tisballit |       |       |          |          |       |       |       |          |       |       |                   | <b>₫</b> |              |                   | ı                  |
|   |         | hift Opera   | tor       |              | Class:         |             |       | Certifica | te No.:   |       |       |  | Name; |          |             |       |       |          |          |       |       |       |          |       |       | - 5               | 4        |              |                   |                    |
|   | Lead Op | -            |           |              | Class:         |             |       | Certifica | te No.:   |       | 13057 |  | Name: | Gary Lo  | ggins       |       |       |          |          |       |       |       |          |       |       | Ŝ                 |          | خ            | =                 | )                  |
| Type of Effluent Disposal or Recla<br>Limited Wet Weather Discharge A |         | ter Reuse:   |           | No:          | Perc. Pe       | ond<br>Yes: |       | Not one   | licable:  |       |       |  |       |          |             |       |       |          |          |       |       |       |          |       |       | 6                 |          | F            | =                 |                    |
| * Attatch additional sheets if neces                                  |         | t all certif | ied opera |              |                | 165.        |       | NOT app   | ilicable. | ^     |       |  |       |          |             |       |       |          |          |       |       |       |          |       |       | S                 |          | <b>}</b> -   | )                 | $\frac{2}{1}$      |
|   | ,       |              | •         |              |                |             |       |           |           |       |       |  |       |          |             |       |       |          |          |       |       |       |          |       |       |                   |          | ~            | è                 | D S                |
|   |         |              |           |              |                |             |       |           |           |       |       |  |       |          |             |       |       |          |          |       |       |       |          |       |       |                   |          | N            | <u> </u>          | <u>)</u> [         |
|   |         |              |           |              |                |             |       |           |           |       |       |  |       |          |             |       |       |          |          |       |       |       |          |       |       | S.                |          | 000          |                   |                    |
|   |         |              |           |              |                |             |       |           |           |       |       |  |       |          |             |       |       |          |          |       |       |       |          |       |       |                   |          | 9            | المناب:<br>والتام |                    |
|   |         |              |           |              |                |             |       |           |           |       |       |  |       |          |             |       |       |          |          |       |       |       |          |       |       | ≓.                |          |              |                   |                    |
|   |         |              |           |              |                |             |       |           |           |       |       |  |       |          |             |       |       |          |          |       |       |       |          |       | (     | -                 |          |              |                   | Promise<br>Promise |
|   |         |              |           |              |                |             |       |           |           |       |       |  |       |          |             |       |       |          |          |       |       |       |          |       |       | •                 |          |              |                   |                    |

MOR 2006.xls APRIL

0.013

28.8%

Protection

JUL 17 2006

Client

CITRUS COUNTY UTILITIES.

Sample Number E060645

**Project** 

LEACHATE PLANT

Date/Time Sampled 4/5/06

0815 HRS

Sample Description

WWTP/EFF

Date/Time Received 4/5/06

1100 HRS

PO NO

55573

Invoice Number 8301

| Method   | Analytes | Units | Results | MDL mg/L | Analyst | Analysis<br>Date/Time |
|----------|----------|-------|---------|----------|---------|-----------------------|
| SM5210-B | CBOD     | mg/L  | 1.22    | 0.3 mg/L | АР      | 4/6/06<br>0700 HRS    |
| SM2540-D | TSS      | mg/L  | 3.0     | 1.0 mg/L | AP      | 4/6/06<br>0800 HRS    |

NITRATE SUB TO ADVANCED ENVIRONMENTAL LABORATORIES DHRS CERT IFICATION #E84589/E82574

> Sally Aus Camille Laboratory Manager

## Advanced Environmental Laboratories, Inc.

## Analytical Report

Client: Sac Environmental Lab

Report No.: T063685

Project Name: Citrus County Utilities

Date/Time Received: 4/5/06 13:35

Lab Code: T063685-01

Date/Time Sampled: 04/05/2006 08:15

Client Sample ID: Effluent

Shipping Method: AEL Pick-up

Site: Landfiil Leachate Plant

Matrix: Water

Sampled By: Sampling Method: G

Miscellaneous Analytes

| Analytes:      | Dilution | Adjusted<br>MDL | Adjusted PQL | Results | Units | Qualifier(s) | Method     | Parameter<br>Comment | Lab      |
|----------------|----------|-----------------|--------------|---------|-------|--------------|------------|----------------------|----------|
| Nitrate (as N) | 1        | 0.027           | 0.11         | 1.1     | mg/L  |              | SM4500NO3- |                      | <i>T</i> |

