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Aiken, SC 29808

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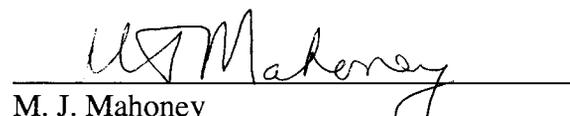
**Evaporator Performance, Tank Space Management, and
Liquid Waste Transfers: Fiscal Year 2006 Summary (U)**

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12/4/06
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Restricted Release Information has been Omitted

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Introduction

This report summarizes the waste tank space management and evaporator performance activities during FY06. The information reported herein was collaborated and analyzed by the System Integration and Planning Group.

The System Integration and Planning Group regularly tracks many aspects of the Tank Farm activities. Information tracked by the Evaporator Feed and Transfer Planning Team includes: evaporator performance (2F, 2H, and 3H Evaporators); Tank Farm influents; Tank Farm effluents; transfer scheduling and planning.

It is the goal of the System Integration and Planning Group to manage the space within the Tank Farms efficiently and effectively. Fully understanding the tank space remaining in the Tank Farms, as well as potential space to be recovered, are two ways to successfully use the Type III tanks in order to meet contract goals and milestones. Understanding the influents and effluents of the Tank Farms are also important when allocating Type III tank space for various missions and projects.

The attached yearly update for Fiscal Year 2006 summarizes the following:

- Performance of the evaporators
 - space recovery
 - utility
 - change in total volume
- Changes in Type III tank space
 - Type III material balance
 - Type III tank usable space
- Changes in Type III compliant tank inventory
 - sludge
 - salt
 - supernate
 - available space
- Transfers that occurred during the past quarter including characteristics of those transfers
 - total transfer amount
 - jet dilution
 - flow rate

Notes:

1. All High Liquid Level Conductivity Probe (HLLCP) heights were obtained from N-ESR-G-00001, Revision 365.
2. All salt levels, sludge levels, and prime mover levels were obtained from SW11.1-WTE, SEC. 7.2, Revision 18 unless otherwise noted.

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Executive Summary

Yearly Report: October 1, 2005 - September 30, 2006

Programmatic Objectives

During FY06, Evaporator tank space and Transfer System health was managed to support the following major programmatic and contract objectives: DWPF Recycle Receipts, H-Canyon receipts, Sludge Batch (SB) 4 washing, SB5 preparation, and Interim Salt Processing. There were a total of 105 transfers including Tank to Tank and Evaporator recycle transfers moving more than 18 million gallons of liquid waste. The Evaporator system recovered more than 3 million gallons of space to support the previously mentioned objectives.

DWPF Recycle Receipts

- Maintained DWPF operability by proper space management in the 2H Evaporator system.
- Management of recycle receipt space during 2H outage for mechanical cleaning of gravity drain line (GDL) and chemical cleaning of 2H Evaporator pot.

H-Canyon Receipts

- Managed Tank 39 and Tank 50 space availability to support H-Canyon stabilization of nuclear materials

Sludge Batch 4 Washing

- Sludge washing in Tank 51 of Tank 11 Sludge.

Sludge Batch 5 Preparation

- Sludge removed from Tanks 5 and 6 to begin building SB5.
- Completed removal of greater than 50” of saltcake from Tank 37. Salt removal will support planned FY07 SB 5 decants.

Interim Salt Processing

- Salt processing was not performed in FY06 due to Saltstone Processing Facility (SPF) permitting issues
- Completed series of Tank 34-32 transfers to provide space to support Tank 25 interstitial draining.

Evaporator Performance

During the period of October 1, 2005 through September 30, 2006, the total space recovered by the 2F, 2H, and 3H Evaporator Systems equaled 3,128,000 gallons with a combined total average utility of 34%.

2F Evaporator

Space Recovered:	779,000 gallons	
Utility:	40 %	
Downtime:	5,232 hours	
	Equipment Failure	= 36.9%
	Scheduled outages	= 25.1%
	Feed Pump PISA	= 14.9 %
	Transfer Conflicts	= 11.1%
Material Processed:	Tank 51 (765,300 gallons)	
	Tank 47 (37,000 gallons)	

Key Information: Significant unplanned downtime due to equipment failures including a major outage due to feed pump problems.

A series of SB4 decants were sent to the 2F evaporator system for volume reduction.

2H Evaporator

Space Recovered:	1,701,000 gallons	
Utility:	44 %	
Downtime:	4,871 hours	
	Chemical Cleaning Outage	= 65.8 %
	Feed Pump PISA	= 14.0 %
	Tank 38 GDL Cleaning	= 8.7 %

Material Processed: Tank 22 (1,270,000 gallons)

Key Information: Between 10/1/2006 and 12/12/2006, the 2H evaporator operated extremely well with a utility of 92% and reclaiming 423K gallons of space. Unfortunately, due to four major outages in the 2H Evaporator system, the utility for FY06 was 44%. During one of the outages the 1H control room was consolidated (CRC) into the 3H control room. At that point in time all DWPF receipts went to Tank 38. Additionally, approximately 91K gallons of receipts were received directly into Tank 38 during the repair of V-107 at HDB-5. Due to poor evaporator performance, resulting from NaAlSi solids in the 2H system, no fresh feed from Tank 22 and 43 could be run during the 74H/3H CRC which occurred in FY06Q1. A caustic cleaning of the 2H Evaporator pot was completed between 12/12/05 and 4/22/06. This caustic chemical cleaning campaign involved five strikes using 3M NaOH and eleven strikes using 8M NaOH. This campaign removed a sufficient volume of solids from the pot to support restart and operation of the 2H Evaporator. However, the caustic chemical cleaning was not effective in totally removing solids from the pot. Therefore, the implementation of an acid cleaning campaign is planned in early FY07.

3H Evaporator

Space Recovered: 648,000 gallons

Utility: 18 %

Downtime: 7,221 hours

Equipment Failure = 62.6 %

Water Hammer = 19.0 %

Transfer Conflicts = 10.1 %

Material Processed: Tank 34 (429,000 gallons)

Tank 33 (192,600 gallons)

Key Information: Significant unplanned downtime due to equipment failures including a major outage due to the tank 37 line segment failure. Due to this line segment failure the 3H system has been down since March 31, 2006 and is not scheduled to restart until January 2007. Before the line segment failure, the 3H system was able to receive over 600K, via Tank 34-32 and Tank 33-32 transfers, of 2F Evaporator liquor and further volume reduce it by approximately 20%.

A salt removal campaign was initiated during FY05 and completed in FY06. During the salt removal, approximately 670K gallons of salt solution was transferred to Tank 35 over 24 Tank 37-35 transfers. Based on the average initial and final salt sounding measurements, approximately 55” of salt were removed from Tank 37.

Total Volume of Stored Waste

During FY06, the total volume within the tanks decreased from 36,619,000 gallons to 36,517,000 gallons. Below is a material balance outlining the changes observed in the total volume of Tank Farm waste.

Total Volume (9/30/05)		36,619,000 gallons
Total Inflows	2,172,000 gallons	38,791,000 gallons
Total Effluents	-3,364,400 gallons	35,372,800 gallons
Total Miscellaneous Additions	1,516,700 gallons	36,889,500 gallons
Total Reel Tape Verifications	- 28,800 gallons	36,860,700 gallons
Actual Total Volume (9/30/06)		36,517,000 gallons
<i>Variation</i>		<i>343,700 gallons</i>

A more complete breakdown of the influents, effluents, miscellaneous additions and reel tape standardizations can be found in section III.A. The approximate 343,700 gallons of variation can be accounted for by normal fluctuations in tank reel tapes, small volume flush water additions to the tanks, and specific gravity changes in the tanks.

Type III Tank Usable Space

The following section summarizes the Type III tank usable space. Type III tank usable space is defined as the space between the HLLCP set point minus the actual tank waste level in Tanks 25 through 51 (except Tanks 40, 48, and 50). Tanks 40 and 50 are not included in the Type III usable space because they are the feed tanks for DWPF and SPF, respectively. Tank 48 is not included in the analysis because of organic disposition requirements.

The volume of Type III tank usable space increased from 2,312,000 gallons to 2,465,000 gallons during FY06. A space material balance accounting for this increase can be found below.

Type III Space Material Balance	
Space Recovery / Effluents	
Evaporator Space Recovery	3,127,600 gallons
Total Space Recovery / Effluents	3,127,600 gallons
Influents / Waste Receipts	
Tank 22 – 43 Transfers	1,270,000 gallons
Canyon Receipts	69,400 gallons
Lowering HLLCP (Tanks 42, and 51)	221,200 gallons
DWPF – Tank 38 Transfers	402,600 gallons
IW Additions (Tanks 37 and 51)	658,500 gallons
* Miscellaneous	352,970 gallons
Total Influents / Waste Receipts	2,974,600 gallons
Increase in Tank Usable Space	153,000 gallons

* The miscellaneous influent and waste receipts can be attributed to normal fluctuations in tank reel tapes, flush water additions to the tanks, jet dilution added during transfers, and chemical additions to the Tanks.

Waste Transfers

A total of 105 tank-to-tank transfers occurred during FY06. Of the transfers, 53 supported space management, and 52 were recycles that supported evaporator operation. Below is a breakdown of transfers that occurred in each area, as well as the recycle transfers that occurred at each evaporator. A detailed transfer listing can be found in section 3.1.

Area	Number of Transfers	Total Volume of Transfers
F-Area tank-to-tank	19	4,501,800 gallons
H-Area tank-to-tank	20	2,413,800 gallons
Inter-Area Line	14	1,958,300 gallons
2F Recycles	22	4,309,000 gallons
2H Recycles	23	3,329,500 gallons
3H Recycles	7	1,696,500 gallons
Totals	105	18,208,900 gallons

1.

Overall

Evaporator

Performance

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1.1 Overall Evaporator Performance: Yearly Space Recovery and Utility

The following section summarizes the evaporator space recovery and utility. Space recovery is discussed both individually and cumulatively. The graphs portray the overall use of the evaporators from a space recovery and utility perspective. A summary of evaporator space recovery is provided below:

	3H Space Recovery (gallons)	2H Space Recovery (gallons)	2F Space Recovery (gallons)	Cumulative Space Recovery (gallons)
FY06Q1	185 k	886 k	21 k	1,092k
FY06Q2	481 k	-32 k	246 k	695 k
FY06Q3	-6 k	220 k	207 k	420 k
FY06Q4	-11 k	627 k	305 k	921 k
FY06 Total	648 k	1,701 k	779 k	3,128 k

A summary of evaporator utility is provided below:

	3H Utility	2H Utility	2F Utility	Cumulative Utility
FY06Q1	17 %	72 %	12 %	34 %
FY06Q2	54 %	1 %	52 %	36 %
FY06Q3	0 %	26 %	38 %	21 %
FY06Q4	0 %	79 %	60 %	46 %
FY06 Total	18 %	44 %	40 %	34 %

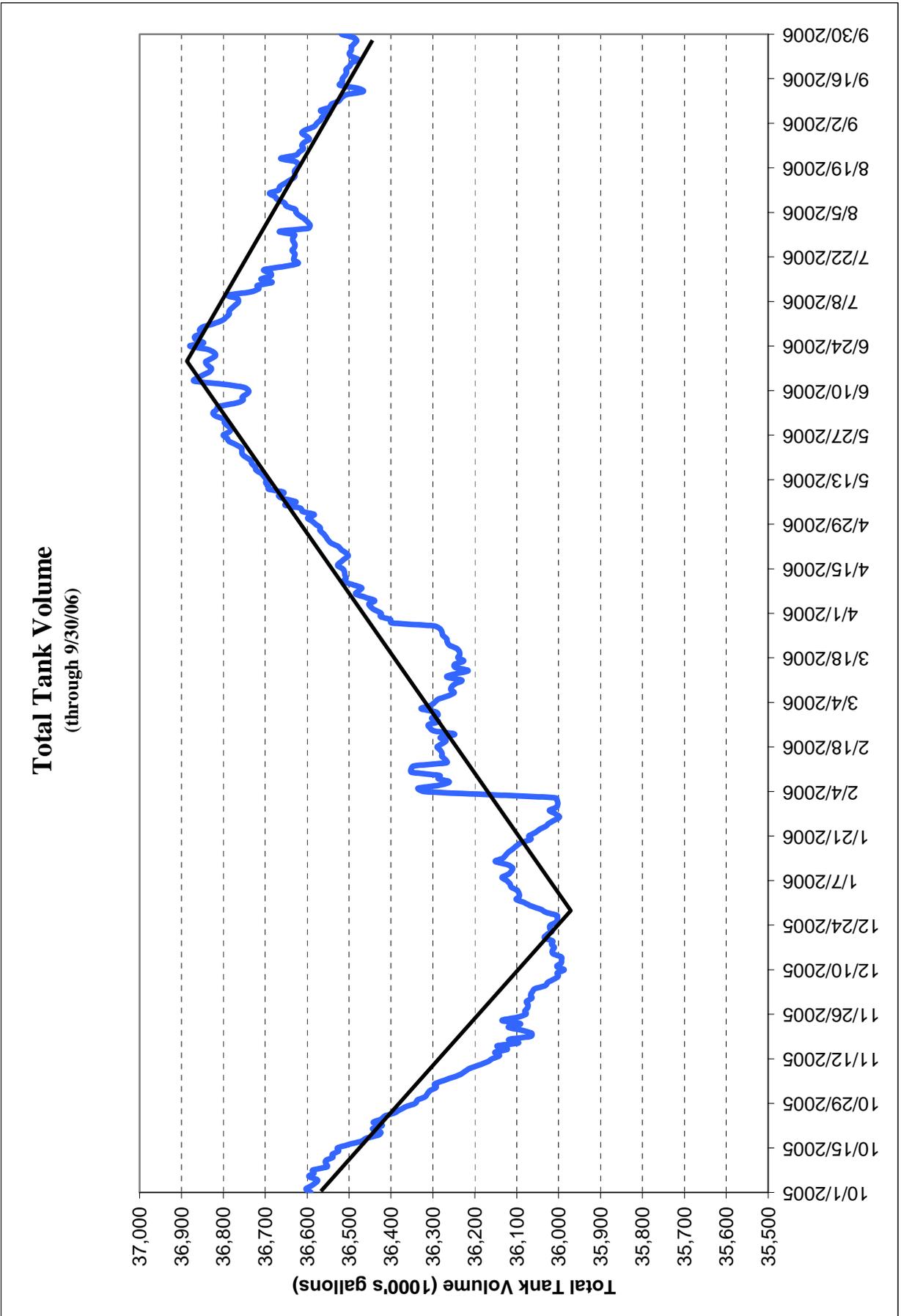
As the above tables show, the 3H Evaporator operated at ~36% utility during the first half of FY06. The 3H ran at ~17% during the FY06Q1 due to a salt removal campaign. There were also modifications being completed to address water hammer issues during this outage period. The system then ran at ~54% during FY06Q2. The downtime was due to an inability to perform recycle transfers because of loop seal replacement in Tanks 29-34. In April of 2006 the 3H was shut down due to a failed transfer line to Tank 37 and has remained down. The 3H is scheduled to restart at the end of January 2007.

