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Public Works

July 15, 2015

Mr. Steve Morgan
Solid Waste Section
Florida Department of Environmental Protection, Southwest District 13051 N. Telecom Pkwy
Temple Terrace, Florida 33637

RE: Southeast County Landfill - Leachate Data Quarterly Report
Dear Mr. Morgan:

In accordance with Specific Condition No. C.12.d of Permit No. 35435-022-SO/01, the Solid Waste Management Division (SWMD) is submitting the Quarterly Leachate Water Balance summary for the Southeast County Landfill for the quarter ending June 30, 2015.

The data is being submitted as separate monthly reports for April, May, and June 2015. The attached reports include the leachate level in Pump Station B (PS-B). This quarter PS-B was above the normal operation level of 24 -inches for most of the quarter due to excessive rain and the planned shutdown of the Leachate Treatment Facility for the permit required tank inspections.

Please advise should you have any questions concerning the attached submittal.

Sincerely,


Larry E. Ruiz, SC
Manager Landfill Operations
Solid Waste Management Division

## LER/cp

Attachment
$x c$ : Rich Siemering, HDR
Ron Cope, EPC
Terry Payton, EPC


## TABLE 1

## Day (Column I)

Column I presents the calendar days for the month.

## Rainfall (Column II)

Column II presents the average rainfall, in inches, as measured in the field from rainfall stations at the site. This month there was 2.69 inches of rainfall at the Southeast County Landfill (SCLF).

## Depth in Pond A (Column III)

Column III presents the daily depth, in feet, of effluent stored in effluent pond (Pond A). The daily depth in Pond A varies as a function of the spray irrigation frequency/duration and effluent hauled from the pond. This month effluent was not stored in Pond A.

## Depth in Pond B (Column IV)

Column IV presents the daily depth, in feet, of effluent or leachate that is stored in the effluent/leachate storage pond (Pond B). The depth in Pond B varies as a function of the evaporation frequency/duration and effluent or leachate hauled from the pond. This month effluent was not stored in Pond B.

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## Estimated Depth at Pump Station B Sump (PS-B) (Column V)

Column V presents the depth of leachate, in inches, in the PS-B sump. Leachate from Phases I-VI flows to the PS-B sump for removal from the landfill. PS-B then pumps the leachate to Pump Station A (PS-A). Daily depth readings from the PS-B sump are included in this column. This month PS-B was above the normal operation level of 24 inches due to less storage availability while the leachate treatment plant is offline. The average recorded depth of leachate in the PS-B sump was 24.1 inches.

## Leachate Pumped to PS-B from TPS-6 (Column VI)

Column VI has been removed.

The SWMD took TPS-6 off line on September 24th (details were included in the September 2014 Leachate Balance Report).

## Leachate Pumped to MLPS from Phases I-VI (Column VII)

Column VII presents the daily amount of leachate, in gallons, collected from PS-A and pumped through the MLPS to the 575,000-gallon storage tank at the Leachate Treatment and Reclamation Facility (LTRF) for treatment or disposal. The average daily amount of leachate pumped from PS-A was 63,323 gallons. A total of 1,899,702 gallons of leachate was pumped this month.

## Leachate Pumped from Sections 7-8 LDS (Column VIII)

Column VIII presents the quantity of leachate removed from the leak detection system (LDS) of Sections 7-8. The quantity is measured by a flow meter before being pumped for removal with Sections 7-8 leachate. The removal rate did not exceed 1,930 gallons per day. This month a total of 974 gallons of leachate was removed from the leak detection system of Sections 7-8.

## Leachate Pumped to MLPS from Sections 7-8 (Column IX)

Column IX presents the quantity of leachate collected at Sections $7-8$ and pumped to the MLPS. The quantity is measured by a flow meter and includes any leachate removed from the leak detection system of Sections 7-8 (Column VIII). This month a total of 81,686 gallons of leachate was pumped from Sections 7-8.

## Leachate Pumped to LTRF from the MLPS (Column X)

Column X presents the total quantity of leachate pumped to the LTRF from Phases I-VI and Sections 7-8. This month a total of $1,981,388$ gallons of leachate were pumped to the LTRF.

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## Leachate Pumped to LTRF from Section 9 (Column XI)

Column XI presents the daily amount of leachate, in gallons, collected from Section 9 and pumped to the 575,000gallon storage tank at the Leachate Treatment and Reclamation Facility (LTRF) for treatment or disposal. A total of 48,885 gallons of leachate was pumped this month.

## Leachate Pumped from Section 9 LDS (Column XII)

Column XII presents the daily amount of leachate, in gallons, collected from the LDS of Section 9 and pumped to the 575,000-gallon storage tank at the LTRF for treatment or disposal. The removal rate did not exceed 4,651 gallons per day. This month a total of 22 gallons of leachate were removed from the leak detection system.

## Leachate in 575,000-Gallon Tank (Column XIII)

Column XIII presents the daily amount of leachate, in gallons, stored in the 575,000-gallon leachate holding tank at the LTRF. The amount of leachate stored in the tank is calculated based on the circumference of the tank and the daily level reading. This month the leachate tank was empty for permit required tank inspection.

## Effluent in 575,000-Gallon Tank (Column XIV)

Column XIV presents the daily amount of effluent, in gallons, stored in the 575,000-gallon effluent holding tank at the LTRF. The amount of effluent stored in the tank is calculated based on the circumference of the tank and the daily level reading. The treatment plant is down due to the permit required tank inspection. As such, on October 16, 2014, the SWMD began storing leachate in the effluent tank until the inspection of the leachate tank is completed. This month an average of 438,900 gallons of leachate was stored in the tank.

## Leachate Treated at LTRF (Column XV)

Column XV presents the daily amount of leachate, in gallons, treated at the LTRF. This month leachate was not treated at the plant. The plant was taken off line on October 16, 2014, for the permit required tank inspection.

## Total Leachate Hauled (Column XVI)

Column XVI presents the daily amount of leachate, in gallons, hauled off site. This month a total of 1,851,028 gallons of leachate was hauled off site.

## Leachate Dust Control Sprayed (Column XVII)

Column XVII presents the daily amount of leachate, in gallons, measured from the flow meter at the bypass-loading arm at the leachate storage tank. The leachate is used for dust control in the active area of the landfill. This month leachate was not used for dust control.

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## Pond A Storage (Column XVIII)

Column XVIII presents the daily amount of effluent, in gallons, stored in Pond A. The daily amount stored in the pond is calculated by using the daily depth of effluent in the Pond A (Column IV). Under normal operating conditions, the daily amount of effluent stored in the pond varies depending upon the daily amount of leachate treated at the LTRF, the daily rainfall, daily effluent hauling operations, daily spray irrigation operations, and the daily amount of effluent used for dust control/evaporation. This month effluent was not stored in Pond A.

## Pond B Storage (Column XIX)

Column XIX presents the daily amount of effluent, in gallons, stored in Pond B. The daily amount stored in the pond is calculated by using the daily depth of effluent in Pond $B$ (Column IV). Under normal operating conditions, the amount stored in the pond will vary depending upon the daily amount of effluent removed from the pond by the evaporation system, hauled from the pond, used for dust control or evaporated. This month effluent was not stored in Pond B.

## Effluent Sprayed at Pond B (Column XX)

Column XX presents the daily amount of effluent, in gallons, sprayed for evaporation at Pond B. The amount evaporated is calculated by using 5 percent of the daily flow meter quantity sprayed at Pond $B$ and it is included in Column XXIV. This month effluent was not sprayed in Pond B.

## Effluent Irrigation (Column XXI)

Column XXI presents the daily amount of effluent, in gallons, used for spray irrigation on top of Phases I-VI. The daily amount of effluent irrigation on Phases I-VI is measured from the flow meter at the irrigation pump station. This month effluent was not used for spray irrigation.

## Effluent Dust Control Sprayed (Column XXII)

Column XXII presents the daily amount of effluent, in gallons, sprayed for dust control in the active areas of the SCLF. The daily amount of effluent used for dust control, is measured from the flow meter at the bypass-loading arm. This month effluent was not sprayed as dust control.

## Total Effluent Hauled (Column XXIII)

Column XXIII presents the daily amount of effluent, in gallons, hauled off site, as measured from the flow meter at the bypass-loading arm. This month effluent was not hauled off site.

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## Total Evaporation (Column XXIV)

Column XXIV presents the daily amount of leachate and effluent, in gallons, that evaporates and therefore will not be returned to the SCLF and/or requires treatment. Evaporation rates of 80 percent and 5 percent evaporation rate for spray in Pond $B$ are assumed. There was no evaporation rate estimated for this month.

## TABLE 2

Table 2 presents data assembled from daily logs compiled by the SWMD staff.

## TABLE 3

## Leachate Balance Summary

The Leachate Balance Summary (see Table 3) presents a review of inflow and outflow quantities for the LTRF, as well as rainfall and effluent disposal quantities at the landfill. Total inflow quantity to the LTRF was 2,036,633 gallons. Total outflow quantity from the LTRF was $1,851,028$ gallons. The change in storage for the month increased by 185,605 gallons.

Please advise should you have any questions concerning the information provided.