DOH certification #E84589 (AEL-Tampa) (FL NELAC Certification)

Client

CITRUS COUNTY UTILITIES

Sample Number E06

E060701

Project

LEACHATE LANDFILL

Date/Time Sampled 4/12/06

1050 HRS

Project No

55573

Date/Time Received 4/12/06

1300 HRS

Sample Description

WWTP/INF

Invoice Number 8301

| Method         | Analytes | Units   | Results | MDL mg/L              | Analyst | Analysis<br>Date/Time |
|----------------|----------|---------|---------|-----------------------|---------|-----------------------|
| SM5210-B       | CBOD     | mg/L    | 130.00  | 0.3 mg/L              | AP      | 4/13/06<br>0700 HRS   |
| SM2540-D       | TSS      | mg/L    | 104.0   | 1.0 mg/L              | AP      | 4/14/06<br>0800 HRS   |
|                |          |         |         | Date/Time Sampled     | 4/12/06 | 1100 HRS              |
| Sample Descrip | tion W\  | WTP/EFF |         | Date/Time Received    | 4/12/06 | 1300 HRS              |
| Method         | Analytes | Units   | Results | % Removal<br>MDL mg/L | Analyst | Analysis<br>Date/Time |
| SM5210-B       | CBOD     | mg/L    | 1.77    | 98.63%<br>0.3 mg/L    | AP      | 4/13/06<br>0700 HRS   |
| SM2540-D       | TSS      | mg/L    | 3.5     | 96.63%<br>1.0 mg/L    | AP      | 4/14/06<br>0800 HRS   |

AMMONIA AND NITRATE SUB TO ADVANCED ENVIRONMENTAL LABORATORIES DHRS CERT IFICATION #E84589/E82574

Sally Aus Carillo
Laboratory Manager

## Advanced Environmental Laboratories, Inc.

### Analytical Report

Client: Sac Environmental Lab

Report No.: T064069

Project Name: Leachate Landfill

Date/Time Received: 4/13/06 08:10

Lab Code: T064069-01

**Date/Time Sampled:** 04/12/2006 11:00

Client Sample ID: Effluent

Shipping Method: Client drop off

Site: WWTP

Sampled By: B.M.

Matrix: Water

Sampling Method: G

Miscellaneous Analytes

| Analytes:      | Dilution | Adjusted<br>MDL | Adjusted PQL | Results | Units | Qualifier(s) Method | Parameter<br>Comment | Lab |
|----------------|----------|-----------------|--------------|---------|-------|---------------------|----------------------|-----|
| Nitrate (as N) | 5        | 0.14            | 0.54         | 1.2     | mg/L  | SM4500NO3-F         |                      | T   |

DOH certification #E84589 (AEL-Tampa) (FL NELAC Certification)

Lab Code: T064069-02

Date/Time Sampled: 04/12/2006 10:50

Client Sample ID: Effluent

Shipping Method: Client drop off

Site: WWTP

Sampled By: B.M.

Matrix: Water

Sampling Method: G

Miscellaneous Analytes

| Analytes:      | Dilution | Adjusted<br>MDL | Adjusted PQL | Results | Units | Qualifier(s) | Method | Parameter<br>Comment | Lab |
|----------------|----------|-----------------|--------------|---------|-------|--------------|--------|----------------------|-----|
| Ammonia (as N) | 200      | 5.1             | 20           | 240     | mg/L  |              | E350.1 |                      | T   |

T DOH certification #E84589 (AEL-Tampa) (FL NELAC Certification)