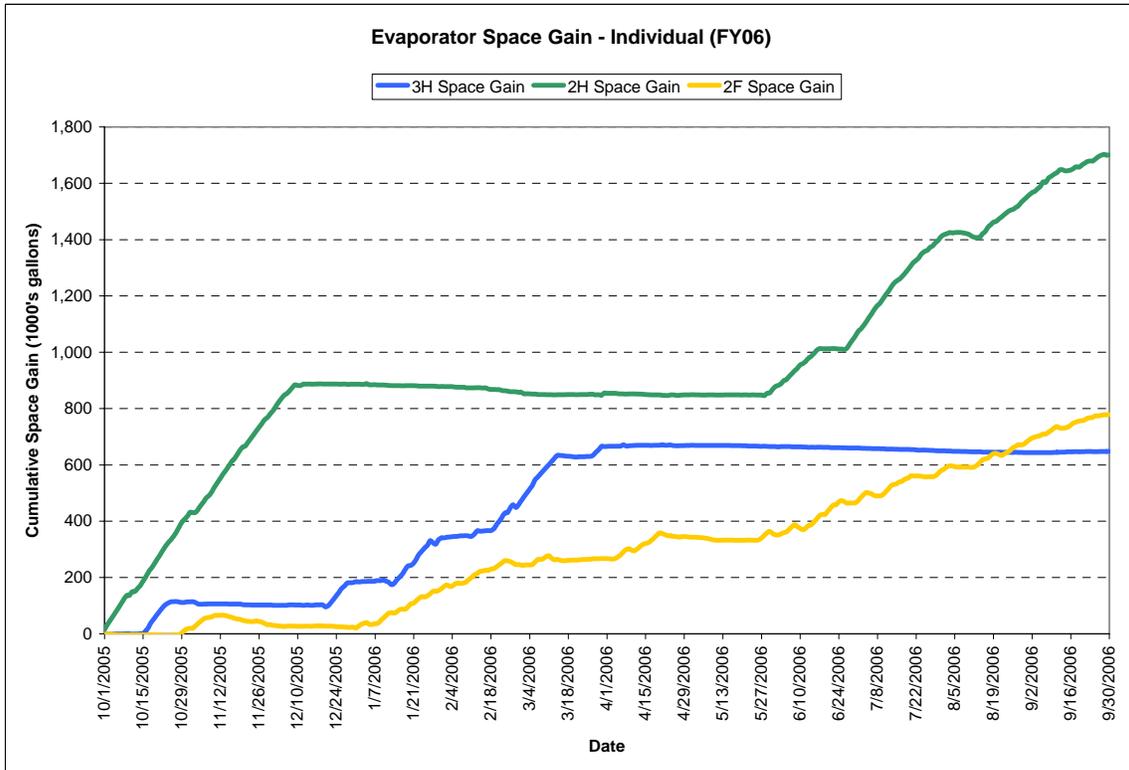
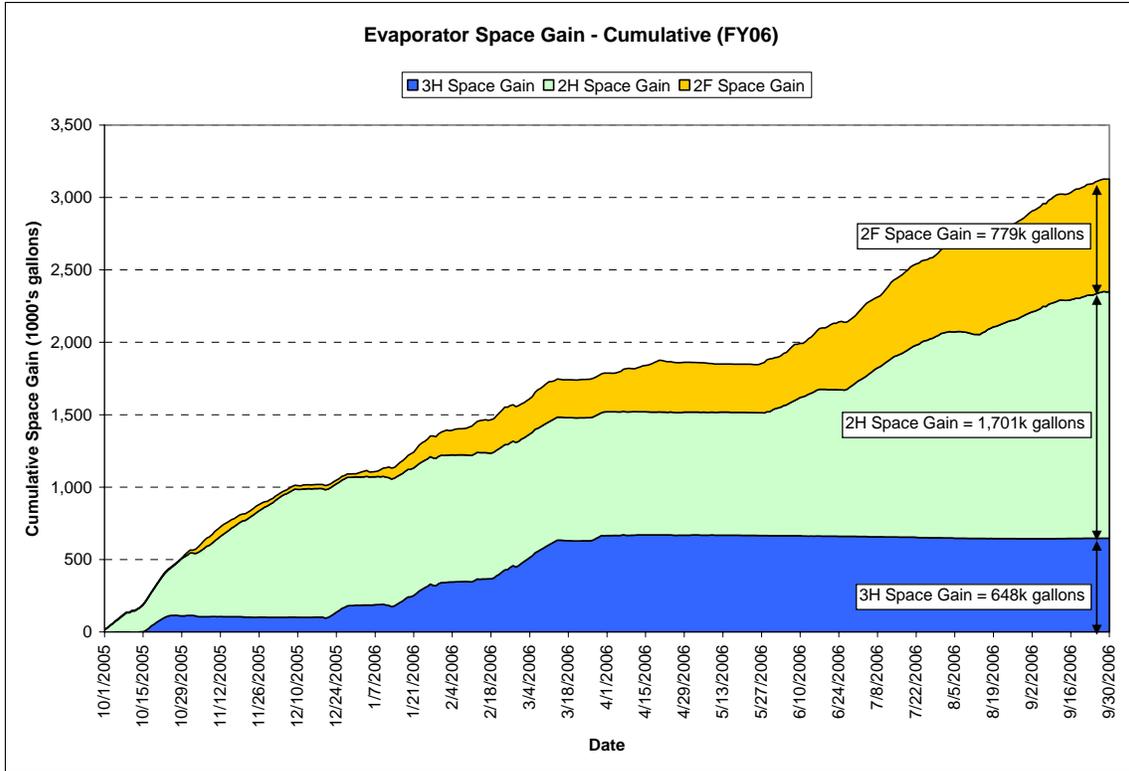
The 2H evaporator ran well during FY06Q1 but was shut down due to a NaOH chemical cleaning outage beginning in December of 2005. The outage lasted through, effectively, all of FY06Q2 and ended near the end of FY06Q3. The system came out of the outage for one day during this time then went back down for a Documented Safety Analysis (DSA) and a Potential Inadequacy to Safety Analysis (PISA) concerns associated with the feed pumps to the evaporator. The 2H evaporator also saw an outage for mechanical cleaning of the gravity drain line (GDL) during FY06Q3 contributing to its 26% utilization. 2H ran with a relatively high utility during the last quarter with only a short amount of downtime due to GDL cleaning but the space gain was low due to tube bundle scaling. An acid cleaning campaign is planned for early FY07 to remove NaAlSi solids from the pot to improve evaporator performance.

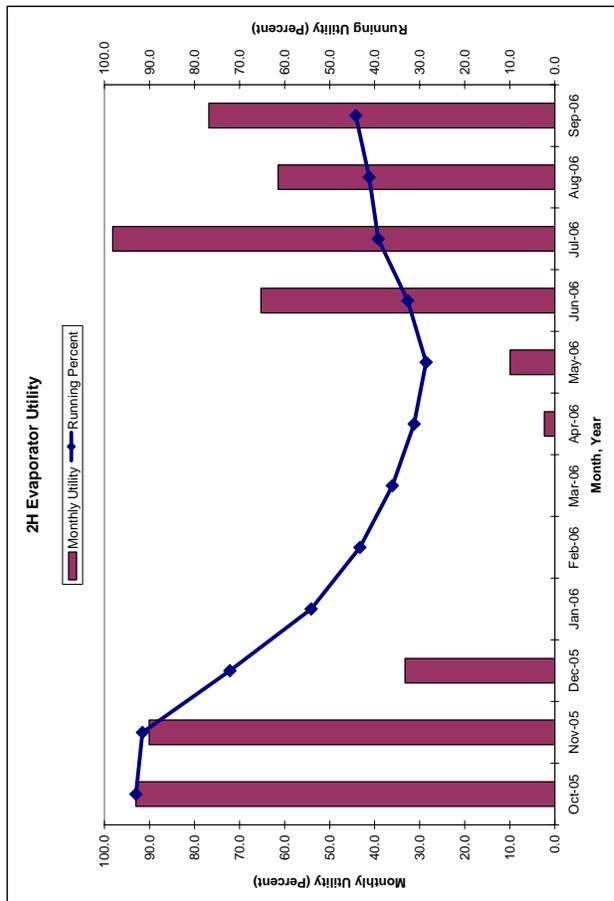
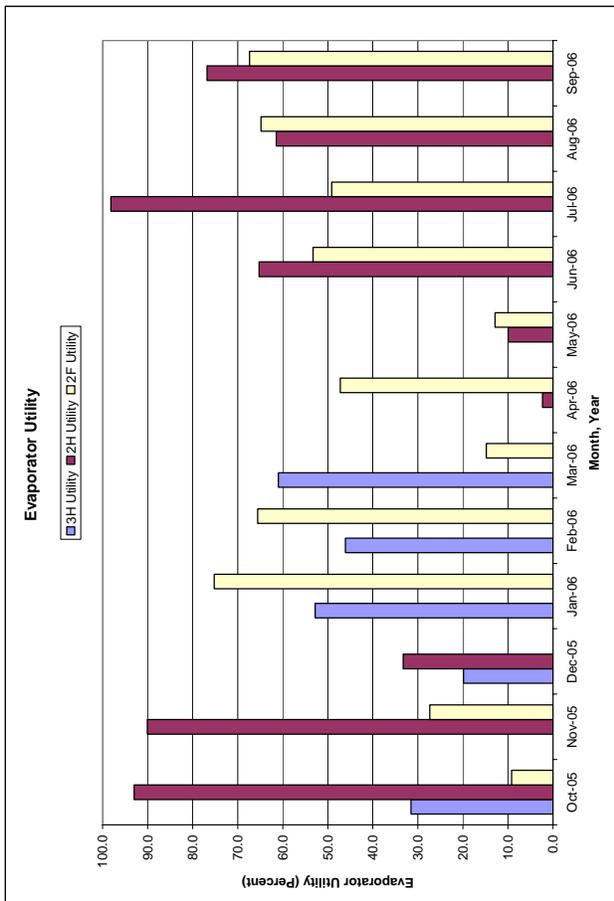
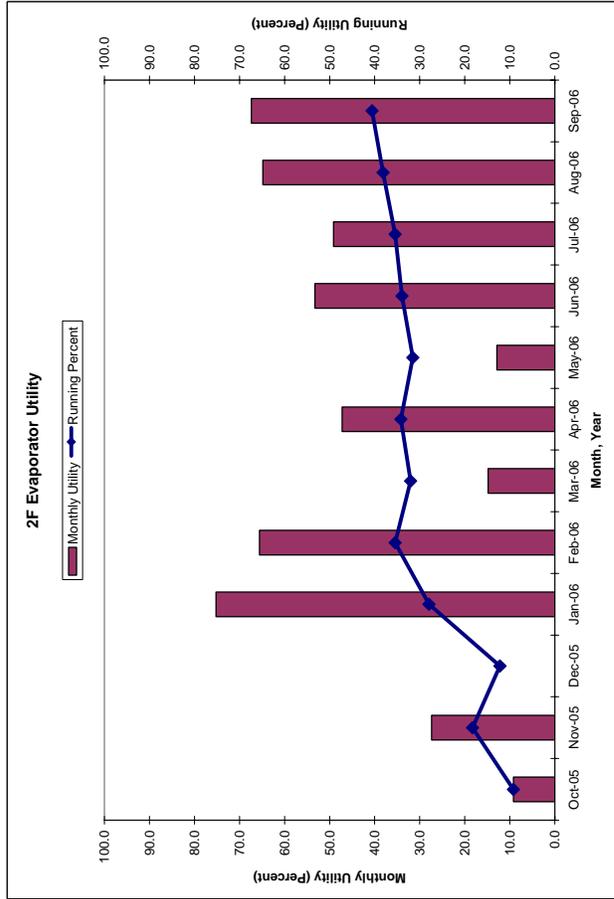
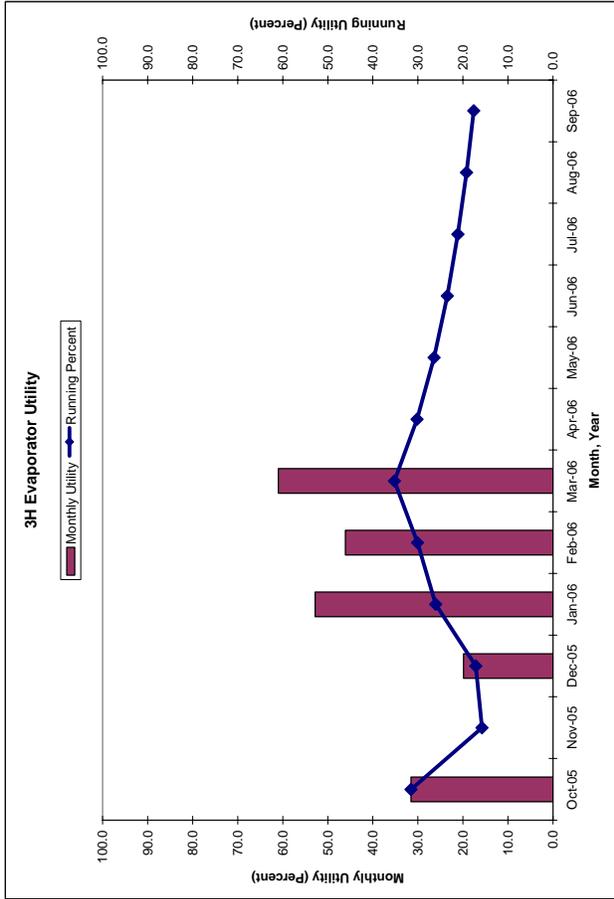
The 2F Evaporator entered FY06 in an outage due to Tank 26 feed pump issues associated with pump priming. The 2F system came online for a short time during FY06Q1 before going down again due to feed pump issues associated with pump priming. Most of the planned outages in FY06Q2 were due to scheduled work on the system including a pot siphon, de-liquoring, and Tank 28 modifications. The third quarter's low utility was due to a feed pump a PISA for less the adequate DSA controls where waste could enter the 2F/2H Evaporator flush water system. The 2F experienced many scheduled outages during FY06Q4, including Tank 44 back flush valve removal and replacement, cooling tower cleaning, Tank 28 salt sampling using the LM75 equipment, and Tank 25/28 Hg modifications.