TABLE 1. LEACHATE WATER BALANCE REPORT FORM
SOUTHEAST COUNTY LANDFILI, HILLSBOROUGH COUNTY, FLORIDA

| 1 | II | III | IV | v | VII | VIII | IX | x | XI | XII | XIII | xiv | XV | xvi | XVII | xviII | xIX | xx | xxi | XXII | xxili | xxiv |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Day | $\begin{gathered} \text { Rainfall } \\ \text { (in.) } \end{gathered}$ | $\begin{array}{\|c} \hline \hline \text { Depth } \\ \text { in } \\ \text { Pond } \\ \text { A } \\ \text { (f.) } \\ \hline \end{array}$ | $\begin{gathered} \hline \hline \text { Depth } \\ \text { in } \\ \text { Pond } \\ \text { B } \\ \text { (f.). } \\ \hline \hline \end{gathered}$ | Estimated <br> Depth <br> at <br> PS-B <br> (in.) | Leachate <br> Pumped <br> to MLPS <br> from Phases IVI <br> (gal.) | Leachate <br> Pumped from <br> Sections 7-8 <br> LDS <br> (gal.) | Leachate <br> Pumped <br> to MLPs from <br> Sections $7-8$ <br> (gal.) | Leachate <br> Pumped <br> to LTRF from <br> MPLS <br> (gal.) | Leachate Pumped to LTRF from Section 9 (gal.) | Leachate <br> Pumped from <br> Section 9 <br> LDS <br> (gal.) | Leachate <br> in <br> 575 K <br> Tank <br> (gal.) | $\begin{gathered} \hline \hline \text { Effluent } \\ \text { in } \\ 575 \mathrm{~K} \\ \text { Tank } \\ \text { (gal.) } \\ \hline \hline \end{gathered}$ | $\begin{gathered} \hline \hline \text { Leachate } \\ \text { Treated } \\ \text { at } \\ \text { LTRF } \\ \text { (gal.) } \\ \hline \hline \end{gathered}$ | Leachate Hauled (gal.) | $\begin{gathered} \text { Leachate } \\ \text { Dust Control } \\ \text { (Sprayed) } \\ \text { (gal.) } \\ \hline \hline \end{gathered}$ | $\begin{gathered} \text { Pond } \\ \text { A } \\ \text { Storage } \\ \text { (gal.) } \\ \hline \end{gathered}$ | $\begin{gathered} \text { Pond } \\ \text { B } \\ \text { Storage } \\ \text { (gal) } \\ \hline \hline \end{gathered}$ | Effluent <br> Sprayed <br> Pond <br> B <br> (gal) | $\begin{gathered} \begin{array}{c} \text { Effluent } \\ \text { Irrigation } \\ \text { (gal.) } \\ \hline \hline \end{array} \\ \hline \hline \end{gathered}$ | $\begin{gathered} \text { Effluent } \\ \text { Dust Control } \\ \text { (Sprayed) } \\ \text { (gal.) } \\ \hline \hline \end{gathered}$ | Total Effluent Hauled (gal.) | Total Evaporation (gal) (gal.) |
| 1 | 0.00 | 0.0 | 0.0 | 22.6 | 89,604 | 47 | 3,976 | 93,580 | 2,086 | 4 | 0 | 439,000 | 0 | 113,330 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 2 | 0.00 | 0.0 | 0.0 | 22.0 | 76,984 | 2 | 4,176 | 81,160 | 473 | 0 | 0 | 408,000 | 0 | 78,177 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 0.00 | 0.0 | 0.0 | 22.5 | 68,015 | 49 | 5,328 | 73,343 | 6 | 0 | 0 | 394,000 | 0 | 79,216 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | 0.00 | 0.0 | 0.0 | 22.1 | 71,952 | 3 | 4,698 | 76,650 | 15 | 0 | 0 | 389,000 | 0 | 35,747 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5 | 0.00 | 0.0 | 0.0 | 27.0 | 66,793 | 47 | 2,474 | 69,267 | 7 | 0 | 0 | 435,000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 | 0.07 | 0.0 | 0.0 | 31.8 | 66,73 | 47 | 2,474 | 69,267 | 7 | 0 | 0 | 482,000 | 0 | 109,835 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 | 0.05 | 0.0 | 0.0 | 33.7 | 0 | 0 | 7,158 | 7,158 | 12 | 0 | 0 | 379,000 | 0 | 109,855 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 8 | 0.00 | 0.0 | 0.0 | 22.1 | 99,802 | 48 | 2,936 | 102,738 | 24,261 | , | 0 | 377,000 | 0 | 117,869 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 9 | 0.00 | 0.0 | 0.0 | 22.0 | 73,161 | 7 | 758 | 73,919 | 81 | 0 | 0 | 333,000 | 0 | 65,042 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 10 | 0.00 | 0.0 | 0.0 | 21.5 | 68,130 | 42 | 514 | 68,644 | 1,606 | 3 | 0 | 329,000 | 0 | 57,506 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 11 | 0.00 | 0.0 | 0.0 | 23.2 | 63,420 | 46 | 496 | 63,916 | 5 | 0 | 0 | 350,000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 | 0.00 | 0.0 | 0.0 | 22.5 | 63,975 | 5 | 219 | 64,194 | 4 | 0 | 0 | 409,000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 | 0.12 | 0.0 | 0.0 | 21.8 | 63,975 | 5 | 219 | 64,194 | 4 | 0 | 0 | 468,000 | 0 | 42,881 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 | 0.00 | 0.0 | 0.0 | 22.4 | 60,628 | 60 | 12 | 60,640 | 581 | 1 | 0 | 475,000 | 0 | 96,014 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15 | 0.00 | 0.0 | 0.0 | 21.2 | 63,072 | 0 | 0 | 63,072 | 763 | 1 | 0 | 444,000 | 0 | 60,625 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16 | 0.60 | 0.0 | 0.0 | 23.4 | 61,678 | 48 | 1,438 | 63,116 | 1,110 | 0 | 0 | 444,000 | 0 | 58,624 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 17 | 0.00 | 0.0 | 0.0 | 21.2 | 61,002 | 0 | 4,074 | 65,076 | 1,048 | 1 | 0 | 437,000 | 0 | 73,932 | 0 | 0 | 0 | 0 | 0 | 0 | , | 0 |
| 18 | 0.00 | 0.0 | 0.0 | 23.2 | 61,435 | 49 | 1,968 | 63,403 | 1,344 | , | 0 | 432,000 | 0 | 30,615 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 19 | 0.00 | 0.0 | 0.0 | 28.5 | 49,156 | 24 | 3,292 | 52,448 | 1,229 | 1 | 0 | 467,000 | 0 |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20 | 0.67 | 0.0 | 0.0 | 33.8 | 49,156 | 24 | 3,292 | 52,448 | 1,229 | 1 | 0 | 502,000 | 0 | 79,649 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21 | 0.12 | 0.0 | 0.0 | 31.4 | 78,855 | 48 | 3,342 | 82,197 | 1,120 | 0 | 0 | 504,000 | 0 | 79,448 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 22 | 0.00 | 0.0 | 0.0 | 21.1 | 62,381 | 5 | 3,890 | 66,271 | 1,535 | 0 | 0 | 489,000 | 0 | 86,807 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 | 0.60 | 0.0 | 0.0 | 23.1 | 60,316 | 75 | 1,946 | 62,262 | 1,409 | 0 | 0 | 458,000 | 0 | 65,020 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 24 | 0.00 | 0.0 | 0.0 | 22.5 | 59,656 | 76 | 3,926 | 63,582 | 837 | 1 | 0 | 446,000 | 0 | 79,645 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 25 | 0.00 | 0.0 | 0.0 | 23.2 | 57,381 | 0 | 2,008 | 59,389 | 1,304 | 0 | 0 | 432,000 | 0 | 43,039 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26 | 0.00 | 0.0 | 0.0 | 23.1 | 57,425 | 36 | 3,046 | 60,471 | 1,312 | 1 | 0 | 470,000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 27 | 0.00 | 0.0 | 0.0 | 23.0 | 57,425 | 36 | 3,046 | 60,471 | 1,312 | 1 | 0 | 509,000 | 0 | 65,278 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 28 | 0.33 | 0.0 | 0.0 | 22.7 | 63,024 | 73 | 4,024 | 67,048 | 1,302 | 1 | 0 | 504,000 | 0 | 86,795 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 29 | 0.13 | 0.0 | 0.0 | 21.2 | 62,811 | 0 | 4,680 | 67,491 | 1,591 | 0 | 0 | 480,000 | 0 | 63,820 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 30 | 0.00 | 0.0 | 0.0 | 23.5 | 61,698 | 74 | 2,276 | 63,974 | 1,293 | 1 | 0 | 482,000 | 0 | 72,259 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Total | 2.69 |  |  |  | 1,899,702 | 974 | 81,686 | 1,981,388 | 48,885 | 22 |  |  | - | 1,851,028 | 0 |  |  | 0 | 0 | 0 | 0 | 0 |
| Daily Average |  | 0.0 | 0.0 | 24.1 | 63,323 | 32 | 2,723 | 66,046 | 1,630 | 1 | 0 | 438,900 |  |  |  | 0 | 0 |  |  |  |  |  |
| Mo. Average |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0 |  |  |  | 0 | 0 | 0 | 0 |

. $\mathrm{NR}=\mathrm{No}$ Records, $\mathrm{NA}=$ Not Available.
ere 3. Daily average is calculated by dividing the total by the actual days measured in the monti
4. Monthly average calculated by dividing the total by the number of days of the month.
5. Column II, Trace is less than 0.01 inches and is not included in total
6. Columns II and IV field measured atstaff gauges.
7. Column V, PPS-B sensor reading plus 9 inches.

Colum VUH \& IX,
9. Column XIII and XIV, calculated from depht in 575,000 gal. tanks.
10. Columns VI-XII, XV-XVII, and XX-XXIII, quantities from flow meter
11. Column XXIV includes $80 \%$ of the daily values from Columns XVII, XXI, and XXII plus $5 \%$ of the daily values from column XX .