Client

CITRUS COUNTY UTILITIES

Sample Number E060776

Project

LEACHATE PLANT

Date/Time Sampled 4/19/06

1020 HRS

Sample Description

WWTP/EFF

Date/Time Received 4/19/06

1400 HRS

PO NO

55573

Invoice Number 8301

| Method   | Analytes | Units | Results | MDL mg/L | Analyst | Analysis<br>Date/Time |
|----------|----------|-------|---------|----------|---------|-----------------------|
| SM5210-B | CBOD     | mg/L  | 2.76    | 0.3 mg/L | AP      | 4/20/06<br>0700 HRS   |
| SM2540-D | TSS      | mg/L  | <1      | 1.0 mg/L | AP      | 4/21/06<br>0730 HRS   |

NITRATE SUB TO ADVANCED ENVIRONMENTAL LABORATORIES DHRS CERT IFICATION #E84589/E82574

> Saily aun Carrilla Laboratory Manager

## Advanced Environmental Laboratories, Inc.

### Analytical Report

Client: Sac Environmental Lab

Report No.: T064371

Project Name: Citrus County Utilities

Date/Time Received: 4/20/06 11:00

Lab Code: T064371-01

**Date/Time Sampled:** 04/19/2006 10:20

Client Sample ID: Effluent

Shipping Method: Client drop off

Site: Leachate Plant

Sampled By: Ron Kultz Sampling Method: G

Matrix: Water

Miscellaneous Analytes

| Analytes:      | Dilution | Adjusted<br>MDL | Adjusted PQL | Results | Units | Qualifier(s) | Method      | Parameter<br>Comment | Lab |
|----------------|----------|-----------------|--------------|---------|-------|--------------|-------------|----------------------|-----|
| Nitrate (as N) | 1        | 0.027           | 0.11         | 0.027   | mg/L  | U            | SM4500NO3-F |                      | T   |

The compound was analyzed for but not detected.

DOH certification #E84589 (AEL-Tampa) (FL NELAC Certification)

Client

CITRUS COUNTY UTILITIES

Sample Number E060810

Project

LEACHATE PLANT

Date/Time Sampled 4/26/06

1100 HRS

Sample Description

WWTP/EFF

Date/Time Received 4/26/06

1145 HRS

PO NO

55573

Invoice Number 8301

| Method       | Analytes | Units | Results | MDL mg/L  | Analyst | Analysis<br>Date/Time |
|--------------|----------|-------|---------|-----------|---------|-----------------------|
| SM5210-B     | CBOD     | mg/L  | 5.07    | 0.3 mg/L  | AP      | 4/27/06<br>0700 HRS   |
| SM2540-D     | TSS      | mg/L  | 16.5    | 1.0 mg/L  | AP      | 4/28/06<br>0745 HRS   |
| SM4500-NO3-E | NITRATE  | mg/L  | 0.81    | 0.10 mg/L | СК      | 4/27/06<br>0930 HRS   |

Laboratory Manag

#### DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

WHEN COMPLETED MAIL THIS REPORT TO:

DEPARTMENT OF ENVIRONMENTAL PROTECTION SOUTHWEST DISTRICT

Solid Waste Section, 3805 Coconut Palm Drive Tampa, FL 33619-8218

PERMITTEE NAME: MAILING ADDRESS: Citrus County Board Of County Commissioners

P.O. Box 340

Lecanto, FL 34460

FACILITY: LOCATION:

Central Landfill Leachate Plant 230 W. Gulf to Lake Hwy

Lecanto, FL 34461

COUNTY:

Citrus

PERMIT NUMBER: 21375-008-SO/01

WACS FACILTY ID NUMBER: SWD/09/039859

TEST SITE ID NUMBER: WACS 175

MONITORING PERIOD:

From: 5/1 CLASS SIZE: 1-C

To: 05/31/2006

REPORT: Quarterly

GROUP: Solid Waste

Please read instructions before completing this form.