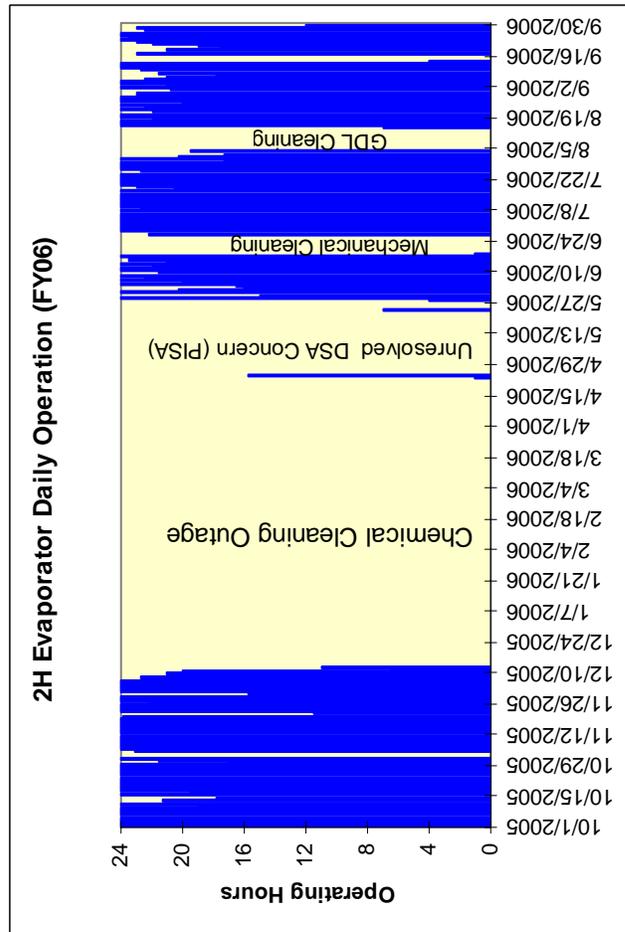
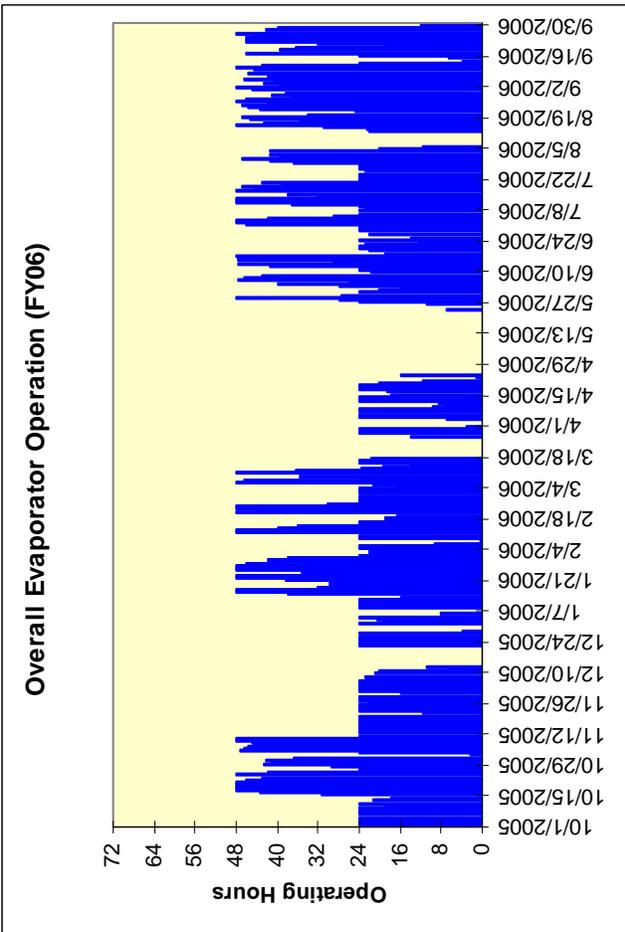
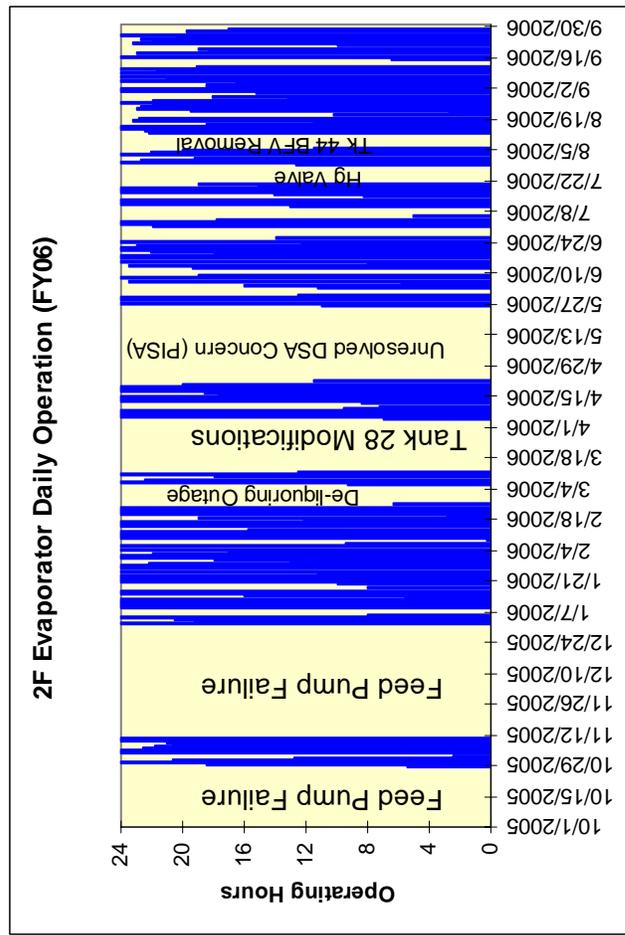
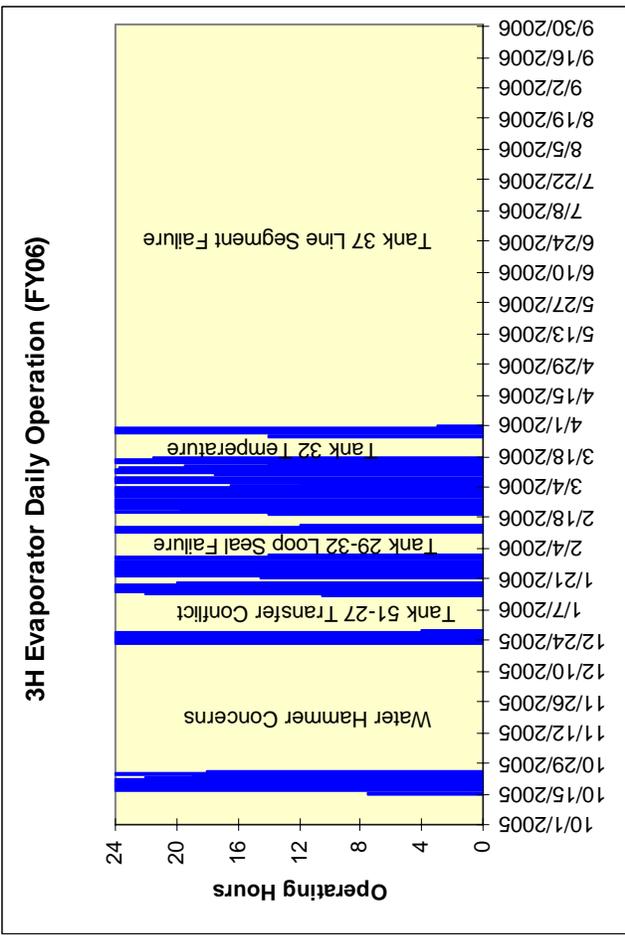
As the graph of the total waste volume shows, the total volume of the tank farms decreased during FY06Q1. During this time, the total volume of waste decreased from 36,591,000 gallons to 35,987,000 gallons which was the lowest total volume seen during FY06. This volume was reached on December 10, 2005. The trend after that point was an increase in volume reaching a high point of 36,880,000 gallons on June 24, 2006. The waste volume had a decreasing trend ending at a volume of 36,490,000 gallons for FY06. Below is a total volume material balance outlining the changes observed in the total volume of tank farm waste.

Actual Total Volume (9/30/05)			36,619,000 gallons
Total Influent (see page 99 and 101 for more details)		2,172,000 gallons	38,791,000 gallons
Effluents	2F Space Recovery	778,600 gallons	
	2H Space Recovery	1,700,900 gallons	
	3H Space Recovery	648,100 gallons	
	Tk 40 - LPPP	236,800 gallons	
	Total Effluents	3,364,400 gallons	35,372,800 gallons
Miscellaneous Additions	Jet Dilution (Tank to Tank Transfers)	721,000 gallons	
	IW to Tank 1	5,900 gallons	
	IW to Tank 5	141,200 gallons	
	IW to Tk37	70,400 gallons	
	IW to Tk51	558,100 gallons	
	NaNO2 to Tank 51	20,100 gallons	
	Total Misc. Additions	1,516,700 gallons	36,889,500 gallons
Reel Tape Verifications	Tk 15 Verification	-24,800 gallons	
	Tk 36 Verification	-24,000 gallons	
	Total Standardizations	-28,800 gallons	36,860,700 gallons
Actual Total Volume (9/30/05)			36,517,000 gallons
<i>Variation</i>			<i>343,700 gallons</i>









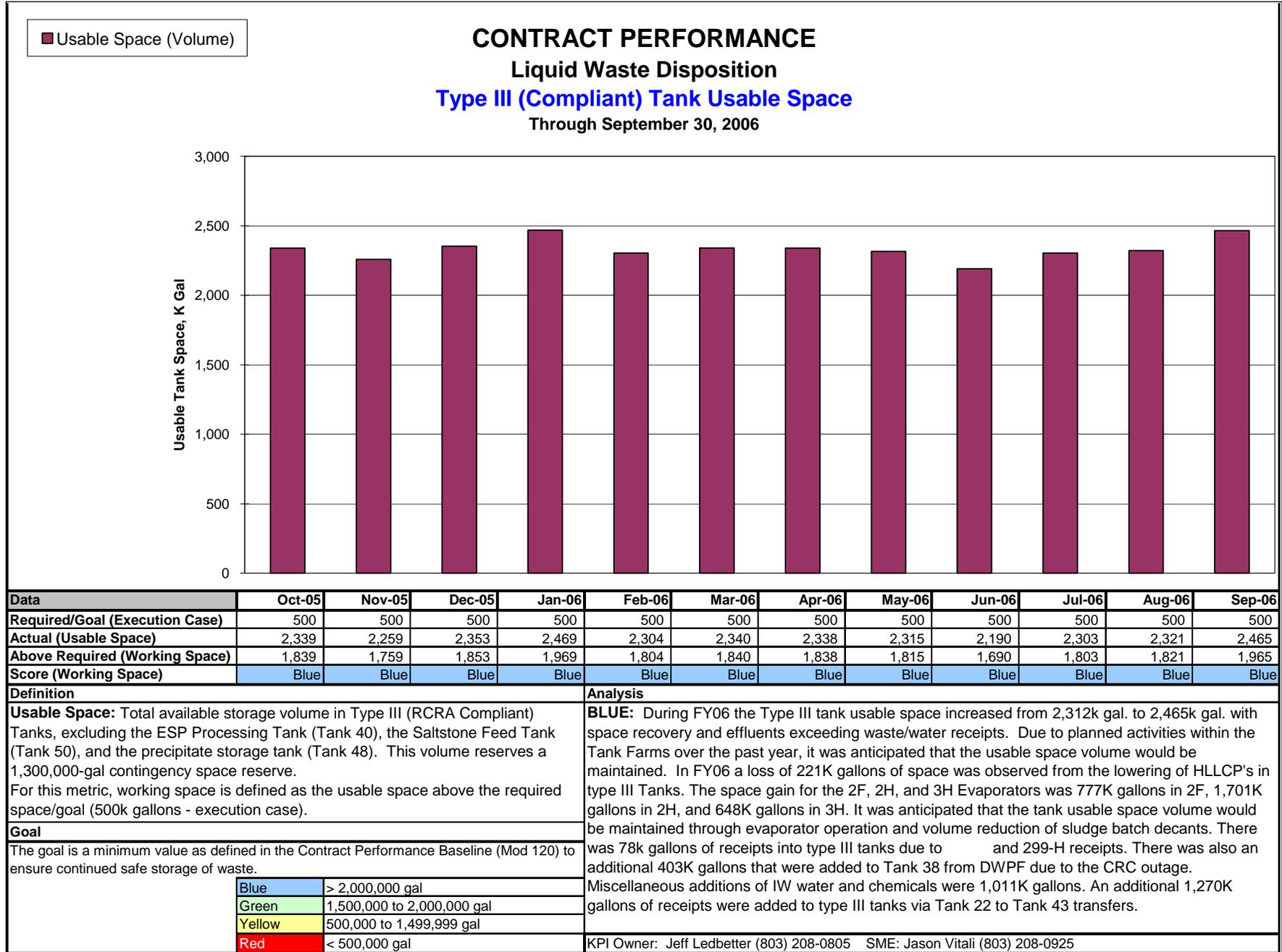
1.2 Overall Evaporator Performance: Type III Tank Usable Space

The following section summarizes the Type III tank usable space. Type III tank usable space is defined as the space between the HLLCP set point minus the actual tank waste level in Tanks 25 through 51 (except Tanks 40, 48, and 50). Tanks 40 and 50 are not included in the Type III usable space because they are the feed tanks for DWPF and Salt stone, respectively. Tank 48 is not included in the analysis because of organic disposition requirements.

The volume of Type III tank usable space increased from 2,312,000 gallons to 2,465,000 gallons during FY06. A space material balance accounting for this increase can be found below.