TABLE 2. FIELD DATA ENTRY FORM
APRIL 2015

## SOUTHEAST COUNTY LANDFILL, HILLSBOROUGH COUNTY, FLORIDA

| A | B | D | E | F | G | H | 1 | J | K | L | M | N | 0 | P | Q | R | S | T | U | V | W |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Flow Meter | Reading | Section 9 | Section 9 | Section 9 | Sections 7-8 | Sections 7-8 | Pond B | Pond B Effluent | Pond A | Effluent Spray | $\begin{gathered} \hline \hline \text { Depth in } \\ \text { 575K Tank } \end{gathered}$ | $\begin{gathered} \text { Depth in } \\ \text { 575K Tank } \end{gathered}$ | Leachate Treated | Leachate Hauled |  | Leachate <br> Dust Control <br> (Sprayed) <br> (gal.) | Effluent Hauled |  | Effluent <br> Dust Control <br> (Sprayed) <br> (gal) |
| Day | Rainfall (in.) | Pump Sta. A (gal.) | PS-B <br> (in.) | Pump 1 <br> (gal.) | Pump 2 <br> (gal.) | $\begin{aligned} & \text { LDS } \\ & \text { (gal.) } \end{aligned}$ | Pump (gal.) | LDS <br> (gal.) | Depth <br> (ft.) | Sprayed <br> (gal) | Depth (ft.) | Irrigation (gal.) | Leachate (ft.) | Effluent <br> (ft.) | at LTRF <br> (gal.) | Contractor (gal.) | $\begin{gathered} \hline \begin{array}{c} \text { County } \\ \text { (gal.) } \end{array} \\ \hline \hline \end{gathered}$ |  | Contractor (gal.) | $\begin{gathered} \text { County } \\ \text { (gal.) } \end{gathered}$ |  |
| 1 | 0.00 | 6,467,500 | 13.6 | 2,729,948 | 63,902 | 12,411 | 8,571,166 | 105,913 | 0.0 | 0.0 | 0.0 | 0 | 0.00 | 15.25 | 0 | 77,785 | 35,545 | 0 | 0 | 0 | 0 |
| 2 | 0.00 | 6,544,484 | 13.0 | 2,730,377 | 63,946 | 12,411 | 8,575,342 | 105,915 | 0.0 | 0.0 | 0.0 | 0 | 0.00 | 14.17 | 0 | 56,444 | 21,733 | 0 | 0 | 0 | 0 |
| 3 | 0.00 | 6,612,499 | 13.5 | 2,730,382 | 63,947 | 12,411 | 8,580,670 | 105,964 | 0.0 | 0.0 | 0.0 | 0 | 0.00 | 13.67 | 0 | 42,887 | 36,329 | 0 | 0 | 0 | 0 |
| 4 | 0.00 | 6,684,451 | 13.1 | 2,730,389 | 63,955 | 12,411 | 8,585,368 | 105,967 | 0.0 | 0.0 | 0.0 | 0 | 0.00 | 13.50 | 0 | 35,747 | 0 | 0 | 0 | 0 | 0 |
| 5 | 0.00 | 6,751,244 | 18.0 | 2,730,394 | 63,958 | 12,411 | 8,587,842 | 106,014 | 0.0 | 0.0 | 0.0 | 0 | 0.00 | 15.13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 | 0.07 | 6,818,037 | 22.8 | 2,730,398 | 63,960 | 12,411 | 8,590,316 | 106,061 | 0.0 | 0.0 | 0.0 | 0 | 0.00 | 16.75 | 0 | 73,593 | 36,242 | 0 | 0 | 0 | 0 |
| 7 | 0.05 | 6,818,037 | 24.7 | 2,730,407 | 63,963 | 12,411 | 8,597,474 | 106,061 | 0.0 | 0.0 | 0.0 | 0 | 0.00 | 13.17 | 0 | 73,583 | 36,272 | 0 | 0 | 0 | 0 |
| 8 | 0.00 | 6,917,839 | 13.1 | 2,749,727 | 68,904 | 12,418 | 8,600,410 | 106,109 | 0.0 | 0.0 | 0.0 | 0 | 0.00 | 13.08 | 0 | 81,353 | 36,516 | 0 | 0 | 0 | 0 |
| 9 | 0.00 | 6,991,000 | 13.0 | 2,749,728 | 68,984 | 12,418 | 8,601,168 | 106,116 | 0.0 | 0.0 | 0.0 | 0 | 0.00 | 11.58 | 0 | 35,781 | 29,261 | 0 | 0 | 0 | 0 |
| 10 | 0.00 | 7,059,130 | 12.5 | 2,749,911 | 70,407 | 12,421 | 8,601,682 | 106,158 | 0.0 | 0.0 | 0.0 | 0 | 0.00 | 11.42 | 0 | 42,882 | 14,624 | 0 | 0 | 0 | 0 |
| 11 | 0.00 | 7,122,550 | 14.2 | 2,749,914 | 70,409 | 12,421 | 8,602,178 | 106,204 | 0.0 | 0.0 | 0.0 | 0 | 0.00 | 12.17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 | 0.00 | 7,186,525 | 13.5 | 2,749,916 | 70,411 | 12,421 | 8,602,397 | 106,209 | 0.0 | 0.0 | 0.0 | 0 | 0.00 | 14.21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 | 0.12 | 7,250,500 | 12.8 | 2,749,918 | 70,413 | 12,421 | 8,602,616 | 106,213 | 0.0 | 0.0 | 0.0 | 0 | 0.00 | 16.25 | 0 | 42,881 | 0 | 0 | 0 | 0 | 0 |
| 14 | 0.00 | 7,311,128 | 13.4 | 2,749,919 | 70,993 | 12,422 | 8,602,628 | 106,273 | 0.0 | 0.0 | 0.0 | 0 | 0.00 | 16.50 | 0 | 96,014 | 0 | 0 | 0 |  | 0 |
| 15 | 0.00 | 7,374,200 | 12.2 | 2,749,922 | 71,753 | 12,423 | 8,602,628 | 106,273 | 0.0 | 0.0 | 0.0 | 0 | 0.00 | 15.42 | 0 | 60,625 | 0 | 0 | 0 | 0 | 0 |
| 16 | 0.60 | 7,435,878 | 14.4 | 2,749,925 | 72,860 | 12,423 | 8,604,066 | 106,321 | 0.0 | 0.0 | 0.0 | 0 | 0.00 | 15.42 | 0 | 58,624 | 0 | 0 | 0 | 0 | 0 |
| 17 | 0.00 | 7,496,880 | 12.2 | 2,749,929 | 73,904 | 12,424 | 8,608,140 | 106,321 | 0.0 | 0.0 | 0.0 | 0 | 0.00 | 15.17 | 0 | 73,932 | 0 | 0 | 0 | 0 | 0 |
| 18 | 0.00 | 7,558,315 | 14.2 | 2,749,935 | 75,242 | 12,424 | 8,610,108 | 106,370 | 0.0 | 0.0 | 0.0 | 0 | 0.00 | 15.00 | 0 | 30,615 | 0 | 0 | 0 | 0 | 0 |
| 19 | 0.00 | 7,607,471 | 19.5 | 2,749,941 | 76,465 | 12,425 | 8,613,400 | 106,394 | 0.0 | 0.0 | 0.0 | 0 | 0.00 | 16.21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20 | 0.67 | 7,656,627 | 24.8 | 2,749,947 | 77,688 | 12,425 | 8,616,692 | 106,418 | 0.0 | 0.0 | 0.0 | 0 | 0.00 | 17.42 | 0 | 43,068 | 36,581 | 0 | 0 | 0 | 0 |
| 21 | 0.12 | 7,735,482 | 22.4 | 2,750,200 | 78,555 | 12,425 | 8,620,034 | 106,466 | 0.0 | 0.0 | 0.0 | 0 | 0.00 | 17.50 | 0 | 42,888 | 36,560 | 0 | 0 | 0 | 0 |
| 22 | 0.00 | 7,797,863 | 12.1 | 2,750,982 | 79,308 | 12,425 | 8,623,924 | 106,471 | 0.0 | 0.0 | 0.0 | 0 | 0.00 | 17.00 | 0 | 50,145 | 36,662 | 0 | 0 | 0 | 0 |
| 23 | 0.60 | 7,858,179 | 14.1 | 2,750,985 | 80,714 | 12,425 | 8,625,870 | 106,546 | 0.0 | 0.0 | 0.0 | 0 | 0.00 | 15.92 | 0 | 35,780 | 29,240 | 0 | 0 | 0 | 0 |
| 24 | 0.00 | 7,917,835 | 13.5 | 2,750,988 | 81,548 | 12,426 | 8,629,796 | 106,622 | 0.0 | 0.0 | 0.0 | 0 | 0.00 | 15.50 | 0 | 43,100 | 36,545 | 0 | 0 | 0 | 0 |
| 25 | 0.00 | 7,975,216 | 14.2 | 2,750,993 | 82,847 | 12,426 | 8,631,804 | 106,622 | 0.0 | 0.0 | 0.0 | 0 | 0.00 | 15.00 | 0 | 43,039 | 0 | 0 | 0 | 0 | 0 |
| 26 | 0.00 | 8,032,641 | 14.1 | 2,750,997 | 84,155 | 12,427 | 8,634,850 | 106,658 | 0.0 | 0.0 | 0.0 | 0 | 0.00 | 16.34 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 27 | 0.00 | 8,090,065 | 14.0 | 2,751,001 | 85,462 | 12,427 | 8,637,896 | 106,693 | 0.0 | 0.0 | 0.0 | 0 | 0.00 | 17.67 | 0 | 28,624 | 36,654 | 0 | 0 | 0 | 0 |
| 28 | 0.33 | 8,153,089 | 13.7 | 2,751,005 | 86,760 | 12,428 | 8,641,920 | 106,766 | 0.0 | 0.0 | 0.0 | 0 | 0.00 | 17.50 | 0 | 50,083 | 36,712 | 0 | 0 | 0 | 0 |
| 29 | 0.13 | 8,215,900 | 12.2 | 2,751,011 | 88,345 | 12,428 | 8,646,600 | 106,766 | 0.0 | 0.0 | 0.0 | 0 | 0.00 | 16.67 | 0 | 28,631 | 35,189 | 0 | 0 | 0 | 0 |
| 30 | 0.00 | 8,277,598 | 14.5 | 2,751,012 | 89,637 | 12,429 | 8,648,876 | 106,840 | 0.0 | 0.0 | 0.0 | 0 | 0.00 | 16.75 | 0 | 43,009 | 29,250 | 0 | 0 | 0 | 0 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Totals | 2.69 |  |  |  |  |  |  |  |  | 0 |  | 0 |  |  | 0 | 1,291,113 | 559,915 | 0 | 0 | 0 | 0 |

NR = No Recors, NA = Not Available
2. Values in bold are estimated; values in italic are substitute for missing data and are based on averaged values

Column IV includes quantities from leak detection system.

## B trace is less than 0.01 imes

5. Columns C, D, F, G, H, I, J, L, N, Q, R-V and W are quantities from flow meters.
6. Columns $K$ and $M$ measured from staff gages in each pond.

| Type of Cover | Sections 7-8 <br> acres | Section 9 <br> acres |
| :--- | :---: | :---: |
| Open | 0 | 5 |
| Intermediate | 19.3 | 10 |
| Final | 0 | 0 |
| Not Opened | 0 | 0 |



Figure 1. Leachate Levels in Pump Station B and Rainfall for April 2015.


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## Estimated Depth at Pump Station B Sump (PS-B) (Column V)

Column V presents the depth of leachate, in inches, in the PS-B sump. Leachate from Phases I-VI flows to the PS-B sump for removal from the landfill. PS-B then pumps the leachate to Pump Station A (PS-A). Daily depth readings from the PS-B sump are included in this column. This month PS-B was above the normal operation level of 24 inches May $4^{\text {th }}$ due to a pump malfunction. The average recorded depth of leachate in the PS-B sump was 22.2 inches.

## Leachate Pumped to PS-B from TPS-6 (Column VI)

Column VI has been removed.

The SWMD took TPS-6 off line on September 24th (details were included in the September Leachate Balance Report).

## Leachate Pumped to MLPS from Phases I-VI (Column VII)

Column VII presents the daily amount of leachate, in gallons, collected from PS-A and pumped through the MLPS to the 575,000-gallon storage tank at the Leachate Treatment and Reclamation Facility (LTRF) for treatment or disposal. The average daily amount of leachate pumped from PS-A was 49,927 gallons. A total of 1,547,741 gallons of leachate was pumped this month.

## Leachate Pumped from Sections 7-8 LDS (Column VIII)

Column VIII presents the quantity of leachate removed from the leak detection system (LDS) of Sections 7-8. The quantity is measured by a flow meter before being pumped for removal with Sections 7-8 leachate. The removal rate did not exceed 1,930 gallons per day. This month a total of 1,023 gallons of leachate was removed from the leak detection system of Sections 7-8.

## Leachate Pumped to MLPS from Sections 7-8 (Column IX)

Column IX presents the quantity of leachate collected at Sections $7-8$ and pumped to the MLPS. The quantity is measured by a flow meter and includes any leachate removed from the leak detection system of Sections 7-8 (Column VIII). This month a total of 80,827 gallons of leachate was pumped from Sections 7-8.

## Leachate Pumped to LTRF from the MLPS (Column X)

Column X presents the total quantity of leachate pumped to the LTRF from Phases I-VI and Sections 7-8. This month a total of $1,628,568$ gallons of leachate were pumped to the LTRF.

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## Leachate Pumped to LTRF from Section 9 (Column XI)

Column XI presents the daily amount of leachate, in gallons, collected from Section 9 and pumped to the 575,000gallon storage tank at the Leachate Treatment and Reclamation Facility (LTRF) for treatment or disposal. A total of 33,756 gallons of leachate was pumped this month.

## Leachate Pumped from Section 9 LDS (Column XII)

Column XII presents the daily amount of leachate, in gallons, collected from the LDS of Section 9 and pumped to the 575,000-gallon storage tank at the LTRF for treatment or disposal. The removal rate did not exceed 4,651 gallons per day. This month a total of 10 gallons of leachate were removed from the leak detection system.

## Leachate in 575,000-Gallon Tank (Column XIII)

Column XIII presents the daily amount of leachate, in gallons, stored in the 575,000-gallon leachate holding tank at the LTRF. The amount of leachate stored in the tank is calculated based on the circumference of the tank and the daily level reading. This month the leachate tank was empty for permit required tank inspection.

## Effluent in 575,000-Gallon Tank (Column XIV)

Column XIV presents the daily amount of effluent, in gallons, stored in the 575,000-gallon effluent holding tank at the LTRF. The amount of effluent stored in the tank is calculated based on the circumference of the tank and the daily level reading. The treatment plant is down due to the permit required tank inspection. As such, on October 16,2014 , the SWMD began storing leachate in the effluent tank until the inspection of the leachate tank is completed. This month an average of 429,400 gallons of leachate was stored in the tank.