|   | <b>,</b>              |  |                                   |       |             |                    |             | ructions before |           |                             |                |
|---|-----------------------|--|-----------------------------------|-------|-------------|--------------------|-------------|-----------------|-----------|-----------------------------|----------------|
| Parameter                                   |                       | Quantity or Loading Quality or Concentration  Ave. Max. Units Min. Ave. Max. Units |                                   |       |             |                    |             |                 | No.<br>Ex | Frequency<br>of<br>Analysis | Sample<br>Type |
|   |                       | Avg.   | Max.                              | Units | Min.        | Avg.               | Max.        | Units           |           |                             |                |
| Flow, in conduit or thru<br>treatment plant | Sample<br>Measurement | 0.000  |                                   | MGD   |             |                    |             |                 |           |                             |                |
| PARM Code 50053                             | Permit<br>Requirement | Report<br>Man AVG  | .030 (3) Month<br>Rolling Average | MGD   |             |                    |             |                 |           | Daily                       | Metered        |
| C OD. 5 day 20 degree C                     | Sample<br>Measurement |  |                                   |       |             | 2.2                |             | mg/L            |           |                             |                |
| PARM Code 80082                             | Permit<br>Requirement |  |                                   |       |             | 20<br>(Ma. Avg.)   |             | mg/L            |           | Weekly                      | Geab           |
| Total Suspended Solids                      | Sample<br>Measurement |  |                                   |       |             | 7.6                |             | mg/L            |           |                             |                |
| PARM Code 900201                            | Permit<br>Requirement |  |                                   |       |             | 20<br>(Mo. Avg.)   |             | mg/L            |           | Weckly                      | Grab           |
| Nitrate (as N)                              | Sample<br>Measurement |  |                                   |       |             |                    | 4.4         | mg/L            |           |                             |                |
| PARM Code 071850                            | Permit<br>Requirement |  |                                   |       |             | 10.0<br>(Mo. Avg.) |             | mg/L            |           | Weekly                      | Grab           |
| pH  | Sample<br>Measurement |  |                                   |       | 7.9         | •                  | 8.5         | S.U.            |           |                             |                |
| PARM Code 00500                             | Permit<br>Requirement |  |                                   |       | 6.5<br>Min. |                    | 8.5<br>Max. | S.U.            |           | Daily                       | Grab           |

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein; and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information the possibility of fine and imprisonment

| Name/Title of Pricinpa | l Executive Officer or Authorized Age | Signature of Principal Executive Officer or Authorized Agent | Telephone No. (include area code) | Date (yy/mm/dd) |
|------------------------|---------------------------------------|--|-----------------------------------|-----------------|
| Gerald Nusbaum         | Utility Operator II                   | 0 1/0/1  | (352)527-7670                     | 07/12/06        |
|                        | C/14117                               | I really I ware  |                                   |                 |

COMMENT AND EXPLANATION OF ANY VIOLATONS (Reference all attatchments here):

<sup>\*</sup> Rolling Annual Average is the average of the current month's average and the preceding 11 monthly averages.

#### DAILY SAMPLE RESULTS - PART B

Facility: Central Landfill Leachate Plant

PERMIT NUMBER: 21375-008-SO/01 Three-month Average Daily Flow: 0.007 Daily Flow % of Permitted Capacity: 0.0% Month/Year: 5/06