Type III Space Material Balance	
Space Recovery / Effluents	
2F Space Recovery	778,600 gallons
2H Space Recovery	1,700,900 gallons
3H Space Recovery	648,100 gallons
Total Space Recovery / Effluents	3,127,600 gallons
Influents / Waste Receipts	
Tank 22 – 43 Transfers	1,270,000 gallons
H-Canyon Receipts	69,400 gallons
Lowering Tank 42 HLLCP	42,100 gallons
Lowering Tank 51 HLLCP	196,600 gallons
DWPF – Tank 38 Transfers	402,600 gallons
NaNO ₂ – Tank 51	20,100 gallons
IW – Tank 51	588,100 gallons
IW – Tank 37	70,400 gallons
* Miscellaneous	315,300 gallons
Total Influents / Waste Receipts	2,974,600 gallons
Increase in Tank Usable Space	153,000 gallons

* The miscellaneous influents and waste receipts can be attributed to normal fluctuations in tank reel tapes, flush water additions to the tanks, jet dilution added during transfers, and chemical additions to the Tanks.



2.

Waste

Space

Management

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2.1 Waste Space Management: 2F Evaporator System

Tank 26

Service: 2F Evaporator Feed Tank
Type: IIIA
Maximum Volume: 1,203,930 gallons
Working Volume: 824,850 gallons
Prime Movers: Fixed Length Jet (108")
Fixed Length Evaporator Feed Pump (161")

Tank 27

Service: 2F Evaporator Concentrate Receiver Tank
Type: IIIA
Maximum Volume: 1,253,070 gallons
Working Volume: 315,900 gallons
Prime Movers: Telescoping Transfer Jet (267")
(Range: 155.5" – 267")

Discussions:

The 2F evaporator was forced into various outages due to equipment failures equaling approximately 2074 hours. The 2F system had a total operating utility of 40.3% while achieving 777,000 gallons of space recovery. Other downtime issues were due to a de-liquoring outage, Hg valve repairs, and Tank 44 back flush valve removal for a total FY06 downtime of 5232 hours. The 2F system ran at a utility of 52% during FY06Q2 and a 60% utility in FY06Q4.

In FY06Q1 the 2F evaporator system was shut down due to a feed pump failure. After a short run at the beginning of November 2005 the 2F was again shut down for the feed pump failing to prime. This issue was resolved in FY06Q2 and the 2F was restarted achieving an average utility of 52% and a space recovery of 246,000 gallons.

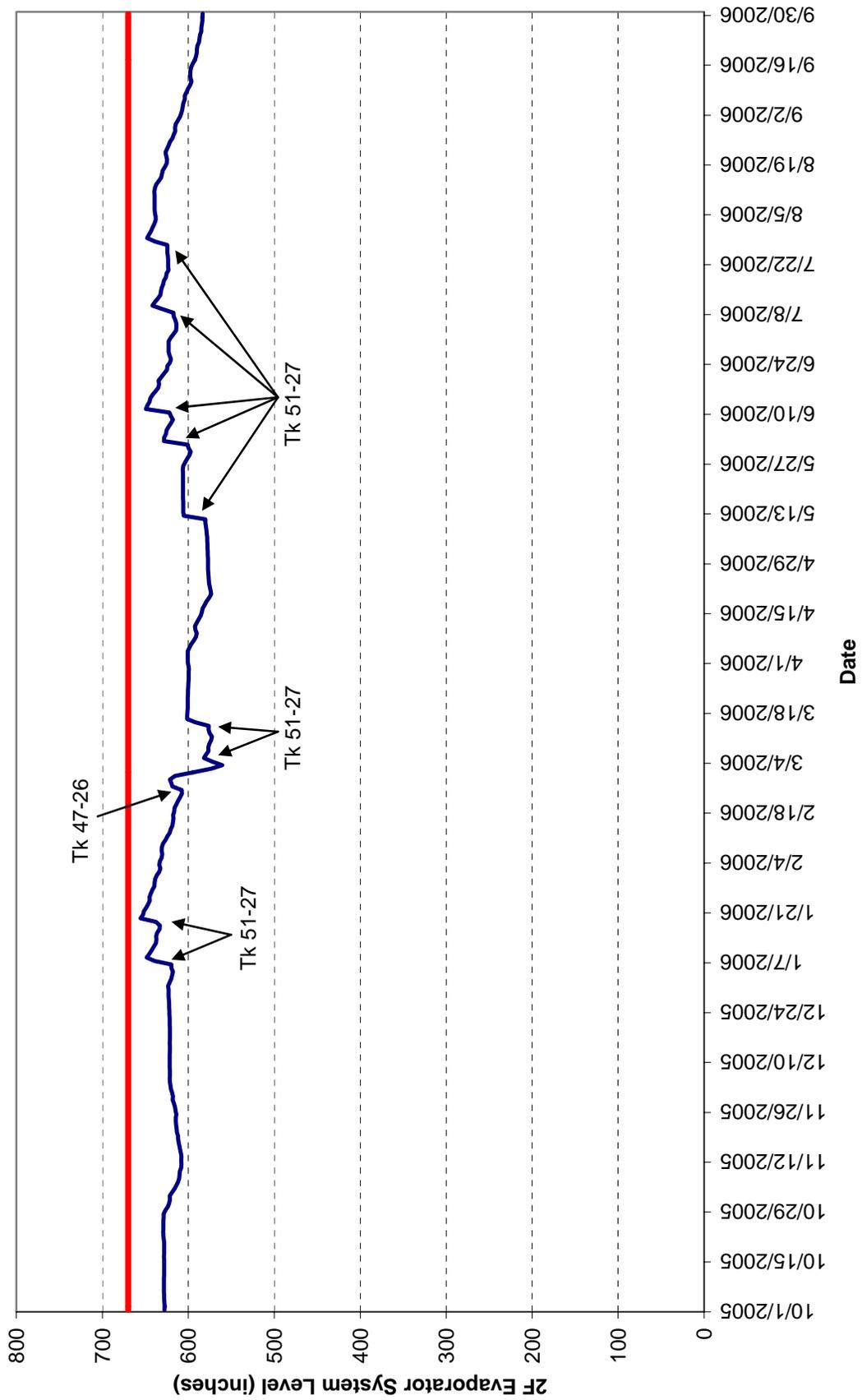
The 2F system was shut down at the end of FY06Q2 for a de-liquoring campaign. The de-liquoring was performed due to a high supernate concentration. A series of Tank 26-33 transfers, approximately 220,000 gallons, were performed in order to de-liquor the 2F Evaporator. This de-liquoring was done to prepare the 2F Evaporator for the Sludge Batch 4 decants from Tank 51. The system was restarted for one week before an outage for Tank 28 modifications was started at the end of FY06Q2.

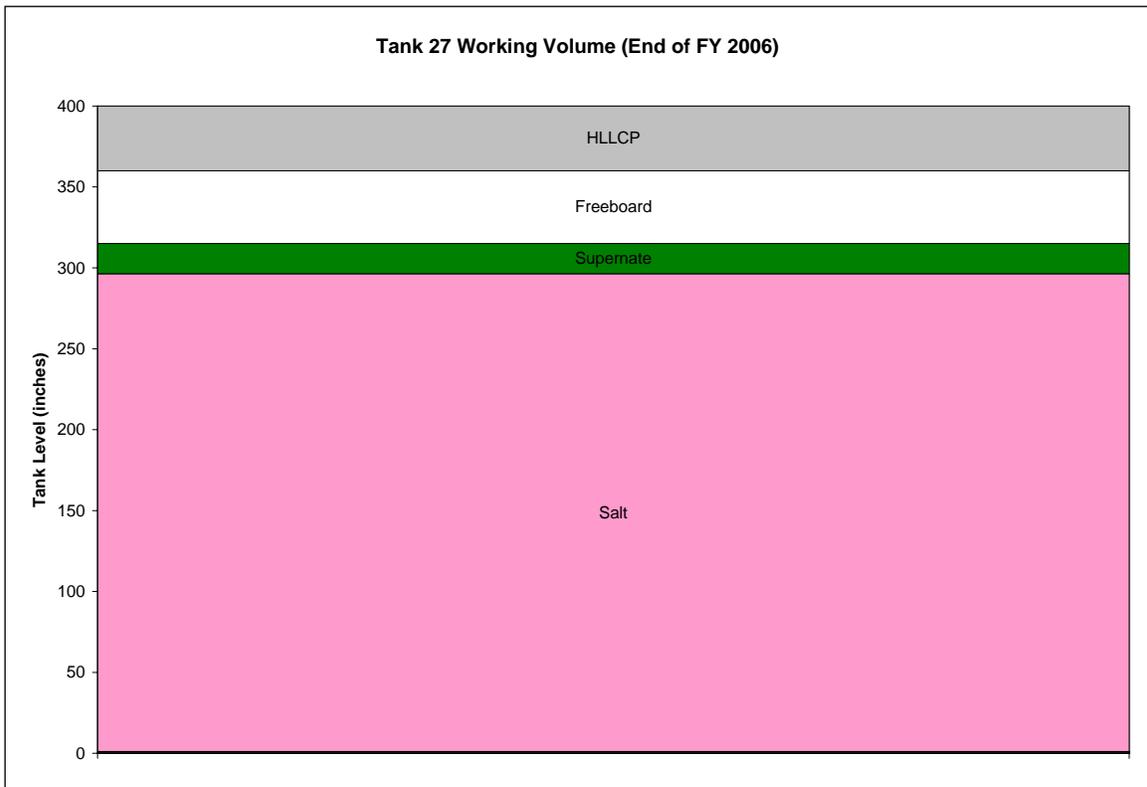
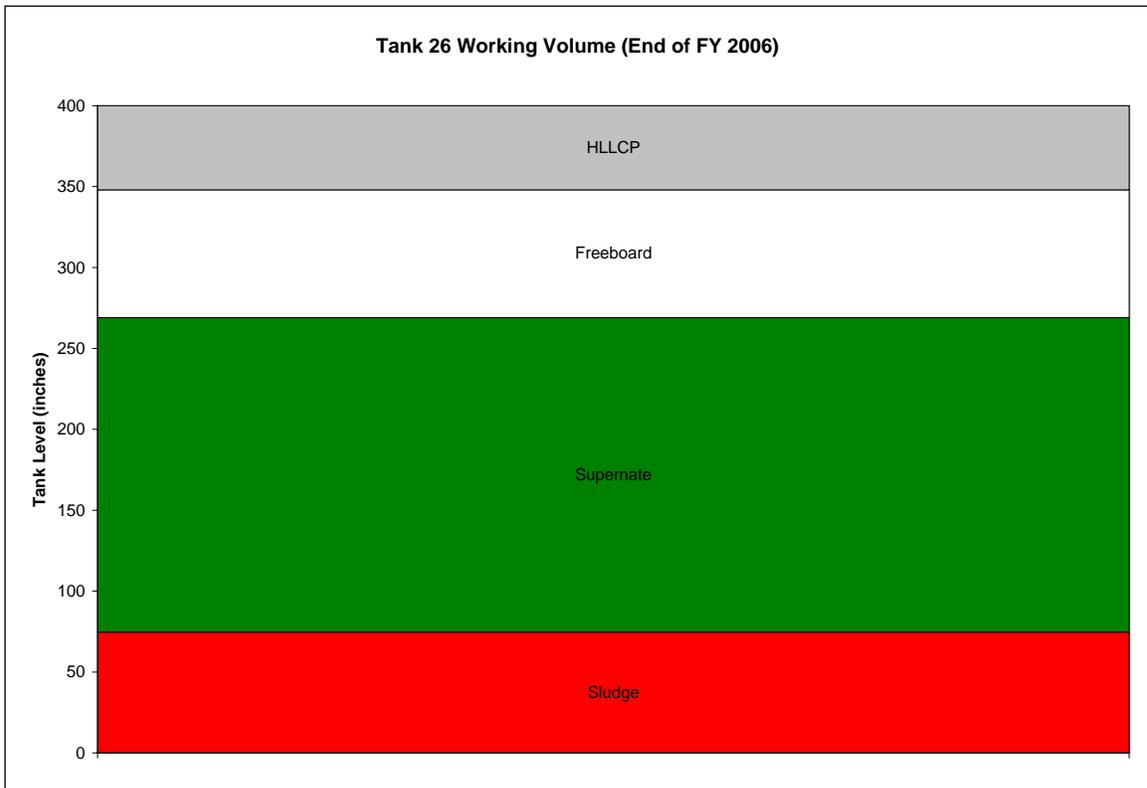
In FY06Q3 the 2H system was shut down due to feed pump PISA issues and was restarted on May 26, 2006. The system then ran moderately well, 38% utility and 207,000 gallons of space recovery, but was shut down twice because of transfer conflicts, a Tank 27-26 recycle transfer to set-up the system for a Tank 51-27 decant and the decant transfer between Tank 51 and Tank 27, before a short Hg valve repair outage in the beginning of FY06Q4. The 2F was also shut down in Q4 for a Tank 44 back flush valve

removal and replacement. FY06Q4 saw the highest utility for the 2F system at 60% and 305,000 gallons of space recovery.

While running, the 2F evaporator was successful in meeting various programmatic objectives including volume reducing 765,000 gallons of Tk51 decants. These decants were from the washing of SB4. The 2F system also reclaimed space to prepare for a Tank 39-26 transfer to support H-Canyon operations.