## Leachate Treated at LTRF (Column XV)

Column XV presents the daily amount of leachate, in gallons, treated at the LTRF. This month leachate was not treated at the plant. The plant was taken off line on October 16, 2014, for the permit required tank inspection.

## Total Leachate Hauled (Column XVI)

Column XVI presents the daily amount of leachate, in gallons, hauled off site. This month a total of 1,561,683 gallons of leachate was hauled off site.

## Leachate Dust Control Sprayed (Column XVII)

Column XVII presents the daily amount of leachate, in gallons, measured from the flow meter at the bypass-loading arm at the leachate storage tank. The leachate is used for dust control in the active area of the landfill. This month leachate was not used for dust control.

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## Pond A Storage (Column XVIII)

Column XVIII presents the daily amount of effluent, in gallons, stored in Pond A. The daily amount stored in the pond is calculated by using the daily depth of effluent in the Pond A (Column IV). Under normal operating conditions, the daily amount of effluent stored in the pond varies depending upon the daily amount of leachate treated at the LTRF, the daily rainfall, daily effluent hauling operations, daily spray irrigation operations, and the daily amount of effluent used for dust control/evaporation. This month effluent was not stored in Pond A.

## Pond B Storage (Column XIX)

Column XIX presents the daily amount of effluent, in gallons, stored in Pond B. The daily amount stored in the pond is calculated by using the daily depth of effluent in Pond B (Column IV). Under normal operating conditions, the amount stored in the pond will vary depending upon the daily amount of effluent removed from the pond by the evaporation system, hauled from the pond, used for dust control or evaporated. This month effluent was not stored in Pond B.

## Effluent Sprayed at Pond B (Column XX)

Column XX presents the daily amount of effluent, in gallons, sprayed for evaporation at Pond B. The amount evaporated is calculated by using 5 percent of the daily flow meter quantity sprayed at Pond $B$ and it is included in Column XXIV. This month effluent was not sprayed in Pond B.

## Effluent Irrigation (Column XXI)

Column XXI presents the daily amount of effluent, in gallons, used for spray irrigation on top of Phases I-VI. The daily amount of effluent irrigation on Phases $I-V I$ is measured from the flow meter at the irrigation pump station. This month effluent was not used for spray irrigation.

## Effluent Dust Control Sprayed (Column XXII)

Column XXII presents the daily amount of effluent, in gallons, sprayed for dust control in the active areas of the SCLF. The daily amount of effluent used for dust control, is measured from the flow meter at the bypass-loading arm. This month effluent was not sprayed as dust control.

## Total Effluent Hauled (Column XXIII)

Column XXIII presents the daily amount of effluent, in gallons, hauled off site, as measured from the flow meter at the bypass-loading arm. This month effluent was not hauled off site.

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## Total Evaporation (Column XXIV)

Column XXIV presents the daily amount of leachate and effluent, in gallons, that evaporates and therefore will not be returned to the SCLF and/or requires treatment. Evaporation rates of 80 percent and 5 percent evaporation rate for spray in Pond $B$ are assumed. There was no evaporation rate estimated for this month.

## TABLE 2

Table 2 presents data assembled from daily logs compiled by the SWMD staff.

## TABLE 3

## Leachate Balance Summary

The Leachate Balance Summary (see Table 3) presents a review of inflow and outflow quantities for the LTRF, as well as rainfall and effluent disposal quantities at the landfill. Total inflow quantity to the LTRF was $1,667,753$ gallons. Total outflow quantity from the LTRF was $1,561,683$ gallons. The change in storage for the month increased by 106,070 gallons.

Please advise should you have any questions concerning the information provided.

TABLE 1. LEACHATE WATER BALANCE REPORT FORM
SOUTHEAST COUNTY LANDTLL HOLS

| 1 | II | III | IV | v | VII | VIII | IX | x | XI | XII | XIII | XIV | xv | xVI | xVI | XVII | XIX | xx | XXI | XXII | x | XIV |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Day | $\begin{gathered} \text { Rainfall } \\ \text { (in.) } \end{gathered}$ | Depth <br> in <br> Pond <br> A <br> (ft.) | Depth <br> in <br> Pond <br> B <br> (f.) | Estimated <br> Depth <br> at <br> Ps-B <br> (in.) | Leachate <br> Pumped <br> to MLPS <br> from Phases I-VI <br> (gal.) | Leachate <br> Pumped from <br> Sections 7-8 <br> LDS <br> (gal.) | Leachate <br> Pumped <br> to MLPS from <br> Sections 7-8 <br> (gal.) | Leachate <br> Pumped <br> to LTRF from <br> MPLS <br> (gal.) | Leachate <br> Pumped <br> to LTRF from <br> Section 9 <br> (gal.) | Leachate <br> Pumped from <br> Section 9 <br> LDS <br> (gal.) | Leachate <br> in <br> 575 K <br> Tank <br> (gal.) | Effluent in 575 K Tank (gal.) | Leachate <br> Treated <br> at <br> LTRF <br> (gal.) | $\begin{gathered} \text { Total } \\ \text { Leachate } \\ \text { Hauled } \\ \text { (gal.) } \\ \hline \hline \end{gathered}$ |  | Pond <br> A <br> Storage <br> (gal.) | $\begin{gathered} \text { Pond } \\ \text { B } \\ \text { Storage } \\ \text { (gal) } \\ \hline \hline \end{gathered}$ | $\begin{aligned} & \hline \text { Effluent } \\ & \text { Sprayed } \\ & \text { Pond } \\ & \text { B } \\ & \text { (gal) } \\ & \hline \hline \end{aligned}$ | Effluent Irrigation <br> (gal.) | Effluent Dust Control (Sprayed) <br> (gal.) | Total <br> Effluent <br> Hauled <br> (gal.) | Total Evaporation (gal.) |
| 1 | 0.00 | 0.0 | 0.0 | 21.2 | 54,04 | 32 | 5,784 | 60,188 | 814 | 0 | 0 | 453,000 | 0 | 79,598 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 2 | 0.00 | 0.0 | 0.0 | 22.0 | 51,694 | 41 | 5,806 | 57,500 | 622 | 1 | 0 | 441,000 | 0 | 35,875 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 0.00 | 0.0 | 0.0 | 24.1 | 48,335 | 37 | 23 | 48,358 | 1,363 | 1 | 0 | 469,000 | 0 |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 4 | 0.00 | 0.0 | 0.0 | 26.3 | 48,335 | 37 | 23 | 48,358 | 1,363 | 1 | 0 | 497,000 | 0 | 50,122 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 5 | 0.00 | 0.0 | 0.0 | 20.9 | 50,876 | 73 | 1,992 | 52,868 | 726 | 1 | 0 | 494,000 | 0 | 79,481 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 6 | 0.00 | 0.0 | 0.0 | 23.4 | 52,594 | 0 | 1,966 | 54,560 | 1,483 | 0 | 0 | 468,000 | 0 | 72,135 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 7 | 0.00 | 0.0 | 0.0 | 23.3 | 55,874 | 70 | 2,086 | 57,960 | 1,420 | 0 | 0 | 441,000 | 0 | 74,386 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 | 0.00 | 0.0 | 0.0 | 22.1 | 53,104 | 0 | 12,070 | 65,174 | 653 | 0 | 0 | 422,000 | 0 | 67,001 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 | 0.00 | 0.0 | 0.0 | 23.0 | 52,162 | 65 | 30 | 52,192 | 1,477 | 1 | 0 | 415,000 | 0 | 38,228 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 | 0.00 | 0.0 | 0.0 | 22.4 | 50,352 | 33 | 79 | 50,431 | 863 | 0 | 0 | 446,000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 | 0.00 | 0.0 | 0.0 | 21.7 | 50,352 | 33 | 79 | 50,431 | 863 | 0 | 0 | 477,000 | 0 | 79,533 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 | 0.00 | 0.0 | 0.0 | 20.6 | 49,520 | 0 | 0 | 49,520 | 1,433 | 0 | 0 | 449,000 | 0 | 79,318 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 13 | 0.00 | 0.0 | 0.0 | 22.7 | 49,848 | 65 | 0 | 49,848 | 1,458 | 0 | 0 | 420,000 | 0 | 72,375 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 14 | 0.07 | 0.0 | 0.0 | 22.0 | 49,146 | 0 | 226 | 49,372 | 517 | 0 | 0 | 398,000 | 0 | 65,025 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15 | 0.00 | 0.0 | 0.0 | 23.0 | 49,418 | 66 | 26 | 49,444 | 1,524 | 0 | 0 | 367,000 | 0 | 72,350 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 16 | 0.00 | 0.0 | 0.0 | 23.0 | 47,988 | 0 | 292 | 48,280 | 721 | 1 | 0 | 353,000 | 0 |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 17 | 0.10 | 0.0 | 0.0 | 22.4 | 48,598 | 33 | ${ }^{0}$ | 48,598 | 988 | 0 | 0 | 399,000 | 0 |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 18 | 0.00 | 0.0 | 0.0 | 21.8 | 48,598 | 33 | 0 | 48,598 | 988 | 0 | 0 | 446,000 | 0 | 64,901 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 19 | 0.53 | 0.0 | 0.0 | 21.7 | 49,282 | 66 | 14,720 | 64,02 | 751 | 0 | 0 | 432,000 | 0 | 72,461 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 20 | 0.00 | 0.0 | 0.0 | 20.4 | 54,296 | 0 | 4,546 | 58,842 | 738 | 0 | 0 | 427,000 | 0 | 65,036 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21 | 0.00 | 0.0 | 0.0 | 21.6 | 53,618 | 66 | 3,114 | 56,732 | 1,669 | 0 | 0 | 403,000 | 0 | 65,100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 22 | 0.00 | 0.0 | 0.0 | 22.7 | 51,840 | , | 3,800 | 55,640 | 1,481 | 0 | 0 | 391,000 | 0 | 72,328 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 23 | 0.00 | 0.0 | 0.0 | 21.5 | 45,42 | 64 | 1,986 | 47,478 | 663 | 0 | 0 | 372,000 | 0 | 35,847 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 24 | 0.12 | 0.0 | 0.0 | 22.0 | 46,539 | 22 | 2,565 | 49,105 | 1,189 | 0 | 0 | 408,000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 25 | 0.00 | 0.0 | 0.0 | 22.3 | 31,026 | 15 | 1,710 | 32,736 | 793 | 0 | 0 | 432,000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 26 | 0.00 | 0.0 | 0.0 | 22.9 | 62,052 | 29 | 3,420 | 65,473 | 1,585 | 0 | 0 | 480,000 | 0 | 65,326 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 27 | 0.00 | 0.0 | 0.0 | 20.8 | 47,284 | 56 | 3,830 | 51,114 | 1,225 | 3 | 0 | 461,000 | 0 | 79,644 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 28 | 0.00 | 0.0 | 0.0 | 21.7 | 48,192 | 0 | 1,978 | 50,170 | 675 | 0 | 0 | 425,000 | 0 | 64,977 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 29 | 0.00 | 0.0 | 0.0 | 21.4 | 48,194 | 21 | 3,850 | 52,044 | 1,203 | 0 | 0 | 415,000 | 0 | 72,396 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 30 | 0.00 | 0.0 | 0.0 | 21.0 | 49,666 | 42 | 1,888 | 51,554 | 1,574 | 0 | 0 | 386,000 | 0 | 38,240 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 31 | 0.85 | 0.0 | 0.0 | 22.0 | 49,061 | 26 | 2,937 | 51,998 | 936 | 1 | 0 | 424,000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Total | 1.67 |  |  |  | 1,547,741 | 1,023 | 80,827 | 1,628,568 | 33,756 | 10 |  |  | 0 | 1,561,683 | 0 |  |  | 0 | 0 | 0 | 0 | 0 |
|  |  | 0.0 | 0.0 | 22.2 | 49,927 | 33 | 2,607 | 52,534 | 1,089 | 0 | 0 | 429,400 |  |  |  | 0 | 0 |  |  |  |  |  |
| Daily Average <br> Mo. Average |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0 |  |  |  | 0 | 0 | 0 | 0 |

1. $\mathrm{NR}=\mathrm{No}$ Records, $\mathrm{NA}=$ Not Available
.
2. Daily yeverage is calculated by dividing the otat by the actual days measured in the month.
3. Column II, Trace is less than 0.01 inches and is not included in total.
4. Columns II and IV field measured at saff ganges.
5. Column V, PPS-B sensor reading plus 9 inches.