| Month 1 ear.                                |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |          |       |       |       |       | · -   |       |          |       |        |             |             |          | $\overline{}$ |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|-------|-------|----------|-------|-------|-------|-------|-------|-------|----------|-------|--------|-------------|-------------|----------|---------------|
| Days of the Month                           | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    | 13    | 14       | 15    | 16    | 17    | 18       | 19    | 20    | 21    | 22    | 23    | 24    | 25       | 26    | 27     | 28          | 29          | 30       | 31            |
| Flow (MGD)                                  | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.009 | 0.008 | 0.009 | 0.009 | 0.009 | 0.008    | 0.008 | 0.009 | 0.008 | 0.013    | 0.015 | 0.013 | 0.015 | 0.001 | 0.000 | 0.000 | 0.000    | 0.000 | 0.000  | 0.000       | 0.000       | 0.000    | 0.000         |
| PARM Code 50053                             | •     |       |       |       |       |       | 1     |       |       |       |       |       |       | 1        |       |       |       |          |       |       |       |       |       |       | İ        |       |        |             |             |          | <u> </u>      |
| CBOD5 Effluent (mg/L as O2)                 |       |       | 2.5   |       |       |       |       |       |       | 2.2   |       |       |       |          |       |       | 2.7   |          |       |       |       |       |       | 1.6   |          | 1     |        |             |             |          | 1             |
| PARM Code 80082                             | l     |       |       |       |       |       |       |       |       |       |       |       |       | <u> </u> |       |       |       |          |       |       |       |       |       |       | <u> </u> |       |        |             |             |          |               |
| TSS Effluent (mg/L)                         |       |       | 7.0   |       |       |       |       | į.    |       | 1.0   |       |       |       | l        |       |       | 8.0   |          |       |       |       |       |       | 14.5  |          | *Plan |        |             | etry instal | ilation  | 1             |
| PARM Code 900201                            |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |          |       |       |       |       | ļ     |       |          |       | No sam | pling for : | 5/31/06     |          | ــــــ        |
| Nitrate (as N) (mg/L)                       | 1     |       | 0.7   |       | 1     |       |       |       |       | 0.1   |       |       |       |          | l     |       | 1.4   |          |       |       |       |       | 1     | 4.4   |          |       | - 1    |             | . !         | , 1      | 1             |
| PARM Code 071850                            |       |       |       | l     |       |       |       |       |       |       |       |       |       |          |       |       |       | <u> </u> |       |       |       |       |       | 1     |          |       |        |             |             | igsquare | <u> </u>      |
| pH Effuent (standard units) PARM Code 00500 | 8.1   | 8.1   | 8.4   | 8.3   | 8.1   | 8.2   | 8.3   | 8.1   | 8.2   | 8.4   | 8.3   | 8.3   | 8.4   | 8.5      | 8.2   | 8.4   | 8.2   | 8.2      | 8.0   | 8.1   | 7.9   | 7.9   | 8.1   | 7.9   |          |       |        |             |             |          |               |
|   |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |          |       |       |       |       |       |       |          |       |        |             |             |          |               |
|   |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |          |       |       |       |       |       |       |          |       |        |             |             |          |               |
|   |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |          |       |       |       |       |       |       |          |       |        |             |             |          | <u> </u>      |
|   |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |          |       |       |       |       |       |       |          |       |        |             |             |          | <u> </u>      |
|   |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |          |       |       |       |       |       |       |          |       |        |             |             |          | <u> </u>      |
|   |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |          |       |       |       |       |       |       |          |       |        |             |             |          |               |
|   |       |       |       | _     |       |       |       |       |       |       |       |       |       |          |       |       |       |          |       |       |       |       |       |       |          |       |        |             |             |          |               |
|   |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |          |       |       |       |       |       |       |          |       |        |             |             |          |               |
|   |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |          |       |       |       |       |       |       |          |       |        |             |             |          |               |
|   |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |          |       |       |       |       |       |       |          |       |        |             |             |          |               |

PLANT STAFFING:

Day Shift Operator

Class: C Class:

Certificate No.:

13667

Name: Gerald Nusbaum

**Evening Shift Operator** Night Shift Operator

Class:

Certificate No.: Certificate No.:

Name: Name:

Lead Operator

Class: C

Certificate No.:

13057

Name: Gary Loggins

Type of Effluent Disposal or Reclaimed Water Reuse:

Limited Wet Weather Discharge Activated:

Perc. Pond

Not applicable: X

\* Attach additional sheets if necessary to list all certified operators.

Client

CITRUS COUNTY UTILITIES

Sample Number E060840

Project

LEACHATE PLANT

Date/Time Sampled 5/3/06

0845 HRS

Sample Description

WWTP/EFF

Date/Time Received 5/3/06

1100 HRS

PO NO

55573

Invoice Number 8383

| Method       | Analytes | Units | Results | MDL mg/L  | Analyst | Analysis<br>Date/Time |
|--------------|----------|-------|---------|-----------|---------|-----------------------|
| SM5210-B     | CBOD     | mg/L  | 2.50    | 0.3 mg/L  | AP      | 5/4/06<br>0700 HRS    |
| SM2540-D     | TSS      | mg/L  | 7.0     | 1.0 mg/L  | АР      | 5/5/06<br>1000 HRS    |
| SM4500-NO3-E | NITRATE  | mg/L  | 0.68    | 0.10 mg/L | СК      | 5/4/06<br>0945 HRS    |

Soldy (lynn (annull).