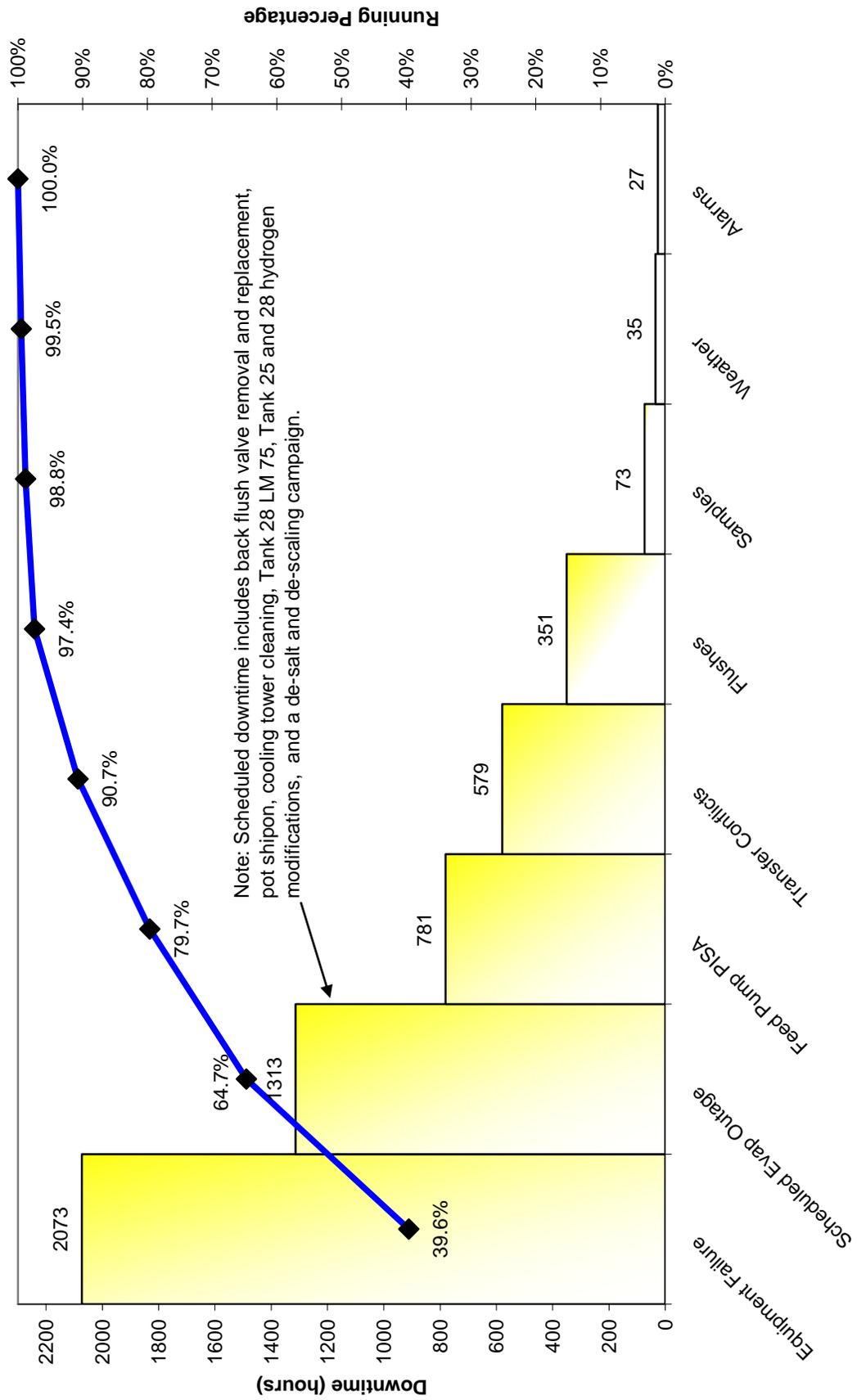
2F Evaporator System Level (Tanks 26 and 27) - FY 2006





Note: Freeboard is the available working space between the highest level of supernate and the High Level Liquid Conductivity Probe (HLLCP)

2F Evaporator Downtime



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2.2 Waste Space Management: 2H Evaporator System

Tank 43:

Service: 2H Evaporator Feed Tank
Type: IIIA
Maximum Volume: 1,203,930 gallons
Working Volume: 866,970 gallons
Prime Movers: Fixed Length Jet (96")
Fixed Length Evaporator Feed Pump (100")

Tank 38:

Service: 2H Evaporator Concentrate Receiver Tank
Type: IIIA
Maximum Volume: 1,270,620 gallons
Working Volume: 400,140 gallons
Prime Movers: Fixed Length Jet (248")

Discussion:

The 2H evaporator system ran at approximately 44% utility during FY06. This low utility was due to four mechanical cleaning campaigns, one NaOH chemical cleaning campaign, a failure of the Tank 43 purge ventilation system, a failure of the PA supply line to the 2H tube bundle, and the resolution of a Potential Inadequacy in the Safety Analyses (PISA). While only having a 44% utility the 2H system managed to achieve 1,700,000 gallons of space recovery while receiving 1,800,000 gallons of DWPF recycle waste. The 2H system saw its highest utility to date during FY06Q1 at 92% with a 423,000 gallons space recovery.

In FY06Q1 the 74H control room was consolidated with the 3H control room. During this time no fresh feed transfers could be completed (Tank 22-43). During this time only recycle transfers were completed causing the 2H system to see the highest waste concentrations since a de-liquoring campaign was performed in FY05. High waste concentrations greatly reduce the ability of the Evaporator system to efficiently volume reduce waste receipts. The control room consolidation was completed December 10, 2005.

The 2H Evaporator was shutdown after contamination was discovered downstream of the Tank 43 purge ventilation HEPA filters and was scheduled to remain down until the beginning of FY06Q3. Due to a PISA associated with the feed pump, the 2H Evaporator remained down until May 22, 2006. The 2H was shutdown and restarted 12 times due to various problems with lift performance and pluggage problems. The 2H system was forced into a mechanical cleaning outage in FY06Q3 to clean the separator pot and Tank 38 GDL.

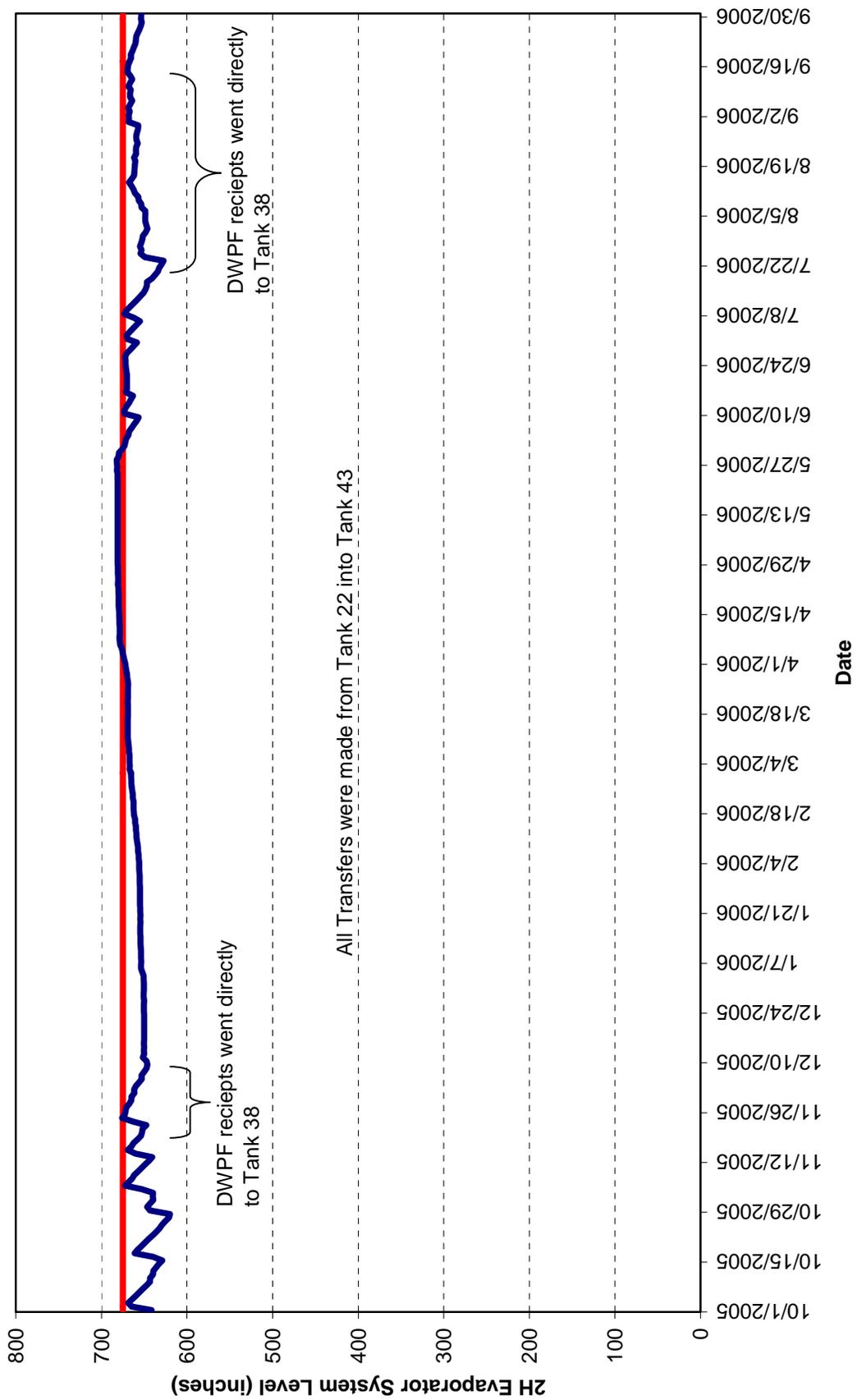
In FY06Q4, the 2H Evaporator operated at high utility with decreasing space gain rates. Operation of the 2H Evaporator could not be sustained at maximum steam flow rates to

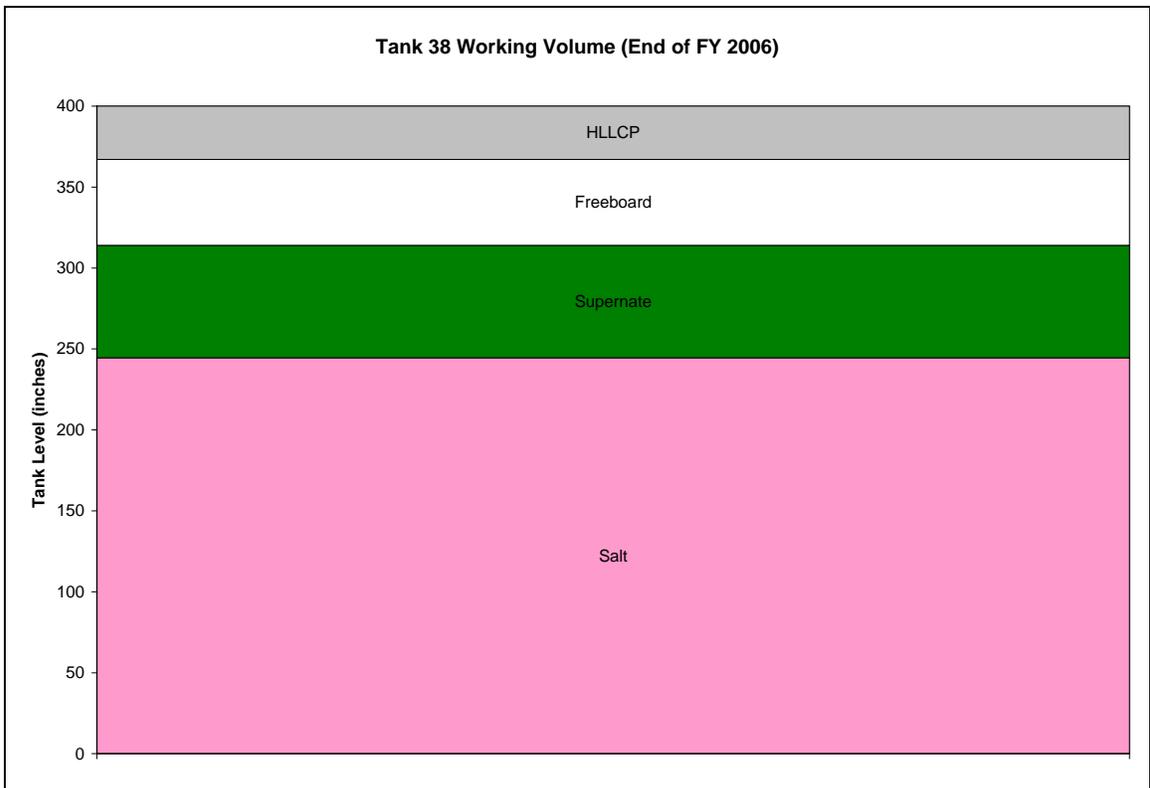
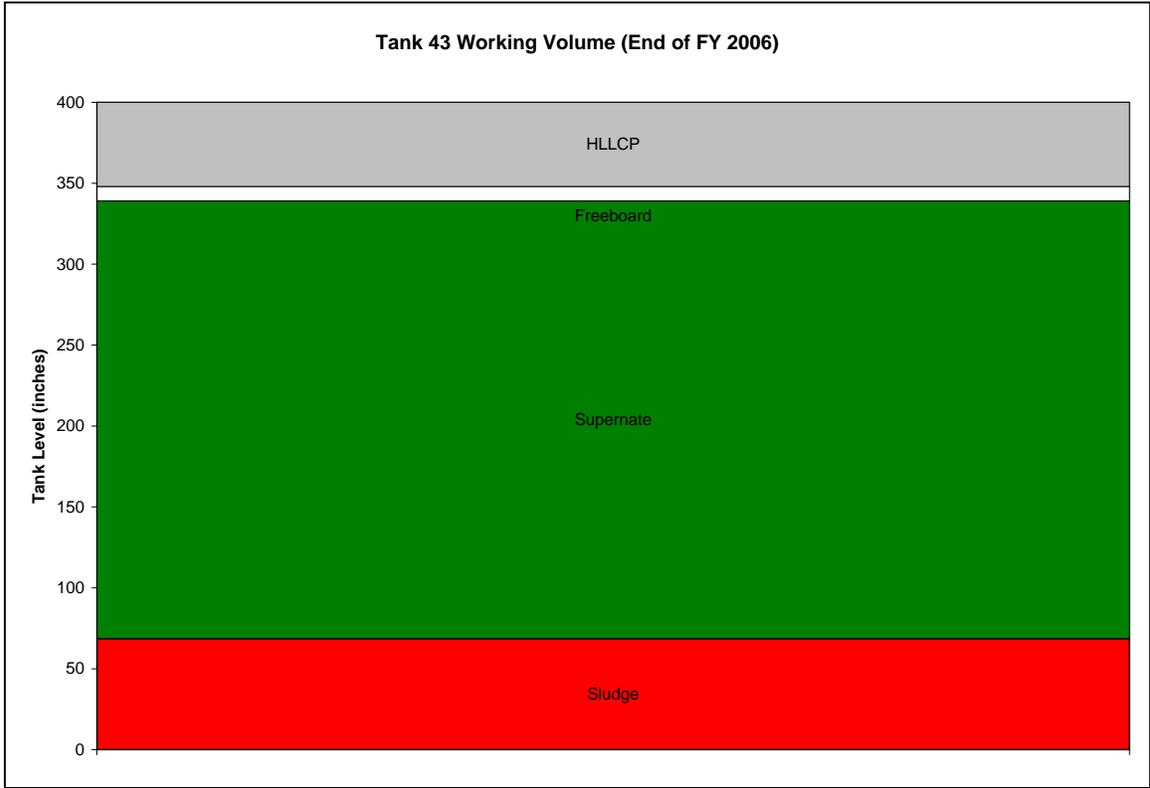
the tube bundle (i.e. 8,000 lbm/hr) without experiencing lift control problems. A short de-salt and de-scale campaign was performed. After one more mechanical cleaning in FY06Q4 the 2H system was restarted. Although the 2H system ran with a high utility during the last part of FY06Q4 the system experienced decreasing space gain rates due to less than maximum achievable steam flow rates ~3,500 lbm/hr.