Columns VIII \& IX Section $7-8$ leak detection pumed into Seccion 7 leachate sump riser
9. Column XIII and XIV, calculated from depth in 575,000 gal. tanks.
10. Columns VI-XII, XV-XVII, and XX-XXIII, quantities from flow meter

1. Column XXIV includes $80 \%$ of the daily values from Columns XVII, XXI, and XXII plus $5 \%$ of the daily values from column XX

TABLE 2. FIELD DATA ENTRY FORM
MAY 2015

## SOUTHEAST COUNTY LANDFILL, HILLSBOROUGH COUNTY, FLORIDA

| A | B | D | E | F | G | H | I | J | K | L | M | N | 0 | P | Q | R | S | T | U | V | W |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Flow Meter | Reading | Section 9 | Section 9 | Section 9 | Sections 7-8 | Sections 7-8 | Pond B | Pond B Effluent | Pond A | Effluent Spray | $\begin{gathered} \text { Depth in } \\ \text { 575K Tank } \end{gathered}$ | $\begin{gathered} \text { Depth in } \\ \text { 575K Tank } \end{gathered}$ | Leachate Treated | Leachat | Hauled | Leachate Dust Control | Effluen | auled | $\begin{gathered} \hline \hline \text { Effluent } \\ \text { Dust Control } \end{gathered}$ |
| Day | Rainfall <br> (in.) | Pump Sta. A (gal.) | PS-B <br> (in.) | Pump 1 <br> (gal.) | Pump 2 <br> (gal.) | LDS <br> (gal.) | Pump <br> (gal.) | LDS <br> (gal.) | Depth <br> (ft.) | Sprayed (gal) | Depth <br> (ft.) | Irrigation (gal.) | Leachate <br> (ft.) | Effluent <br> (ft.) | at LTRF <br> (gal.) | Contractor (gal.) | County (gal.) | (Sprayed) (gal.) | Contractor (gal.) | County (gal.) | (Sprayed) (gal) |
| 1 | 0.00 | 8,332,002 | 12.2 | 2,751,014 | 90,449 | 12,429 | 8,654,660 | 106,872 | 0.0 | 0.0 | 0.0 | 0 | 0.00 | 15.75 | 0 | 43,014 | 36,584 | 0 | 0 | 0 | 0 |
| 2 | 0.00 | 8,383,696 | 13.0 | 2,751,017 | 91,068 | 12,430 | 8,660,466 | 106,913 | 0.0 | 0.0 | 0.0 | 0 | 0.00 | 15.33 | 0 | 35,875 | 0 | 0 | 0 | 0 | 0 |
| 3 | 0.00 | 8,432,031 | 15.1 | 2,751,491 | 91,957 | 12,431 | 8,660,489 | 106,950 | 0.0 | 0.0 | 0.0 | 0 | 0.00 | 16.29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | 0.00 | 8,480,366 | 17.3 | 2,751,964 | 92,846 | 12,431 | 8,660,512 | 106,986 | 0.0 | 0.0 | 0.0 | 0 | 0.00 | 17.25 | 0 | 50,122 | 0 | 0 | 0 | 0 | 0 |
| 5 | 0.00 | 8,531,242 | 11.9 | 2,751,970 | 93,566 | 12,432 | 8,662,504 | 107,059 | 0.0 | 0.0 | 0.0 | 0 | 0.00 | 17.17 | 0 | 42,933 | 36,548 | 0 | 0 | 0 | 0 |
| 6 | 0.00 | 8,583,836 | 14.4 | 2,751,971 | 95,048 | 12,432 | 8,664,470 | 107,059 | 0.0 | 0.0 | 0.0 | 0 | 0.00 | 16.25 | 0 | 42,906 | 29,229 | 0 | 0 | 0 | 0 |
| 7 | 0.00 | 8,639,710 | 14.3 | 2,751,973 | 96,466 | 12,432 | 8,666,556 | 107,129 | 0.0 | 0.0 | 0.0 | 0 | 0.00 | 15.33 | 0 | 38,135 | 36,251 | 0 | 0 | 0 | 0 |
| 8 | 0.00 | 8,692,814 | 13.1 | 2,751,976 | 97,116 | 12,432 | 8,678,626 | 107,129 | 0.0 | 0.0 | 0.0 | 0 | 0.00 | 14.67 | 0 | 30,619 | 36,382 | 0 | 0 | 0 | 0 |
| 9 | 0.00 | 8,744,976 | 14.0 | 2,751,982 | 98,587 | 12,433 | 8,678,656 | 107,194 | 0.0 | 0.0 | 0.0 | 0 | 0.00 | 14.42 | 0 | 38,228 | 0 | 0 | 0 | 0 | 0 |
| 10 | 0.00 | 8,795,328 | 13.4 | 2,752,074 | 99,358 | 12,433 | 8,678,735 | 107,227 | 0.0 | 0.0 | 0.0 | 0 | 0.00 | 15.50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 | 0.00 | 8,845,680 | 12.7 | 2,752,166 | 100,129 | 12,433 | 8,678,814 | 107,260 | 0.0 | 0.0 | 0.0 | 0 | 0.00 | 16.58 | 0 | 42,915 | 36,618 | 0 | 0 | 0 | 0 |
| 12 | 0.00 | 8,895,200 | 11.6 | 2,752,173 | 101,555 | 12,433 | 8,678,814 | 107,260 | 0.0 | 0.0 | 0.0 | 0 | 0.00 | 15.58 | 0 | 43,089 | 36,229 | 0 | 0 | 0 | 0 |
| 13 | 0.00 | 8,945,048 | 13.7 | 2,752,176 | 103,010 | 12,433 | 8,678,814 | 107,325 | 0.0 | 0.0 | 0.0 | 0 | 0.00 | 14.58 | 0 | 35,738 | 36,637 | 0 | 0 | 0 | 0 |
| 14 | 0.07 | 8,994,194 | 13.0 | 2,752,178 | 103,525 | 12,433 | 8,679,040 | 107,325 | 0.0 | 0.0 | 0.0 | 0 | 0.00 | 13.83 | 0 | 35,763 | 29,262 | 0 | 0 | 0 | 0 |
| 15 | 0.00 | 9,043,612 | 14.0 | 2,752,182 | 105,045 | 12,433 | 8,679,066 | 107,391 | 0.0 | 0.0 | 0.0 | 0 | 0.00 | 12.75 | 0 | 35,786 | 36,564 | 0 | 0 | 0 | 0 |
| 16 | 0.00 | 9,091,600 | 14.0 | 2,752,185 | 105,763 | 12,434 | 8,679,358 | 107,391 | 0.0 | 0.0 | 0.0 | 0 | 0.00 | 12.25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17 | 0.10 | 9,140,198 | 13.4 | 2,752,510 | 106,426 | 12,434 | 8,679,358 | 107,424 | 0.0 | 0.0 | 0.0 | 0 | 0.00 | 13.88 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 | 0.00 | 9,188,796 | 12.8 | 2,752,834 | 107,089 | 12,434 | 8,679,358 | 107,456 | 0.0 | 0.0 | 0.0 | 0 | 0.00 | 15.50 | 0 | 35,761 | 29,140 | 0 | 0 | 0 | 0 |
| 19 | 0.53 | 9,238,078 | 12.7 | 2,752,837 | 107,837 | 12,434 | 8,694,078 | 107,522 | 0.0 | 0.0 | 0.0 | 0 | 0.00 | 15.00 | 0 | 35,717 | 36,744 | 0 | 0 | 0 | 0 |
| 20 | 0.00 | 9,292,374 | 11.4 | 2,752,841 | 108,571 | 12,434 | 8,698,624 | 107,522 | 0.0 | 0.0 | 0.0 | 0 | 0.00 | 14.83 | 0 | 35,765 | 29,271 | 0 | 0 | 0 | 0 |
| 21 | 0.00 | 9,345,992 | 12.6 | 2,752,991 | 110,090 | 12,434 | 8,701,738 | 107,588 | 0.0 | 0.0 | 0.0 | 0 | 0.00 | 14.00 | 0 | 35,797 | 29,303 | 0 | 0 | 0 | 0 |
| 22 | 0.00 | 9,397,832 | 13.7 | 2,752,995 | 111,567 | 12,434 | 8,705,538 | 107,588 | 0.0 | 0.0 | 0.0 | 0 | 0.00 | 13.58 | 0 | 35,773 | 36,555 | 0 | 0 | 0 | 0 |
| 23 | 0.00 | 9,443,324 | 12.5 | 2,752,996 | 112,229 | 12,434 | 8,707,524 | 107,652 | 0.0 | 0.0 | 0.0 | 0 | 0.00 | 12.92 | 0 | 35,847 | 0 | 0 | 0 | 0 | 0 |
| 24 | 0.12 | 9,489,863 | 13.0 | 2,752,999 | 113,415 | 12,434 | 8,710,089 | 107,674 | 0.0 | 0.0 | 0.0 | 0 | 0.00 | 14.17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 25 | 0.00 | 9,520,890 | 13.3 | 2,753,001 | 114,206 | 12,435 | 8,711,800 | 107,689 | 0.0 | 0.0 | 0.0 | 0 | 0.00 | 15.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26 | 0.00 | 9,582,942 | 13.9 | 2,753,005 | 115,787 | 12,435 | 8,715,220 | 107,718 | 0.0 | 0.0 | 0.0 | 0 | 0.00 | 16.67 | 0 | 28,665 | 36,661 | 0 | 0 | 0 | 0 |
| 27 | 0.00 | 9,630,226 | 11.8 | 2,753,016 | 117,001 | 12,438 | 8,719,050 | 107,774 | 0.0 | 0.0 | 0.0 | 0 | 0.00 | 16.00 | 0 | 42,921 | 36,723 | 0 | 0 | 0 | 0 |
| 28 | 0.00 | 9,678,418 | 12.7 | 2,753,021 | 117,671 | 12,438 | 8,721,028 | 107,774 | 0.0 | 0.0 | 0.0 | 0 | 0.00 | 14.75 | 0 | 35,756 | 29,221 | 0 | 0 | 0 | 0 |
| 29 | 0.00 | 9,726,612 | 12.4 | 2,753,028 | 118,867 | 12,438 | 8,724,878 | 107,795 | 0.0 | 0.0 | 0.0 | 0 | 0.00 | 14.42 | 0 | 35,825 | 36,571 | 0 | 0 | 0 | 0 |
| 30 | 0.00 | 9,776,278 | 12.0 | 2,753,028 | 120,441 | 12,438 | 8,726,766 | 107,837 | 0.0 | 0.0 | 0.0 | 0 | 0.00 | 13.42 | 0 | 38,240 | 0 | 0 | 0 | 0 | 0 |
| 31 | 0.85 | 9,825,339 | 13.0 | 2,753,098 | 121,307 | 12,439 | 8,729,703 | 107,863 | 0.0 | 0.0 | 0.0 | 0 | 0.00 | 14.71 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Totals | 1.67 |  |  |  |  |  |  |  |  | 0 |  | 0 |  |  | 0 | 911,190 | 650,493 | 0 | 0 | 0 | 0 |

NR = No Records, NA = Not Available
2. Values in bold are estimated; values in italic are substitute for missing data and are based on averaged value

Column IV includes quantities from leak detection system.