Laboratory Manager

Client

CITRUS COUNTY UTILITIES

Sample Number E060907

Project

LEACHATE PLANT

Date/Time Sampled 5/10/06

0830 HRS

Sample Description

WWTP/EFF

Date/Time Received 5/10/06

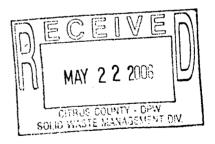
1025 HRS

PO NO

55573

Invoice Number 8383

| Method       | Analytes  | Units | Results | MDL mg/L  | Analyst | Analysis<br>Date/Time |
|--------------|-----------|-------|---------|-----------|---------|-----------------------|
| SM5210-B     | CBOD      | mg/L  | 2.16    | 0.3 mg/L  | AP      | 5/11/06<br>0800 HRS   |
| SM2540-D     | TSS       | mg/L  | <1      | 1.0 mg/L  | AP      | 5/12/06<br>0700 HRS   |
| SM4500-NO3-E | NITRATE _ | mg/L  | 0.10    | 0.10 mg/L | СК      | 5/10/06<br>1030 HRS   |



Laboratory Manager

Client

CITRUS COUNTY UTILITIES

Sample Number E060961

Project

LEACHATE LANDFILL

Date/Time Sampled 5/17/06

1050 HRS

Project No

55573

Date/Time Received 5/17/06

1246 HRS

Sample Description

WWTP/INF

Invoice Number 8383

| Method           | Analytes | Units   | Results | MDL mg/L              | Analyst | Analysis<br>Date/Time |
|------------------|----------|---------|---------|-----------------------|---------|-----------------------|
| SM5210-B         | CBOD     | mg/L    | 152.50  | 0.3 mg/L              | AP      | 5/18/06<br>0900 HRS   |
| SM2540-D         | TSS      | mg/L    | 30.0    | 1.0 mg/L              | AP      | 5/19/06<br>1130 HRS   |
|                  |          | -       |         | Date/Time Sampled     | 5/17/06 | 1050 HRS              |
| Sample Descripti | on W\    | NTP/EFF |         | Date/Time Received    | 5/17/06 | 1246 HRS              |
| Method           | Analytes | Units   | Results | % Removal<br>MDL mg/L | Analyst | Analysis<br>Date/Time |
| SM5210-B         | CBOD     | mg/L    | 2.69    | 98.23%<br>0.3 mg/L    | AP      | 5/18/06<br>0900 HRS   |
| SM2540-D         | TSS      | mg/L    | 8.0     | 73.3%<br>1.0 mg/L     | AP      | 5/19/06<br>1130 HRS   |
| SM4500-NO3-E     | NITRATE  | mg/L    | 1.4     | 0.10 mg/L             | СК      | 5/18/05<br>0935 HRS   |

AMMONIA SUB TO ADVANCED ENVIRONMENTAL LABORATORIES DHRS CERT IFICATION #E84589/E82574

Sally Chur Courillo

Laboratory Manager

Client

CITRUS COUNTY UTILITIES

Sample Number E061008

Project

LEACHATE PLANT

Date/Time Sampled 5/24/06

0915 HRS

Sample Description

WWTP/EFF

Date/Time Received 5/24/06

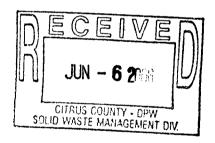
1111 HRS

PO NO

55573

Invoice Number 8383

| Method       | Analytes | Units | Results | MDL mg/L  | Analyst | Analysis<br>Date/Time |
|--------------|----------|-------|---------|-----------|---------|-----------------------|
| SM5210-B     | CBOD     | mg/L  | 1.61    | 0.3 mg/L  | АР      | 5/25/06<br>1700 HRS   |
| SM2540-D     | TSS      | mg/L  | 14.5    | 1.0 mg/L  | RAC     | 5/26/06<br>0900 HRS   |
| SM4500-NO3-E | NITRATE  | mg/L  | 4.4     | 0.10 mg/L | СК      | 5/26/06<br>0830 HRS   |





#### DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

WHEN COMPLETED MAIL THIS REPORT TO:

#### DEPARTMENT OF ENVIRONMENTAL PROTECTION SOUTHWEST DISTRICT

Solid Waste Section, 3805 Coconut Palm Drive Tampa, FL 33619-8218

PERMITTEE NAME: MAILING ADDRESS: Citrus County Board Of County Commissioners

P.O. Box 340 Lecanto, FL 34460

PERMIT NUMBER: 21375-008-SO/01 WACS FACILTY ID NUMBER: SWD/09/039859

TEST SITE ID NUMBER: WACS 175

MONITORING PERIOD:

To: 06/30/2006

FACILITY: LOCATION: Central Landfill Leachate Plant

230 W. Gulf to Lake Hwy

Lecanto, FL 34461

REPORT: Quarterly GROUP: Solid Waste

From: 6/1

COUNTY:

Citrus

Please read instructions before completing this form.

CLASS SIZE: 1-C

| Parameter                                |                       | Ç                 | uantity or Loadir                 | ng    |             | Quality or Cone    |             |       | No.<br>Ex | Frequency<br>of<br>Analysis | Sample<br>Type |
|--|-----------------------|-------------------|-----------------------------------|-------|-------------|--------------------|-------------|-------|-----------|-----------------------------|----------------|
|  |                       | Avg.              | Max.                              | Units | Min.        | Avg.               | Max.        | Units |           |                             |                |
| Flow, in conduit or thru treatment plant | Sample<br>Measurement | 0.000             |                                   | MGD   |             |                    |             |       |           |                             |                |
| PARM Code 50053                          | Permit<br>Requirement | Report<br>Mon AVG | .030 (3) Month<br>Rolling Average | MGD   |             |                    |             |       |           | Daily                       | Metered        |
| C OD. 5 day 20 degree C                  | Sample<br>Measurement |                   |                                   |       |             | 0.0                |             | mg/L  |           |                             |                |
| PARM Code 80082                          | Permit<br>Requirement |                   |                                   |       |             | 20<br>(Ma. Avg.)   |             | mg/L  |           | Weekly                      | Grab           |
| Total Suspended Solids                   | Sample<br>Measurement |                   |                                   |       |             | 0.0                |             | mg/L  |           |                             |                |
| PARM Code 900201                         | Permit<br>Requirement |                   |                                   |       |             | 20<br>(Mo. Avg.)   |             | mg/L  |           | Weekly                      | Grab           |
| Nitrate (as N)                           | Sample<br>Measurement |                   |                                   |       |             |                    | 0.0         | mg/L  |           |                             |                |
| PARM Code 071850                         | Permit<br>Requirement |                   |                                   |       |             | 10.0<br>(Mo. Avg.) |             | mg/L  |           | Weekly                      | Grab           |
| рН                                       | Sample<br>Measurement |                   |                                   |       | 0.0         |                    | 0.0         | S.U.  |           |                             |                |
| PARM Code 00500                          | Permit<br>Requirement |                   |                                   |       | 6.5<br>Min. |                    | 8.5<br>Max. | 8.U.  |           | Daily                       | Grab           |

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein; and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information the possibility of fine and imprisonment

| Name/Title of Pricinpal | Executive Officer or Authorized | Age Signature of Principal Executive Officer or Authorized Agent | Telephone No. (include area code) | Date (yy/mm/dd) |
|-------------------------|---------------------------------|--|-----------------------------------|-----------------|
| Gerald Nusbaum          | Utility Operator II             |  | (352)527-7670                     | 07/12/06        |
|                         | C/14117                         | Need Inla  |                                   |                 |

COMMENT AND EXPLANATION OF ANY VIOLATONS (Reference all attatchments here);

A-1

<sup>\*</sup> Rolling Annual Average is the average of the current month's average and the preceding 11 monthly averages.