In FY06Q4 the 1H control room was consolidated with the 3H control room. During this time all DWPF recycle material had to be received directly into Tank 38 due to the lack of a high level alarm in Tanks 21/22. The total received was ~311,000 gallons. Only one fresh feed transfer from Tank 22 could be performed due to poor space gain. The control room consolidation was completed on September 15, 2006.

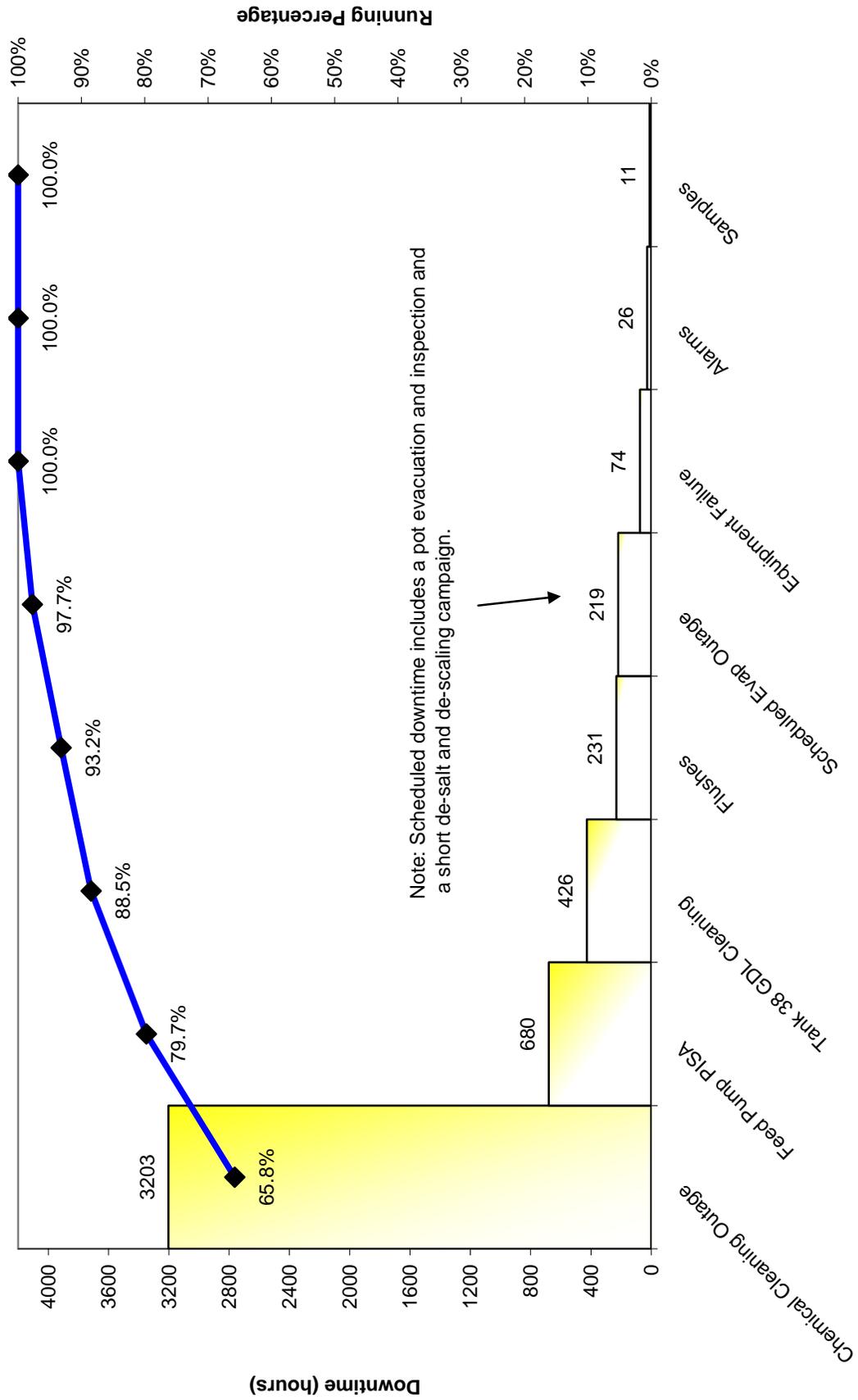
At the end of FY06Q4 the 2H Evaporator was shutdown for a pot evacuation and inspection. The maximum observed siphon rate was 11 gpm and the volume of solids inside the 2H vessel was conservatively estimated to be 196 gallons. According to the Safety Authorization Basis operation of the evaporator system is not allowed with solid levels greater than 200 gallons and was subsequently shut down. The 2H system managed to gain sufficient space to support another outage which would start in FY07Q1 including chemical cleaning of the 2H pot with nitric acid and another mechanical cleaning campaign of the 2H separator pot, 2H lift line, and Tank 38 GDL.

2H Evaporator System Level (Tanks 38 and 43) - FY 2006





2H Evaporator Downtime



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2.3 Waste Space Management: 3H Evaporator System

Tank 32:

Service: 3H Evaporator Feed Tank
Type: IIIA
Maximum Volume: 968,760 gallons
Working Volume: 656,370 gallons
Prime Movers: Fixed Length Jet (60'')*, Fixed Length Pump (89'')
* SW11.1-WTE, Sec 7.2, Rev 18 states an unknown height for this prime mover. The last known recorded height was 60'' (SW11.1-WTE, Sec 7.2, Rev 9).

Tank 37:

Service: 3H Evaporator Concentrate Receiver Tank
Type: IIIA
Maximum Volume: 1,270,620 gallons
Working Volume: 547,560 gallons
Prime Movers: Telescoping Transfer Jet (206'')
(Range: 155.5'' – 267'')

Discussion:

During FY06, the operation of the 3H Evaporator was limited due to equipment failures and emergent work. The 3H Evaporator has been shutdown continually since FY06Q3 due to the failure of the secondary containment between HDB6 and Tank 37 and the inability to perform Tank 37-32 recycle transfers. The 3H Evaporator is not scheduled to restart until a new transfer line is installed FY07Q2.

During the year, the 3H Evaporator received three transfers, approximately 429,000 gallons, of 2F Evaporator liquor from Tank 34 and one transfer, approximately 193,000 gallons, of 2F Evaporator liquor from Tank 33. The higher operating steam flows and temperatures allow the 3H Evaporator to volume reduce 2F liquor by an additional 20%. These transfers were required in order to create Tank 33 space to support the de-liquoring of the 2F Evaporator and prepare the 2F for the processing of Sludge Batch 4 decants. The transfers also created Tank 34 space to allow interstitial liquid draining from Tank 25 to Tank 34 in FY07, and created Tank 34 space to allow future de-liquoring of the 3H Evaporator. A Tank 42-34 transfer, approximately 570,000 gallons, was performed to create de-liquoring space for the 3H Evaporator to de-liquor in FY07.

The 3H Evaporator was down in FY05Q4 through FY06Q1 for a Tank 37 to Tank 35 salt removal campaign. A total of 55" of salt were dissolved and removed from Tank 37. A salt removal campaign was initiated during FY05 and completed in FY06. During the salt removal approximately 67,000 gallons of salt solution was transferred to Tank 35 over twenty four Tank 37-35 transfers. Based on the average initial and final salt sounding measurements, approximately 55" of salt was removed from Tank 37.

The 3H Evaporator was shutdown in FY06Q1 for installation of several modifications: removal of caisson from Tank 37 which was used during the salt removal campaign, modifications were installed downstream of the 3H Evaporator flash tank pumps to

mitigate a potential water hammer associated with starting/stopping pumps, the 74H control room was consolidated with the 3H control room, and a leaking jumper nozzle was repaired at HDB6.

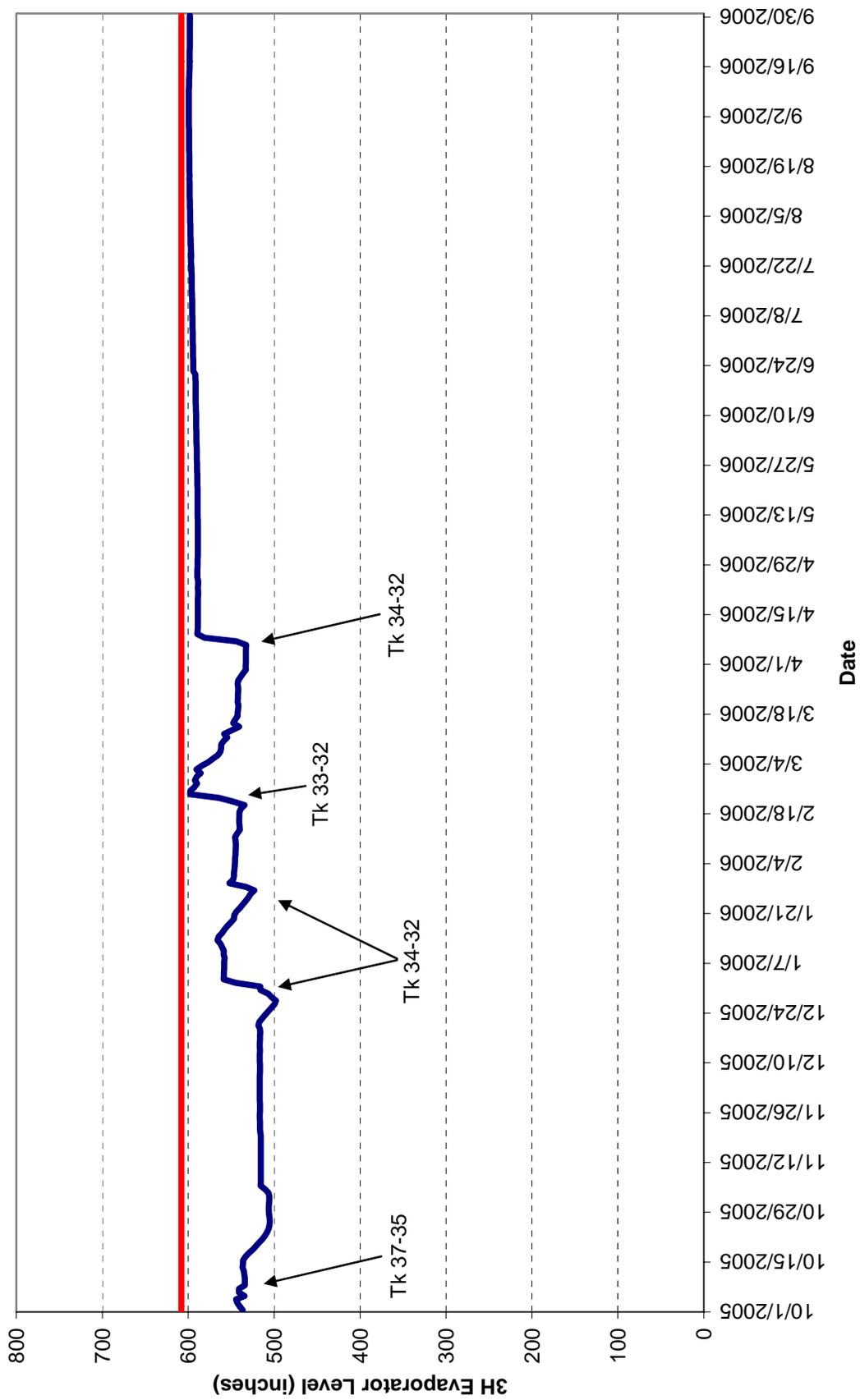
The 3H Evaporator was shutdown at the end of FY06Q1 until early FY06Q2 to perform the following: troubleshoot the flash tank modifications, repair leaking waste transfer valves at HDB5, and troubleshoot spurious interlock trips associated with FPT1 transfer pump. The FPT1 transfer pump was a prime mover involving the transfers from Tanks 33/34. Without the transfers from the F Tank Farm the 3H Evaporator would run out of fresh feed so the FPT1 is integral in keeping 3H operational.