## Column B trace is less than 0.01 inches

5. Columns C, D, F, G, H, I, J, L, N, Q, R-V and W are quantities from flow meters.
6. Columns $K$ and $M$ measured from staff gages in each pond.

| Type of Cover | Sections 7-8 <br> acres | Section 9 <br> acres |
| :--- | :---: | :---: |
| Open | 0 | 5 |
| Intermediate | 19.3 | 10 |
| Final | 0 | 0 |
| Not Opened | 0 | 0 |



Figure 1. Leachate Levels in Pump Station B and Rainfall for May 2015.


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## Estimated Depth at Pump Station B Sump (PS-B) (Column V)

Column V presents the depth of leachate, in inches, in the PS-B sump. Leachate from Phases I-VI flows to the PS-B sump for removal from the landfill. PS-B then pumps the leachate to Pump Station A (PS-A). Daily depth readings from the PS-B sump are included in this column. This month PS-B was above the normal operation level of 24 inches June $16^{\text {th }}-$ June $30^{\text {th }}$ due to a Pump B going into the shop for maintenance. The average recorded depth of leachate in the PS-B sump was 27.1 inches.

## Leachate Pumped to PS-B from TPS-6 (Column VI)

Column VI has been removed.

The SWMD took TPS-6 off line on September 24th (details were included in the September Leachate Balance Report).

## Leachate Pumped to MLPS from Phases I-VI (Column VII)

Column VII presents the daily amount of leachate, in gallons, collected from PS-A and pumped through the MLPS to the 575,000-gallon storage tank at the Leachate Treatment and Reclamation Facility (LTRF) for treatment or disposal. The average daily amount of leachate pumped from PS-A was 39,960 gallons. A total of 1,198,801 gallons of leachate was pumped this month.

## Leachate Pumped from Sections 7-8 LDS (Column VIII)

Column VIII presents the quantity of leachate removed from the leak detection system (LDS) of Sections 7-8. The quantity is measured by a flow meter before being pumped for removal with Sections 7-8 leachate. The removal rate did not exceed 1,930 gallons per day. This month a total of 746 gallons of leachate was removed from the leak detection system of Sections 7-8.

## Leachate Pumped to MLPS from Sections 7-8 (Column IX)

Column IX presents the quantity of leachate collected at Sections $7-8$ and pumped to the MLPS. The quantity is measured by a flow meter and includes any leachate removed from the leak detection system of Sections 7-8 (Column VIII). This month a total of 72,452 gallons of leachate was pumped from Sections 7-8.

## Leachate Pumped to LTRF from the MLPS (Column X)

Column X presents the total quantity of leachate pumped to the LTRF from Phases I-VI and Sections 7-8. This month a total of 1,271,253 gallons of leachate were pumped to the LTRF.

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## Leachate Pumped to LTRF from Section 9 (Column XI)

Column XI presents the daily amount of leachate, in gallons, collected from Section 9 and pumped to the 575,000gallon storage tank at the Leachate Treatment and Reclamation Facility (LTRF) for treatment or disposal. A total of 29,958 gallons of leachate was pumped this month.

## Leachate Pumped from Section 9 LDS (Column XII)

Column XII presents the daily amount of leachate, in gallons, collected from the LDS of Section 9 and pumped to the 575,000-gallon storage tank at the LTRF for treatment or disposal. The removal rate did not exceed 4,651 gallons per day. This month a total of 7 gallons of leachate were removed from the leak detection system.

## Leachate in 575,000-Gallon Tank (Column XIII)

Column XIII presents the daily amount of leachate, in gallons, stored in the 575,000-gallon leachate holding tank at the LTRF. The amount of leachate stored in the tank is calculated based on the circumference of the tank and the daily level reading. This month the leachate tank was empty for permit required tank inspection.

## Effluent in 575,000-Gallon Tank (Column XIV)

Column XIV presents the daily amount of effluent, in gallons, stored in the 575,000-gallon effluent holding tank at the LTRF. The amount of effluent stored in the tank is calculated based on the circumference of the tank and the daily level reading. The treatment plant is down due to the permit required tank inspection. As such, on October 16, 2014, the SWMD began storing leachate in the effluent tank until the inspection of the leachate tank is completed. This month an average of 337,400 gallons of leachate was stored in the tank.

## Leachate Treated at LTRF (Column XV)

Column XV presents the daily amount of leachate, in gallons, treated at the LTRF. This month leachate was not treated at the plant. The plant was taken off line on October 16, 2014, for the permit required tank inspection.

## Total Leachate Hauled (Column XVI)

Column XVI presents the daily amount of leachate, in gallons, hauled off site. This month a total of 1,449,630 gallons of leachate was hauled off site.

## Leachate Dust Control Sprayed (Column XVII)

Column XVII presents the daily amount of leachate, in gallons, measured from the flow meter at the bypass-loading arm at the leachate storage tank. The leachate is used for dust control in the active area of the landfill. This month 7, 242 gallons of leachate was used for dust control.

## Pond A Storage (Column XVIII)

Column XVIII presents the daily amount of effluent, in gallons, stored in Pond A. The daily amount stored in the pond is calculated by using the daily depth of effluent in the Pond A (Column IV). Under normal operating conditions, the daily amount of effluent stored in the pond varies depending upon the daily amount of leachate treated at the LTRF, the daily rainfall, daily effluent hauling operations, daily spray irrigation operations, and the daily amount of effluent used for dust control/evaporation. This month effluent was not stored in Pond A.

## Pond B Storage (Column XIX)

Column XIX presents the daily amount of effluent, in gallons, stored in Pond B. The daily amount stored in the pond is calculated by using the daily depth of effluent in Pond B (Column IV). Under normal operating conditions, the amount stored in the pond will vary depending upon the daily amount of effluent removed from the pond by the evaporation system, hauled from the pond, used for dust control or evaporated. This month effluent was not stored in Pond B.

## Effluent Sprayed at Pond B (Column XX)

Column XX presents the daily amount of effluent, in gallons, sprayed for evaporation at Pond B. The amount evaporated is calculated by using 5 percent of the daily flow meter quantity sprayed at Pond $B$ and it is included in Column XXIV. This month effluent was not sprayed in Pond B.

## Effluent Irrigation (Column XXI)

Column XXI presents the daily amount of effluent, in gallons, used for spray irrigation on top of Phases I-VI. The daily amount of effluent irrigation on Phases I-VI is measured from the flow meter at the irrigation pump station. This month effluent was not used for spray irrigation.

## Effluent Dust Control Sprayed (Column XXII)

Column XXII presents the daily amount of effluent, in gallons, sprayed for dust control in the active areas of the SCLF. The daily amount of effluent used for dust control, is measured from the flow meter at the bypass-loading arm. This month effluent was not sprayed as dust control.

## Total Effluent Hauled (Column XXIII)

Column XXIII presents the daily amount of effluent, in gallons, hauled off site, as measured from the flow meter at the bypass-loading arm. This month effluent was not hauled off site.

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July 15, 2015
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## Total Evaporation (Column XXIV)

Column XXIV presents the daily amount of leachate and effluent, in gallons, that evaporates and therefore will not be returned to the SCLF and/or requires treatment. Evaporation rates of 80 percent and 5 percent evaporation rate for spray in Pond $B$ are assumed. There was no evaporation rate estimated for this month.

## TABLE 2

Table 2 presents data assembled from daily logs compiled by the SWMD staff.

## TABLE 3

## Leachate Balance Summary

The Leachate Balance Summary (see Table 3) presents a review of inflow and outflow quantities for the LTRF, as well as rainfall and effluent disposal quantities at the landfill. Total inflow quantity to the LTRF was 1,309,093 gallons. Total outflow quantity from the LTRF was $1,456,872$ gallons. The change in storage for the month decreased by 147,779 gallons.

Please advise should you have any questions concerning the information provided.

