

Atlantic DeWatering Services: Grease Trap and Septage DeWatering Facility

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Atlantic DeWatering Services
L.L.C.

What Do We Do?

- Set up and/or Operate Dewatering Facilities with strategic partners in well defined markets.
- Sell and Service Mobile and Turn-Key Dewatering Operations in Municipal, Industrial, and Agricultural Markets.
- 4,000 to 75,000 gal/day facilities

Atlantic DeWatering Services L.L.C.

Receiving facility benefits:

- Simple operation
- Low Energy/ Water Requirements
- Small Footprint
- Flexible operation between animal wastes and septage and grease trap wastes
- Predictable costs to operate: 2.5 cents/gal to 7 cents/gal depending on disposal costs

Receiving facility overview:

Grease Trap Processing Plant

- Multi-process capability-
 - Septage
 - Grease Trap Waste
 - Industrial



GREASE: Dewatering

- The goal is to remove the grease trap solids from the liquid fraction



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Effluent Water

Standard operating results:

- ◆ 80 to 90% BOD reduction
- ◆ 90 to 99% TSS reduction
- ◆ 50 to 60% Phosphorous reduction
- ◆ 80% TKN reduction



Facility overview: Basic



- Receiving
- Holding Tanks
- Mixers
- Pump & poly system

Receiving Area

- Ease of hook up and truck access



Holding Tanks and Mixing

- Circulating pump and mixer
- Keep it blended!



Simple, Flexible, Effective



- Low water requirements for system, 5-10 gpm at 25 psi
- no wash water flow
- Polymer selection is critical for the success of the operation and flexibility to change polymers easily has proven very beneficial

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Holding Tanks:

Aeration ponds:

Digester Sludge:

- Process waste water is removed from the lagoon/holding tank.
- Flocculation testing done prior to operation.



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Holding Tanks:
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- Atlantic DeWatering offers simple and reliable polymer dosing systems and variable speed sludge pumps to match most sludge applications.



Material Flow: basic



- Receiving
- Holding Tanks
- Mixers
- Pump & poly system
- Floc Check
- DeTainer

DeTainer Operation

- Sludge is continually Flocked as it is pumped into the “box”, solids are retained and clean effluent is discharged back to the plant system.



Transportation

■ Atlantic DeWatering Services L.L.C offers equipment configured to suit your operation:

- ◆ Roll-back truck DT30 and DT40 Tall
- ◆ Roll-back trailer: DT40 L
- ◆ Dump trailer: DTT50 and DTT20 self dumping
- ◆ Other, per customer



Custom Mobile Unit:

- Skid Mounted
- All support equipment inside
- Holding tanks located at each point



DeTainer

Benefits

•Effluent Water

- low TSS
- Clean operation
- Reduced BOD

Treatment Plants:

- Accept grease
- Increase septage volume
- Reduce processing costs



***ATLANTIC
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Atlantic DeWatering Services L.L.C.

Customers:

- Industrial
- Municipal
- Agriculture
- Septage
- Greasetrap