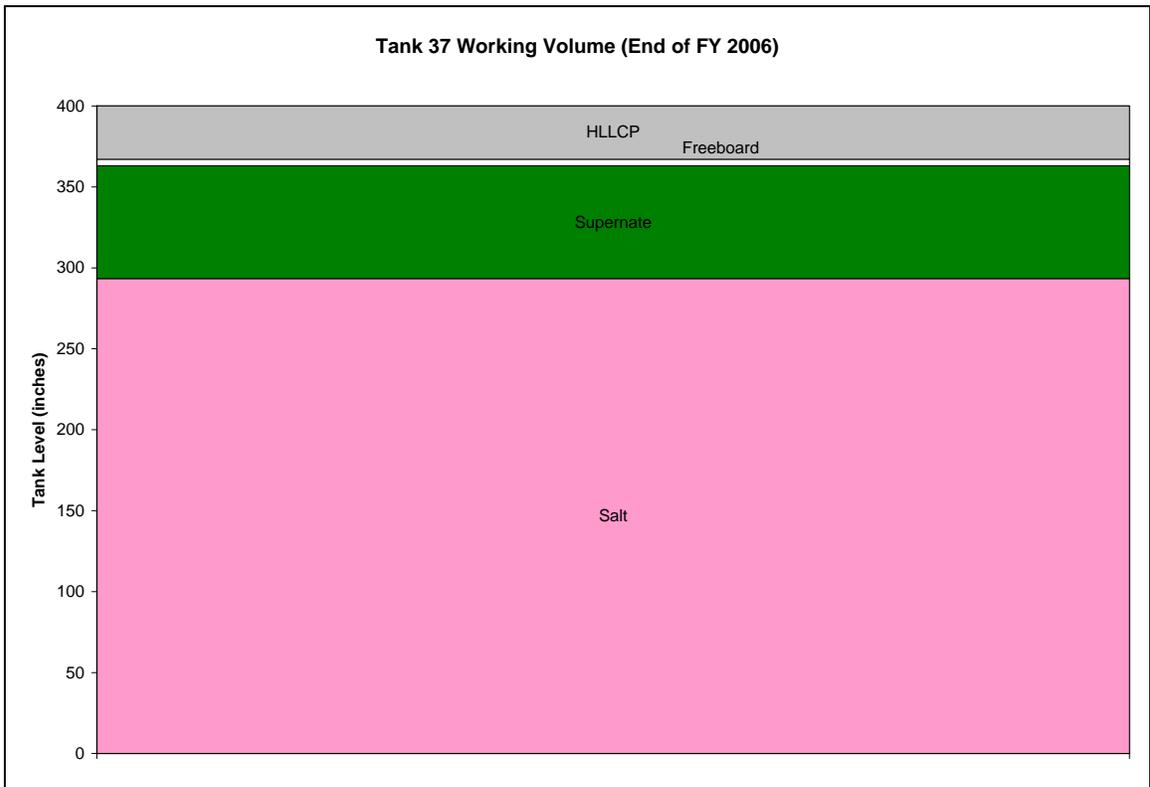
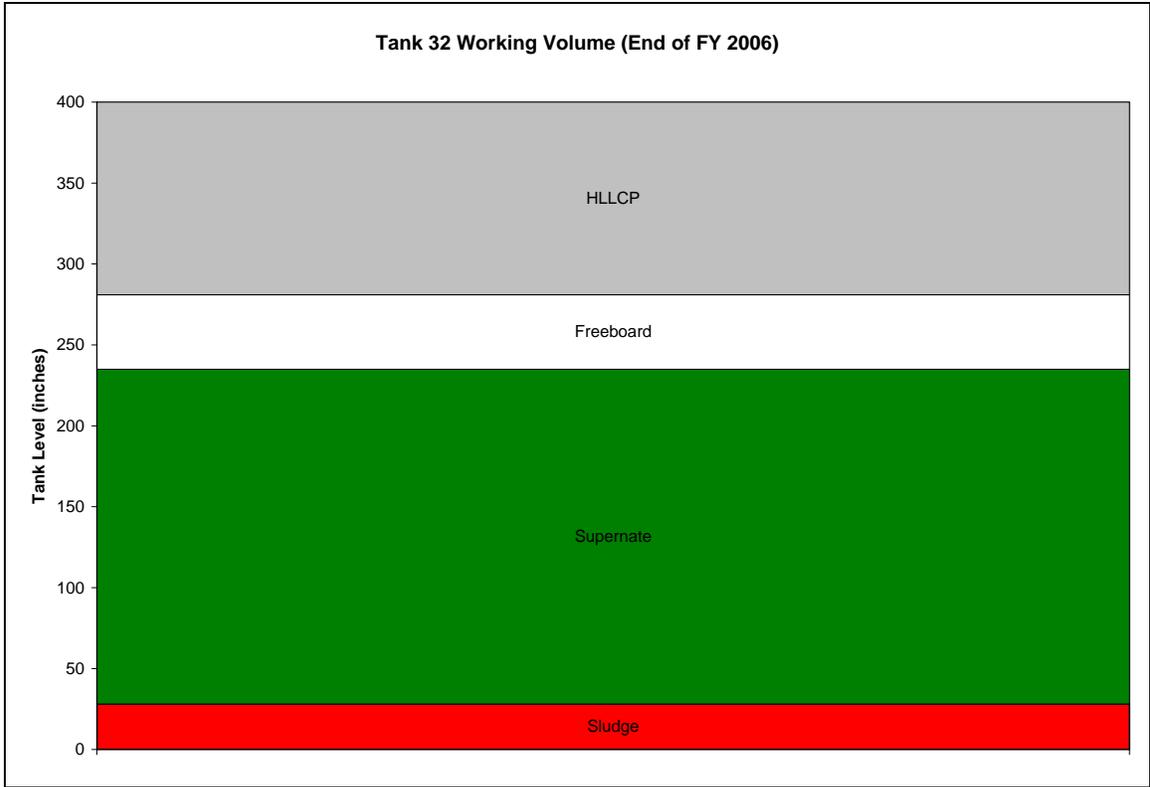
The 3H Evaporator was shutdown in FY06Q2 for installation of modifications on all Type III waste tank purge ventilation systems after an NCR condition was found at Tank 34.

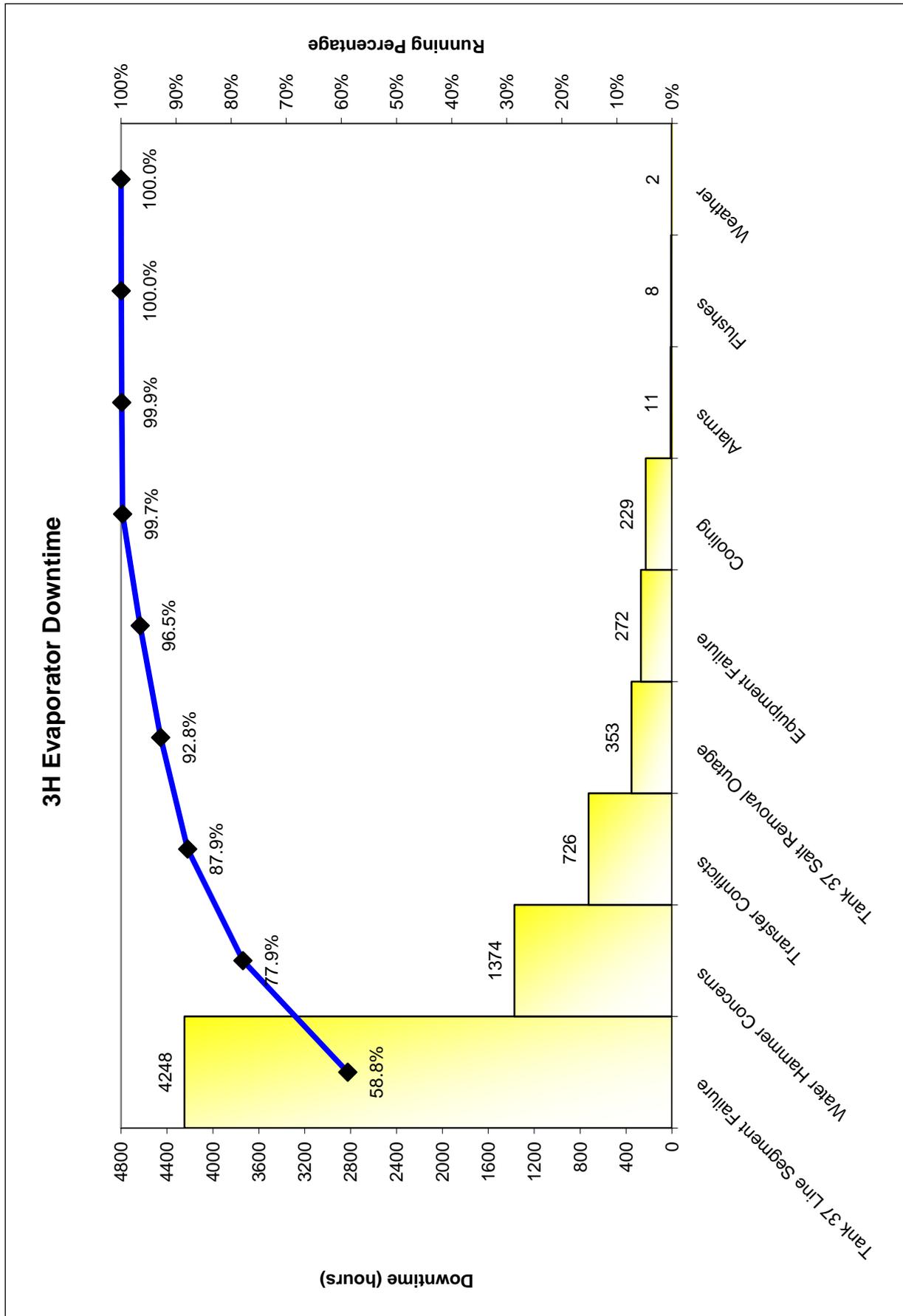
The 3H Evaporator was shutdown between 2/14/06 and 2/19/06 to repair a leak on the ETP process sewer line at the tie-in location (i.e. manhole) downstream of the 3H Evaporator overhead collection tanks.

The 3H Evaporator was shutdown between 3/17/06 and 3/27/06 in response to approaching the high operating temperature limits inside Tank 32. After operating for approximately 30 days at very high utility, the sensible heat addition associated with recycling hot concentrate from Tank 37 into Tank 32 caused an expected temperature increase.

3H Evaporator System Level (Tanks 32 and 37) - FY 2006







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2.4 Tank Space Management: Type I Tanks

The following section describes in detail the use of all Type I waste tanks. Type I waste tanks consist of Tanks 1-8 located within FTF and Tanks 9-12 within HTF. A detailed summary graph (top right corner of each individual tank page) is presented to portray the major transfers in and out of the tanks over the past fiscal year.

A summary of the major characteristics of the tanks (service, type, maximum volume, working volume, prime movers, discussion, and comments) can also be found for each individual tank (left side of each individual tank page). This information can be used in correlation with the graphs for more details pertaining to the tanks. The future plans for the tanks are also mentioned in this section of the summary.

A working volume chart can also be found in this section (bottom right corner of each individual tank page). This graph can be used to determine the final levels of all materials within the individual waste tanks at the end of FY06. Sludge, salt, supernate, freeboard, and high liquid level conductivity probe (HLLCP) levels are all found on this graph.

Tank 1:

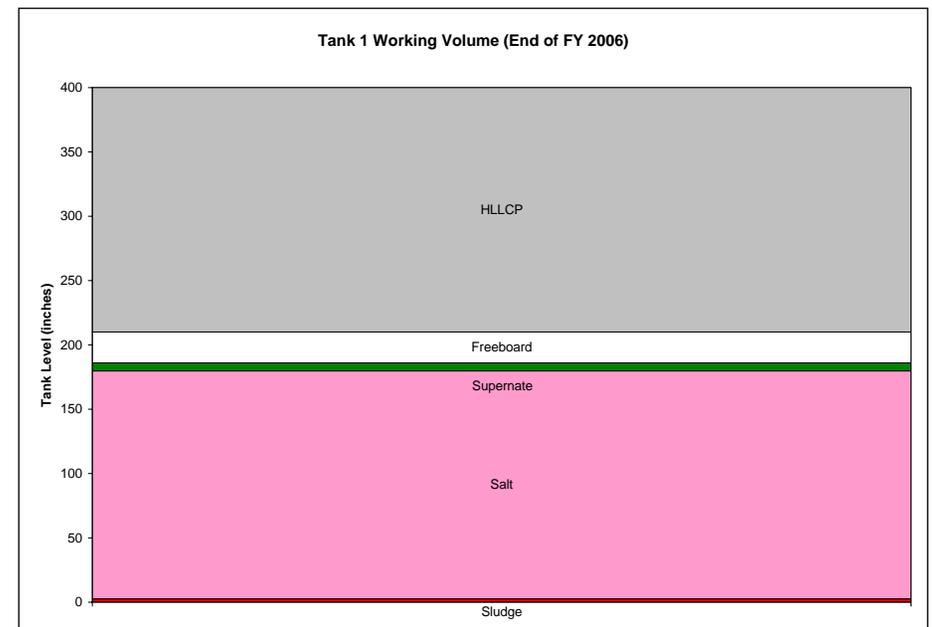
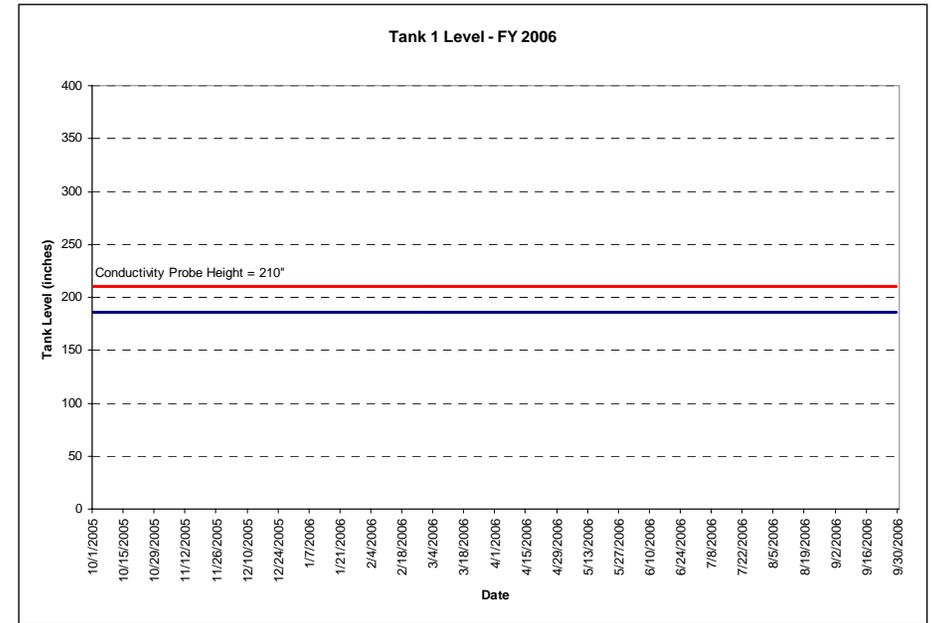
Service: Inactive Waste
Type: I
Maximum Volume: 555,550 gallons
Working Volume: 132,790 gallons
Prime Movers: Fixed Length Jet (156’)

Discussion:

There were no transfers in or out of Tank 1 during FY06. The volume remained approximately 504,000 gallons throughout the year.

Comments:

Tank 1 will be a future salt removal tank.