TABLE 1. LEACHATE WATER bALANCE REPORT FORM
JUNE 2015

| 1 | II | III | IV | v | VI | VII | VIII | IX | x | XI | XII | XIII | xiv | xv | xVI | xviI | xviII | xix | xx | xxı | xxiI | xxIII | xxiv |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Day | $\begin{gathered} \text { Rainall } \\ \text { (in.) } \end{gathered}$ | Depth <br> in <br> Pond <br> A <br> (ft.) | $\begin{gathered} \hline \hline \text { Depth } \\ \text { in } \\ \text { Pond } \\ \text { B } \\ \text { (f.) } \\ \hline \end{gathered}$ | Estimated <br> Deph <br> at <br> Ps-B <br> (in.) | Leachate <br> Pumped <br> to PS-B <br> from TPS-6 <br> (gal.) | Leachate <br> Pumped <br> to MLPS <br> from Phases I-VI <br> (gal.) | Leachate <br> Pumped from <br> Sections $7-8$ <br> LDS <br> (gal.) | Leachate Pumped to MLPS from Sections $7-8$ (gal.) | Leachate <br> Pumped <br> to LTRF from <br> MPLS <br> (gal.) | Leachate <br> Pumped <br> to LTRF from <br> Section 9 <br> (gal.) | Leachate <br> Pumped from <br> Section 9 <br> LDS <br> (gal.) | Leachate <br> in <br> 575 K <br> Tank <br> (gal.) | $\begin{gathered} \hline \hline \begin{array}{c} \text { Effluent } \\ \text { in } \end{array} \\ 575 \mathrm{~K} \\ \text { Tank } \\ \text { (gal.) } \\ \hline \hline \end{gathered}$ | Leachate <br> Treated <br> at <br> LTRF <br> (gal.) | $\qquad$ | Leachate Dust Control (Sprayed) <br> (gal.) | $\begin{gathered} \text { Pond } \\ \text { A } \\ \text { Storage } \\ \text { (gal.) } \\ \hline \hline \end{gathered}$ | $\begin{gathered} \text { Pond } \\ \text { B } \\ \text { Storage } \\ \text { (gal) } \\ \hline \hline \end{gathered}$ | Effluent <br> Sprayed <br> Pond <br> B <br> (gal) | Effluent Irrigation <br> (gal.) <br> (gal.) | EffluentDust ControlDust (Sprayed) (gal.) | Total Effluent Hauled (gal.) | Total Evaporation <br> (gal.) |
| 1 | 0.65 | 0.0 | 0.0 | 23.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 461,000 | 0 | 72,634 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 2 | 1.42 | 0.0 | 0.0 | 20.9 | 0 | 49,398 | 0 | 1,920 | 51,318 | 503 | 0 | 0 | 432,000 | 0 | 79,673 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 3 | 0.00 | 0.0 | 0.0 | 20.9 | 0 | 54,600 | 57 | 3,816 | 58,416 | 1,779 | 0 | 0 | 403,000 | 0 | 36,372 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 4 | 0.00 | 0.0 | 0.0 | 22.7 | 0 | 50,741 | 0 | 1,910 | 52,651 | 506 | 0 | 0 | 420,000 | 0 | 72,121 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 5 | 0.00 | 0.0 | 0.0 | 22.7 | 0 | 50,451 | 55 | 2,018 | 52,469 | 1,394 | 1 | 0 | 389,000 | 0 | 72,467 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 6 | 0.00 | 0.0 | 0.0 | 23.1 | 0 | 48,827 | 1 | 3,866 | 52,693 | 808 | 0 | 0 | 372,000 | 0 | 35,786 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 7 | 0.18 | 0.0 | 0.0 | 22.5 | 0 | 47,052 | 28 | 1,933 | 48,985 | 1,003 | 1 | 0 | 406,000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 8 | 0.00 | 0.0 | 0.0 | 21.9 | 0 | 47,052 | 28 | 1,933 | 48,985 | 1,003 | 1 | 0 | 439,000 | 0 | 64,345 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 9 | 0.07 | 0.0 | 0.0 | 23.0 | 0 | 47,925 | 57 | 3,852 | 51,777 | 1,004 | 0 | 0 | 410,000 | 0 | 71,452 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 10 | 1.57 | 0.0 | 0.0 | 22.7 | 0 | 47,349 | 0 | 1,876 | 49,225 | 1,473 | 1 | 0 | 391,000 | 0 | 71,530 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 11 | 0.00 | 0.0 | 0.0 | 20.9 | 0 | 47,106 | 15 | 1,892 | 48,998 | 907 | 0 | 0 | 374,000 | 0 | 64,788 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 12 | 0.01 | 0.0 | 0.0 | 21.8 | 0 | 46,420 | 41 | 3,814 | 50,234 | 534 | 0 | 0 | 353,000 | 0 | 72,434 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 13 | 0.00 | 0.0 | 0.0 | 21.9 | 0 | 42,787 | 0 | 1,916 | 44,703 | 993 | 0 | 0 | 329,000 | 0 |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 14 | 0.00 | 0.0 | 0.0 | 22.2 | 0 | 46,262 | 29 | 2,909 | 49,171 | 1,159 | 1 | 0 | 373,000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 15 | 0.00 | 0.0 | 0.0 | 22.4 | 0 | 46,262 | 29 | 2,909 | 49,171 | 1,159 | 1 | 0 | 417,000 | 0 | 57,389 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 16 | 0.00 | 0.0 | 0.0 | 33.7 | 0 | 5,637 | 64 | 1,924 | 7,561 | 1,260 | 0 | 0 | 369,000 | 0 | 71,554 | 0 | 0 | 0 | , | 0 | 0 | 0 |  |
| 17 | 0.04 | 0.0 | 0.0 | 33.2 | 0 | 31,045 | 0 | 4,104 | 35, 149 | 671 | 1 | 0 | 333,000 | 0 | 71,269 |  | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 18 | 0.23 | 0.0 | 0.0 | 32.5 | 0 | 40,668 | 41 | 2,208 | 42,876 | 1,347 | 0 | 0 | 300,000 | 0 | 70,94 | 7,242 | 0 | 0 | 0 | 0 | 0 | 0 | 5,800 |
| 19 | 0.00 | 0.0 | 0.0 | 32.2 | 0 | 43,280 | 16 | 2,510 | 45,790 | 1,205 | 0 | 0 | 271,000 | 0 | 63,987 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 20 | 0.07 | 0.0 | 0.0 | 33.6 | 0 | 38,364 | 0 | 6,786 | 45,150 | 1,370 | 0 | 0 | 266,000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 21 | 0.00 | 0.0 | 0.0 | 33.4 | 0 | 14,541 | 26 | 2,130 | 16,671 | 702 | 0 | 0 | 275,000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 22 | 0.10 | 0.0 | 0.0 | 33.1 | 0 | 14,541 | 26 | 2,130 | 16,671 | 702 | 0 | 0 | 283,000 | 0 | 35,782 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 23 | 0.90 | 0.0 | 0.0 | 33.3 | 0 | 13,002 | 0 | 254 | 13,256 | 1,387 | 1 | 0 | 269,000 | 0 | 71,212 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 24 | 2.02 | 0.0 | 0.0 | 33.8 | 0 | 45,877 | 63 | 2 | 45,879 | 828 | 0 | 0 | 259,000 | 0 | 70,674 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 25 | 0.09 | 0.0 | 0.0 | 29.8 | 0 | 37,050 | 57 | 0 | 37,050 | 1,085 | 0 | 0 | 257,000 | 0 | 64,281 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 26 | 0.00 | 0.0 | 0.0 | 33.9 | 0 | 46,295 | 0 | 2,236 | 48,531 | 1,076 | 0 | 0 | 257,000 | 0 | 65,312 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 27 | 0.00 | 0.0 | 0.0 | 29.8 | 0 | 45,851 | 0 | 2,540 | 48,391 | 1,072 | 1 | 0 | 257,000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 28 | 0.00 | 0.0 | 0.0 | 31.7 | 0 | 22,491 | 31 | 2,980 | 25,471 | 831 | 0 | 0 | 246,000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 29 | 0.00 | 0.0 | 0.0 | 33.6 | 0 | 22,491 | 31 | 2,980 | 25,471 | 831 | 0 | 0 | 235,000 | 0 | 57,033 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| 30 | 0.00 | 0.0 | 0.0 | 23.0 | 0 | 105,438 | 54 | 3,104 | 108,542 | 1,368 | 0 | 0 | 276,000 | 0 | 36,541 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Total | 7.35 |  |  |  | 0 | 1,198,801 | 746 | 72,422 | 1,271,253 | 29,958 | 7 |  |  | 0 | 1,449,630 | 7,242 |  |  | 0 | 0 | 0 | 0 | 5,800 |
| Daily Average |  | 0.0 | 0.0 | 27.1 | 0 | 39,960 | 25 | 2,415 | 42,375 | 999 | 0 | 0 | 337,400 |  |  |  | 0 | 0 |  |  |  |  |  |
| Mo. Average |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 200 |  |  |  | 0 | 0 | 0 |  |

Notes:

1. NR $=$ No Records, $\mathrm{NA}=$ Not Available.
2
Values in bold are estimated values in
re estimated, values in italic are substitute for missing data and are based on averaged values
. Monthly average calcullated by dividining the toatal by the eaumber of dayss of the month.
Column II, Trace is less sthan 0.01 inches and in is not included in of toal
2. Columns III and IV, field measured at staff t gauge
3. Column V, PPS-B sensor read ing pas inches.

Columns VIII \& IX, Section $7-8$ leak detection pumped into Section 7 leachate sump rise.
and XX-xxhth in 575,000 gal. tanks.


