

# LASMA Lagoon Report

12/1/2011 - 12/31/2011

## Flow Summary

| Location          | Type      | Delivered (DT) | Outloaded (DT) | Net Change (DT) | Opening (DT) | Closing (DT) |
|-------------------|-----------|----------------|----------------|-----------------|--------------|--------------|
| Lagoon 23         | Lo-solids | 0              | 601            | -601            | 18,074       | 17,473       |
| Lagoon 24         | Lo-solids | 4,409          | 0              | 4,409           | 14,245       | 18,654       |
| Lagoon 25         | Lo-solids | 602            | 0              | 602             | 0            | 602          |
| Lagoon 26         | Lo-solids | 0              | 0              | 0               | 0            | 0            |
| Lagoon 27         | Cake      | 0              | 5              | -5              | 31,390       | 31,384       |
| Lagoon 28         | Cake      | 0              | 5              | -5              | 399          | 395          |
| Lagoon 29         | Cake      | 0              | 3,124          | -3,124          | 13,757       | 10,633       |
| Lagoon 30         | Cake      | 3,722          | 989            | 2,734           | 11,770       | 14,504       |
| Cake Subtotal     |           |                |                | -400            | 57,316       | 56,916       |
| Lo-Solid Subtotal |           |                |                | 4,409           | 32,320       | 36,729       |

## Emergency Capacity

| Location         | Available Storage(Gal) |
|------------------|------------------------|
| Lagoon 23        | 12,571,173             |
| Lagoon 24        | 10,017,864             |
| Lagoon 25        | 47,949,834             |
| Lagoon 26        | 72,710,999             |
| Lagoon 27        | 38,811,003             |
| Lagoon 28        | 72,289,451             |
| Lagoon 29        | 61,231,106             |
| Lagoon 30        | 57,048,096             |
| Cake Storage     | 229,379,656            |
| Lo-Solid Storage | 143,249,870            |
| Total Storage    | 372,629,526            |

## Lagoon Capacity

| Location  | Percent Full |
|-----------|--------------|
| Lagoon 23 | 69.89%       |
| Lagoon 24 | 74.14%       |
| Lagoon 25 | 2.64%        |
| Lagoon 26 | 0.00%        |
| Lagoon 27 | 52.31%       |
| Lagoon 28 | 0.66%        |
| Lagoon 29 | 17.72%       |
| Lagoon 30 | 24.17%       |

## Operational Notes

Lagoon 25 is the current lagoon receiving lo-solids.  
Lagoon 30 is the current lagoon receiving cake.

Average Daily Digester Flow ~3%TS = 3.54 mgd.  
Days of emergency capacity @ 3%TS = 105 days  
Days of emergency capacity @ 6%TS = 211 days  
Days of emergency capacity @ 9%TS = 316 days