#### DAILY SAMPLE RESULTS - PART B

Facility: Central Landfill Leachate Plant

PERMIT NUMBER: 21375-008-SO/01 Three-month Average Daily Flow: 0.003 Daily Flow % of Permitted Capacity: 0.0% Month/Year: 6/06

| Days of the Month                              | 1          | 2           | 3          | 4          | 5         | 6        | 7        | 8     | 9     | 10    | 11    | 12    | 13    | 14    | 15    | 16    | 17    | 18    | 19    | 20          | 21    | 22    | 23    | 24    | 25    | 26       | 27    | 28    | 29       | 30    |
|--|------------|-------------|------------|------------|-----------|----------|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------------|-------|-------|-------|-------|-------|----------|-------|-------|----------|-------|
| Flow (MGD)<br>PARM Code 50053                  | 0.000      | 0.000       | 0.000      | 0.000      | 0.000     | 0.000    | 0.000    | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000       | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000    | 0.000 | 0.000 | 0.000    | 0.000 |
| CBOD5 Effluent (mg/L as O2) PARM Code 80082    | Plant      | off line fo | r telemetr | y installa | tion. No: | sampling | for June |       |       |       |       |       |       |       |       |       |       |       |       |             |       |       |       |       |       | <u> </u> |       |       |          |       |
| TSS Effluent (mg/L)<br>PARM Code 900201        |            |             |            |            |           |          |          |       |       |       |       |       |       |       |       |       |       |       |       |             |       |       |       | :     |       |          |       |       |          |       |
| Nitrate (as N) (mg/L)<br>PARM Code 071850      |            |             |            |            |           |          |          |       |       |       |       |       |       |       |       | -     |       |       |       |             |       |       |       |       |       |          |       |       |          |       |
| pH Effuent (standard units)<br>PARM Code 00500 |            |             |            |            |           |          |          |       |       |       |       |       |       |       |       |       |       |       |       |             |       |       |       |       |       |          |       |       |          |       |
|  | ļ <u>.</u> |             |            |            |           |          |          |       |       |       |       |       |       |       |       |       |       |       |       |             |       |       |       |       |       |          |       |       |          |       |
|  |            |             | ļ          |            |           |          |          |       |       |       |       |       |       |       |       |       |       |       |       |             |       |       |       |       |       |          |       |       |          |       |
|  |            |             |            |            |           |          |          |       |       |       |       |       |       |       |       |       |       |       |       |             |       |       |       |       |       |          |       |       |          |       |
|  |            |             |            |            |           |          |          |       |       |       |       |       |       |       |       |       |       |       |       |             |       |       |       |       |       |          |       |       |          |       |
|  | ļ <u>-</u> |             |            |            |           |          |          |       |       |       |       |       |       |       |       |       |       |       |       |             |       |       |       |       |       |          |       |       |          |       |
|  |            |             |            |            |           |          |          |       |       |       |       |       |       |       |       |       |       |       |       |             |       |       |       |       |       |          |       |       |          |       |
|  |            |             |            |            |           |          |          |       |       |       |       |       |       |       |       |       |       |       |       |             |       |       |       |       |       |          |       |       |          |       |
|  | ļ          | ļ           | ļ          |            |           |          |          |       |       |       |       |       |       |       |       |       |       | ļ     |       |             |       |       |       |       |       |          |       |       |          |       |
|  |            |             |            |            |           |          |          |       |       |       |       |       |       |       |       |       |       |       |       |             |       |       |       |       | ļ     |          |       |       | <u> </u> |       |
|  |            |             |            |            |           |          |          |       |       |       |       |       |       |       |       |       |       |       |       |             |       |       |       |       |       |          |       |       |          |       |
|  | ļ          |             |            |            |           |          |          |       |       |       |       |       |       |       |       |       |       |       |       | <del></del> |       |       |       |       |       |          |       |       | <b> </b> |       |
|  |            |             |            |            |           |          |          |       |       |       |       |       |       |       |       |       |       | -     |       |             |       |       |       |       |       |          |       |       |          |       |
|  |            |             |            |            |           |          |          |       |       |       |       |       |       | 1     |       |       |       |       |       |             |       |       |       |       |       |          |       |       |          | ĺ     |

PLANT STAFFING:

Day Shift Operator

Class: C

Certificate No.:

Name: Gerald Nusbaum

Evening Shift Operator Night Shift Operator

Class: Class: Certificate No.: Certificate No.: Name:

Lead Operator

Class: C

Certificate No.:

Name: Name: Gary Loggins

Type of Effluent Disposal or Reclaimed Water Reuse:

Perc. Pond

13057

Limited Wet Weather Discharge Activated:

No:

Yes:

Not applicable: X

\* Attatch additional sheets if necessary to list all certified operators.