TABLE 2. FIELD DATA ENTRY FORM
JUNE 2015
SOUTHEAST COUNTY LANDFILL, HILLSBOROUGH COUNTY, FLORIDA

| A | B | C | D | E | F | G | H | 1 | J | K | L | M | N | 0 | P | Q | R | S | T | U | V | W |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Flow Meter | Flow Meter | Reading | Section 9 | Section 9 | Section 9 | Sections 7-8 | Sections 7-8 | Pond B | Pond B Effluent | Pond A | $\begin{gathered} \hline \hline \begin{array}{c} \text { Effluent } \\ \text { Spray } \end{array} \end{gathered}$ | Depth in 575K Tank | $\begin{gathered} \hline \hline \begin{array}{c} \text { Depth in } \\ \text { 575K Tank } \end{array} \\ \hline \end{gathered}$ | Leachate Treated | Leachate | Hauled | Leachate <br> Dust Control | Effluent | auled | $\begin{array}{\|c\|} \hline \hline \text { Effluent } \\ \text { Dust Control } \end{array}$ |
| Day | Rainfall <br> (in.) | TPS-6 <br> (gal.) | Pump Sta. A (gal.) | PS-B <br> (in.) | Pump 1 <br> (gal.) | Pump 2 <br> (gal.) | $\begin{aligned} & \text { LDS } \\ & \text { (gal.) } \end{aligned}$ | Pump <br> (gal.) | LDS <br> (gal.) | Depth <br> (ft.) | Sprayed (gal) | Depth <br> (ft.) | Irrigation (gal.) | Leachate <br> (ft.) | Effluent <br> (ft.) | $\begin{gathered} \text { at LTRF } \\ \text { (gal.) } \end{gathered}$ | $\begin{array}{\|c\|} \hline \begin{array}{c} \text { Contractor } \\ \text { (gal.) } \end{array} \\ \hline \hline \end{array}$ | County (gal.) | (Sprayed) (gal.) | $\begin{gathered} \hline \begin{array}{c} \text { Contractor } \\ \text { (gal.) } \end{array} \\ \hline \hline \end{gathered}$ | County (gal.) | (Sprayed) (gal) |
| 1 | 0.65 | 0 | 9,874,400 | 14.0 | 2,753,167 | 122,173 | 12,439 | 8,732,640 | 107,888 | 0.0 | 0.0 | 0.0 | 0 | 0.00 | 16.00 | 0 | 36,058 | 36,576 | 0 | 0 | 0 | 0 |
| 2 | 1.42 | 0 | 9,923,798 | 11.9 | 2,753,172 | 122,671 | 12,439 | 8,734,560 | 107,888 | 0.0 | 0.0 | 0.0 | 0 | 0.00 | 15.00 | 0 | 42,927 | 36,746 | 0 | 0 | 0 | 0 |
| 3 | 0.00 | 0 | 9,978,398 | 11.9 | 2,753,175 | 124,447 | 12,439 | 8,738,376 | 107,945 | 0.0 | 0.0 | 0.0 | 0 | 0.00 | 14.00 | 0 | 0 | 36,372 | 0 | 0 | 0 | 0 |
| 4 | 0.00 | 0 | 29,139 | 13.7 | 2,753,179 | 124,949 | 12,439 | 8,740,286 | 107,945 | 0.0 | 0.0 | 0.0 | 0 | 0.00 | 14.60 | 0 | 42,906 | 29,215 | 0 | 0 | 0 | 0 |
| 5 | 0.00 | 0 | 79,590 | 13.7 | 2,754,146 | 125,376 | 12,440 | 8,742,304 | 108,000 | 0.0 | 0.0 | 0.0 | 0 | 0.00 | 13.50 | 0 | 35,953 | 36,514 | 0 | 0 | 0 | 0 |
| 6 | 0.00 | 0 | 128,417 | 14.1 | 2,754,937 | 125,393 | 12,440 | 8,746,170 | 108,001 | 0.0 | 0.0 | 0.0 | 0 | 0.00 | 12.92 | 0 | 35,786 | 0 | 0 | 0 | 0 | 0 |
| 7 | 0.18 | 0 | 175,469 | 13.5 | 2,755,362 | 125,971 | 12,441 | 8,748,103 | 108,029 | 0.0 | 0.0 | 0.0 | 0 | 0.00 | 14.09 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 | 0.00 | 0 | 222,520 | 12.9 | 2,755,787 | 126,549 | 12,441 | 8,750,036 | 108,057 | 0.0 | 0.0 | 0.0 | 0 | 0.00 | 15.25 | 0 | 35,823 | 28,522 | 0 | 0 | 0 | 0 |
| 9 | 0.07 | 0 | 270,445 | 14.0 | 2,756,790 | 126,550 | 12,441 | 8,753,888 | 108,114 | 0.0 | 0.0 | 0.0 | 0 | 0.00 | 14.25 | 0 | 35,728 | 35,724 | 0 | 0 | 0 | 0 |
| 10 | 1.57 | 0 | 317,794 | 13.7 | 2,756,794 | 128,019 | 12,442 | 8,755,764 | 108,114 | 0.0 | 0.0 | 0.0 | 0 | 0.00 | 13.58 | 0 | 35,743 | 35,787 | 0 | 0 | 0 | 0 |
| 11 | 0.00 | 0 | 364,900 | 11.9 | 2,756,797 | 128,923 | 12,442 | 8,757,656 | 108,129 | 0.0 | 0.0 | 0.0 | 0 | 0.00 | 13.00 | 0 | 35,746 | 29,042 | 0 | 0 | 0 | 0 |
| 12 | 0.01 | 0 | 411,320 | 12.8 | 2,756,801 | 129,453 | 12,442 | 8,761,470 | 108,170 | 0.0 | 0.0 | 0.0 | 0 | 0.00 | 12.25 | 0 | 35,964 | 36,470 | 0 | 0 | 0 | 0 |
| 13 | 0.00 | 0 | 454,107 | 12.9 | 2,757,741 | 129,506 | 12,442 | 8,763,386 | 108,170 | 0.0 | 0.0 | 0.0 | 0 | 0.00 | 11.42 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 | 0.00 | 0 | 500,369 | 13.2 | 2,758,254 | 130,153 | 12,443 | 8,766,295 | 108,199 | 0.0 | 0.0 | 0.0 | 0 | 0.00 | 12.96 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15 | 0.00 | 0 | 546,630 | 13.4 | 2,758,766 | 130,799 | 12,443 | 8,769,204 | 108,227 | 0.0 | 0.0 | 0.0 | 0 | 0.00 | 14.50 | 0 | 28,777 | 28,612 | 0 | 0 | 0 | 0 |
| 16 | 0.00 | 0 | 552,267 | 24.7 | 2,759,670 | 131,155 | 12,443 | 8,771,128 | 108,291 | 0.0 | 0.0 | 0.0 | 0 | 0.00 | 12.83 | 0 | 35,846 | 35,708 | 0 | 0 | 0 | 0 |
| 17 | 0.04 | 0 | 583,312 | 24.2 | 2,759,673 | 131,823 | 12,444 | 8,775,232 | 108,291 | 0.0 | 0.0 | 0.0 | 0 | 0.00 | 11.58 | 0 | 35,752 | 35,517 | 0 | 0 | 0 | 0 |
| 18 | 0.23 | 0 | 623,980 | 23.5 | 2,760,568 | 132,275 | 12,444 | 8,777,440 | 108,332 | 0.0 | 0.0 | 0.0 | 0 | 0.00 | 10.42 | 0 | 35,763 | 35,231 | 7,242 | 0 | 0 | 0 |
| 19 | 0.00 | 0 | 667,260 | 23.2 | 2,760,576 | 133,472 | 12,444 | 8,779,950 | 108,348 | 0.0 | 0.0 | 0.0 | 0 | 0.00 | 9.42 | 0 | 35,762 | 28,225 | 0 | 0 | 0 | 0 |
| 20 | 0.07 | 0 | 705,624 | 24.6 | 2,761,455 | 133,963 | 12,444 | 8,786,736 | 108,348 | 0.0 | 0.0 | 0.0 | 0 | 0.00 | 9.25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21 | 0.00 | 0 | 720,165 | 24.4 | 2,761,893 | 134,227 | 12,444 | 8,788,866 | 108,374 | 0.0 | 0.0 | 0.0 | 0 | 0.00 | 9.54 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 | 0.10 | 0 | 734,706 | 24.1 | 2,762,331 | 134,490 | 12,444 | 8,790,996 | 108,399 | 0.0 | 0.0 | 0.0 | 0 | 0.00 | 9.83 | 0 | 35,782 | 0 | 0 | 0 | 0 | 0 |
| 23 | 0.90 | 0 | 747,708 | 24.3 | 2,763,278 | 134,930 | 12,445 | 8,791,250 | 108,399 | 0.0 | 0.0 | 0.0 | 0 | 0.00 | 9.33 | 0 | 35,781 | 35,431 | 0 | 0 | 0 | 0 |
| 24 | 2.02 | 0 | 793,585 | 24.8 | 2,764,077 | 134,959 | 12,445 | 8,791,252 | 108,462 | 0.0 | 0.0 | 0.0 | 0 | 0.00 | 9.00 | 0 | 35,796 | 34,878 | 0 | 0 | 0 | 0 |
| 25 | 0.09 | 0 | 830,635 | 20.8 | 2,765,029 | 135,092 | 12,445 | 8,791,252 | 108,519 | 0.0 | 0.0 | 0.0 | 0 | 0.00 | 8.92 | 0 | 35,791 | 28,490 | 0 | 0 | 0 | 0 |
| 26 | 0.00 | 0 | 876,930 | 24.9 | 2,765,909 | 135,288 | 12,445 | 8,793,488 | 108,519 | 0.0 | 0.0 | 0.0 | 0 | 0.00 | 8.92 | 0 | 35,800 | 29,512 | 0 | 0 | 0 | 0 |
| 27 | 0.00 | 0 | 922,781 | 20.8 | 2,765,912 | 136,357 | 12,446 | 8,796,028 | 108,519 | 0.0 | 0.0 | 0.0 | 0 | 0.00 | 8.92 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 28 | 0.00 | 0 | 945,272 | 22.7 | 2,765,916 | 137,184 | 12,446 | 8,799,008 | 108,550 | 0.0 | 0.0 | 0.0 | 0 | 0.00 | 8.55 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 29 | 0.00 | 0 | 967,763 | 24.6 | 2,765,919 | 138,011 | 12,446 | 8,801,988 | 108,580 | 0.0 | 0.0 | 0.0 | 0 | 0.00 | 8.17 | 0 | 28,609 | 28,424 | 0 | 0 | 0 | 0 |
| 30 | 0.00 | 0 | 1,073,201 | 14.0 | 2,766,176 | 139,122 | 12,446 | 8,805,092 | 108,634 | 0.0 | 0.0 | 0.0 | 0 | 0.00 | 9.58 |  | 0 | 36,541 | 0 | 0 | 0 | 0 |
| Totals | 7.35 |  |  |  |  |  |  |  |  |  | 0 |  | 0 |  |  | 0 | 752,093 | 697,537 | 7,242 | 0 | 0 | 0 |

Notes
. $\mathrm{NR}=\mathrm{No}$ Records, $\mathrm{NA}=$ Not Available.
Values in bold are estimated; values in italic are substitute for missing data and are based on averaged values
Column IV includes quantities from leak detection system.

| Type of Cover | Phases I-VI <br> acres | Sections 7-8 <br> acres | Section 9 <br> acres |
| :--- | :---: | :---: | :---: |
| Open | 0 | 0 | 5 |
| Intermediate | 139.4 | 19.3 | 10 |
| Final | 23 | 0 | 0 |
| Not Opened | 0 | 0 | 0 |

## 4. Column B, trace is less than 0.01 inches.

5. Columns C, D, F, G, H, I, J, L, N, Q, R-V and W are quantities from flow meters.
6. Columns $K$ and $M$ measured from staff gages in each pond.


Figure 1. Leachate Levels in Pump Station B and Rainfall for June 2015.

TABLE 3. LEACHATE BALANCE SUMMARY
SOUTHEAST COUNTY LANDFILL
HILLSBOROUGH COUNTY, FLORIDA
YEAR-2015

|  |  | Leachate Arriving at LTRF |  |  |  | Leachate Leaving LTRF |  |  | Effluent Disposal |  |  | Inflow / Outflow For LTRF |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Month | Rainfall <br> (in.) | Condensate from LFG System (gal.) | Leachate <br> from Section 9 <br> Pumped to LTRF <br> (gal.) | Leachate from Section 7-8 Pumped to LTRF (gal.) | Leachate from Phases I-VI Pumped to LTRF (gal.) | $\begin{gathered} \text { Total Leachate } \\ \text { Hauled } \\ \text { from LTRF } \\ \text { (gal.) } \\ \hline \hline \end{gathered}$ | Leachate <br> Dust Control <br> (Sprayed) <br> (gal.) | Leachate <br> Treated at <br> LTRF <br> (gal.) | Total <br> Effluent <br> Hauled <br> (gal.) | Effluent Dust Control (Sprayed) (gal.) | Effluent Irrigation (gal.) | ```Total Inflow to LTRF (gal.)``` | Total Outflow <br> from <br> LTRF <br> (gal.) | Change in Storage ${ }^{3}$ (gal.) |
| January | 1.15 | 7,214 | 44,572 | 197,166 | 2,213,468 | 2,259,648 | 0 | 0 | 0 | 0 | 0 | 2,462,420 | 2,259,648 | 202,772 |
| February | 5.40 | 9,440 | 29,182 | 93,449 | 1,970,261 | 1,915,340 | 0 | 0 | 0 | 0 | 0 | 2,102,332 | 1,915,340 | 186,992 |
| March | 1.04 | 6,628 | 52,240 | 149,624 | 1,890,785 | 2,073,947 | 0 | 0 | 0 | 0 | 0 | 2,099,277 | 2,073,947 | 25,330 |
| April | 2.69 | 6,338 | 48,907 | 81,686 | 1,899,702 | 1,851,028 | 0 | 0 | 0 | 0 | 0 | 2,036,633 | 1,851,028 | 185,605 |
| May | 1.67 | 5,420 | 33,765 | 80,827 | 1,547,741 | 1,561,683 | 0 | 0 | 0 | 0 | 0 | 1,667,753 | 1,561,683 | 106,070 |
| June | 7.35 | 7,875 | 29,965 | 72,452 | 1,198,801 | 1,449,630 | 7,242 | 0 | 0 | 0 | 0 | 1,309,093 | 1,456,872 | -147,779 |
| July |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| August |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| September |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| October |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| November |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| December |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| YTD Total | 19.30 | 42,915 | 238,631 | 675,204 | 10,720,758 | 11,111,276 | 7,242 | 0 | 0 | 0 | 0 | 11,677,508 | 11,118,518 | 558,990 |

Note:

1. If the bypass at the effluent pond is ever used to pump effluent back to the LTRF, this table must be modified
2. Leachate from the Hillsborough Heights and Taylor Road landfills is being hauled to the Faulkenburg Road Wastewater Treatment Facility,
3. Change in storage represents total inflow to LTRF minus total outflow from LTRF