Tank 2:

Service: Inactive Waste Tank

Type: I

Maximum Volume: 555,550 gallons

Working Volume: 32,520 gallons

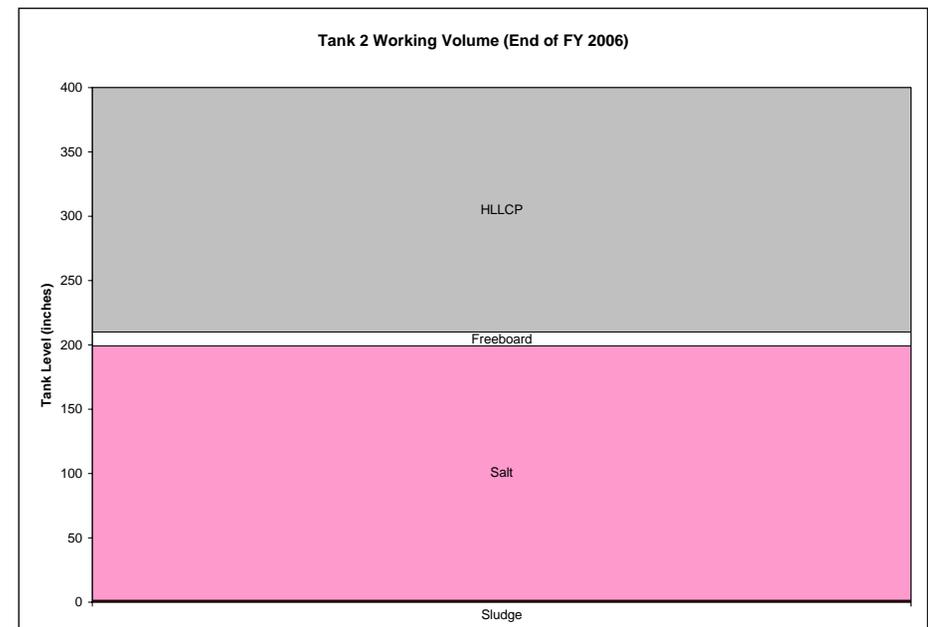
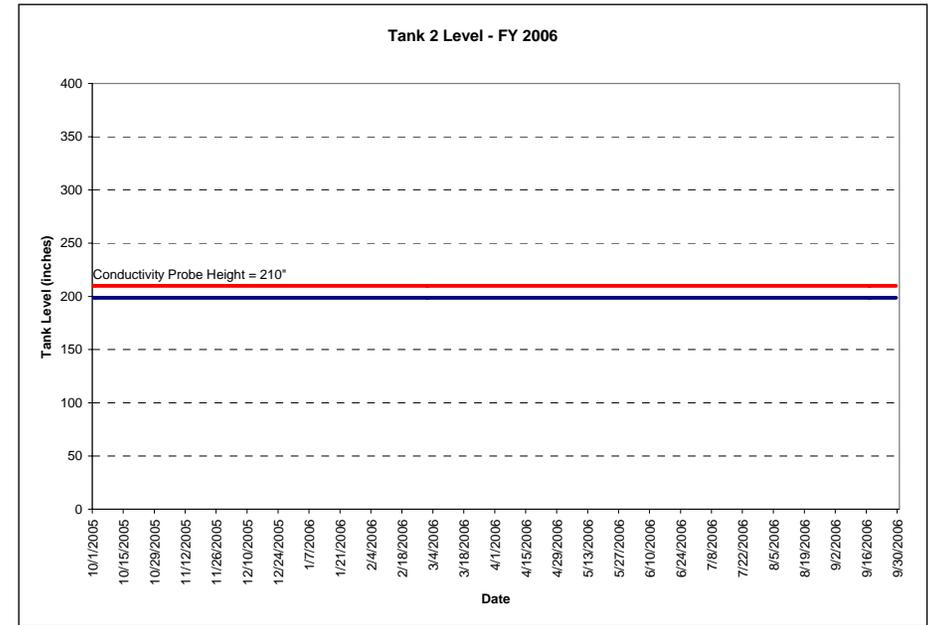
Prime Movers: Fixed Length Jet (193")

Discussion:

There were no transfers in or out of Tank 2 during FY06. The volume remained at approximately 538,000 gallons throughout the year.

Comments:

Tank 2 will be a future salt removal tank.



Tank 3:

Service: Future Salt Removal Tank

Type: I

Maximum Volume: 555,550 gallons

Working Volume: 476,960 gallons

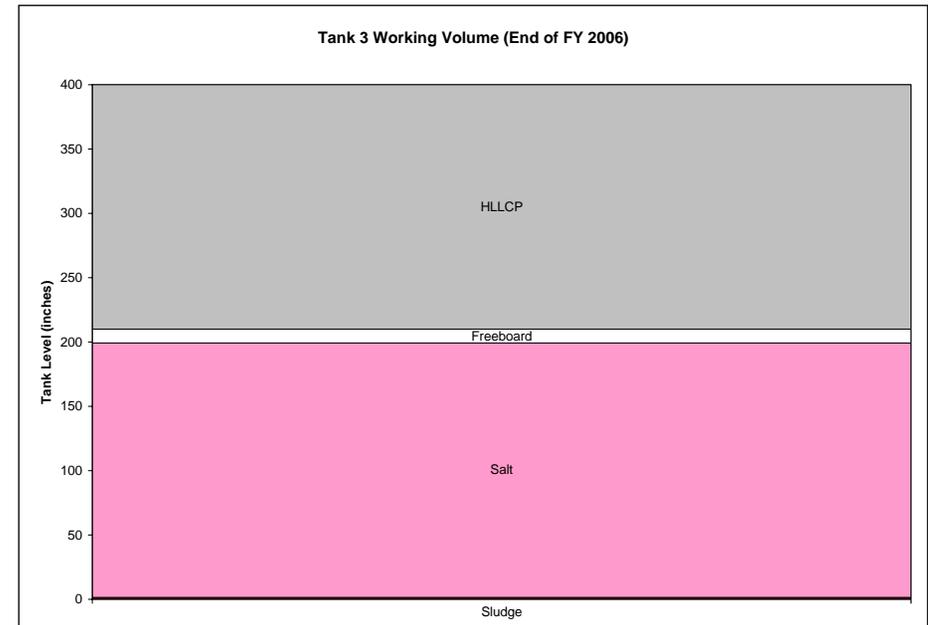
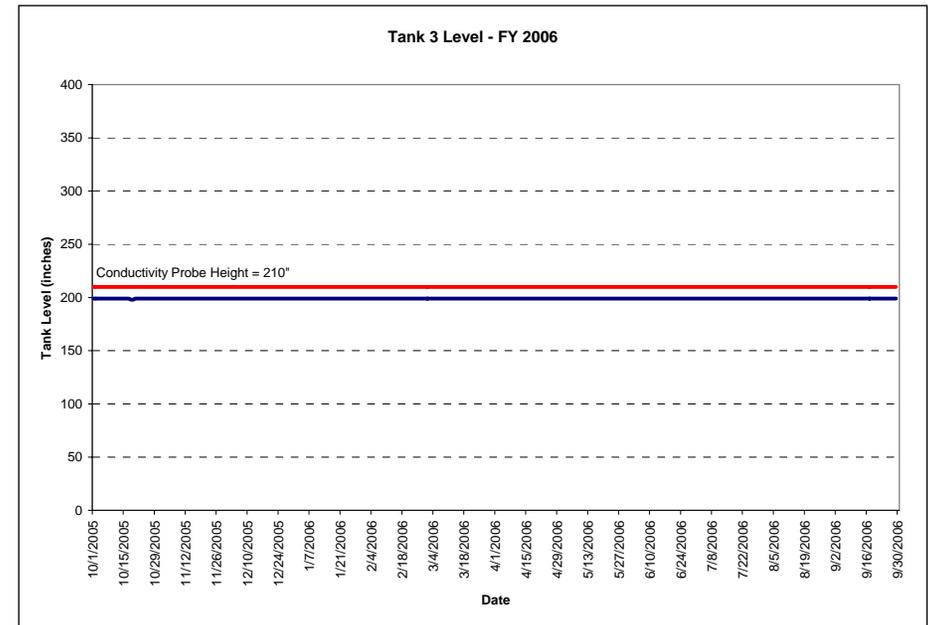
Prime Movers: Fixed Length Pump (29'')

Discussion:

There were no transfers in or out of Tank 3 during FY06. The volume remained at approximately 539,000 gallons throughout the year.

Comments:

Tank 3 will be a future salt removal tank.



Tank 4:

Service: Sludge Batch Removal Tank

Type: I

Maximum Volume: 523,030 gallons

Working Volume: 132,790 gallons

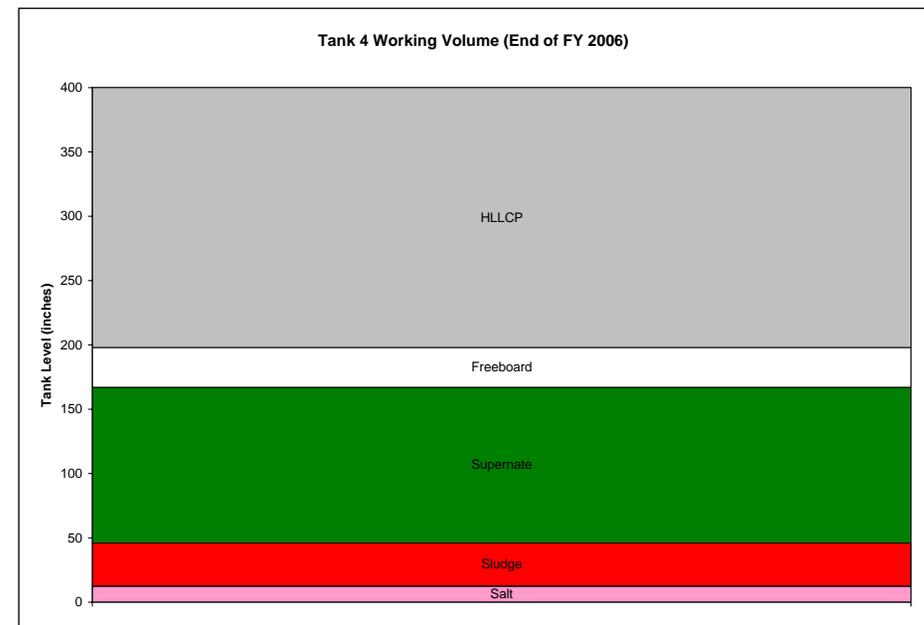
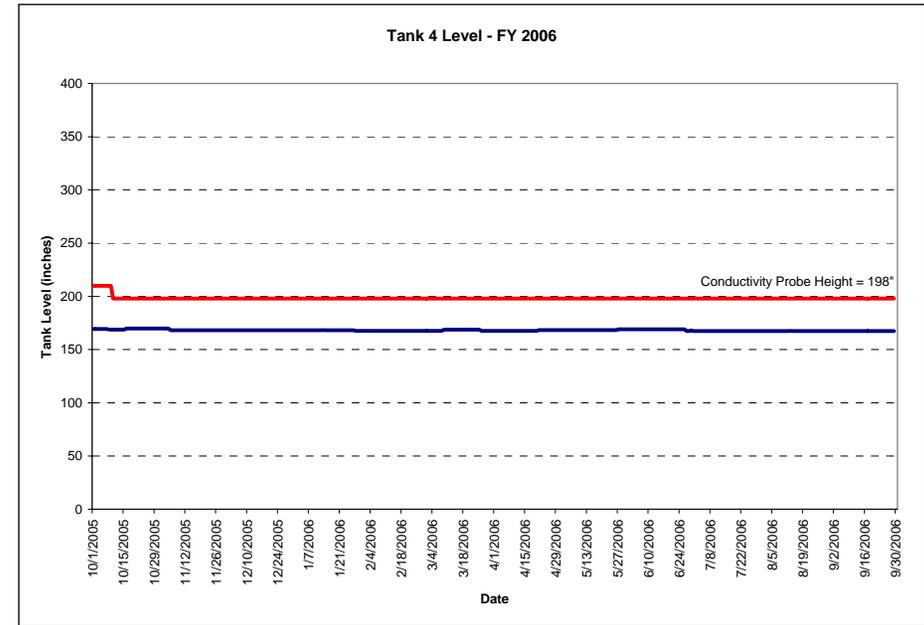
Prime Movers: Standard Transfer Pump (144")

Discussion:

There were no transfers in or out of Tank 4 during FY06. The volume remained at approximately 454,000 gallons throughout the year.

Comments:

Tank 4 is a future Sludge Batch 6 sludge tank. Transfers are planned for FY07 to remove the Burkeite in Tank 4 and store the Burkeite solution in Tank 33. Transfers are also scheduled to initiate bulk sludge removal from Tank 4 in FY07.



Tank 5:

Service: Sludge Batch Removal Tank

Type: I

Maximum Volume: 414,630 gallons

Working Volume: 411,920 gallons

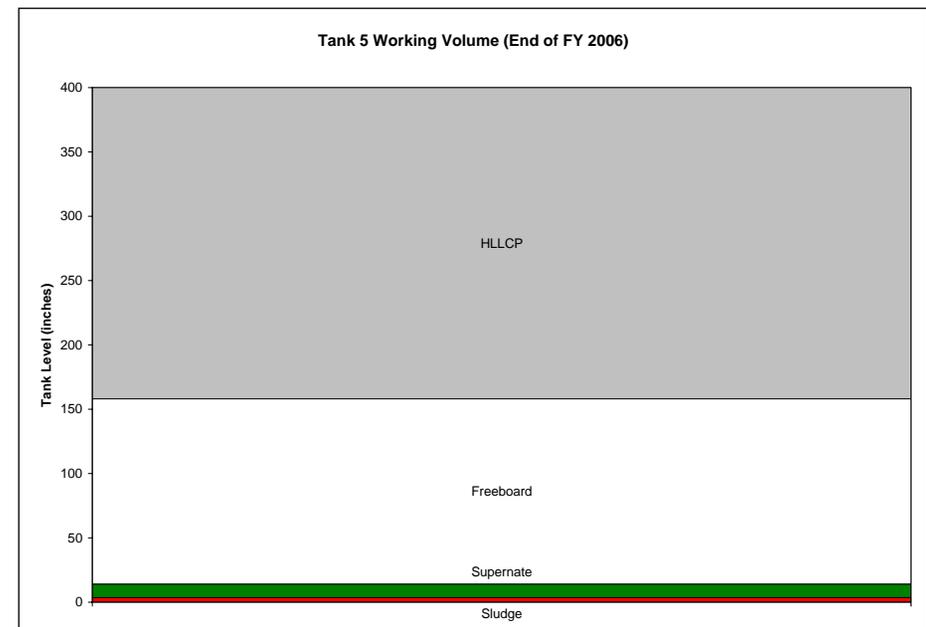
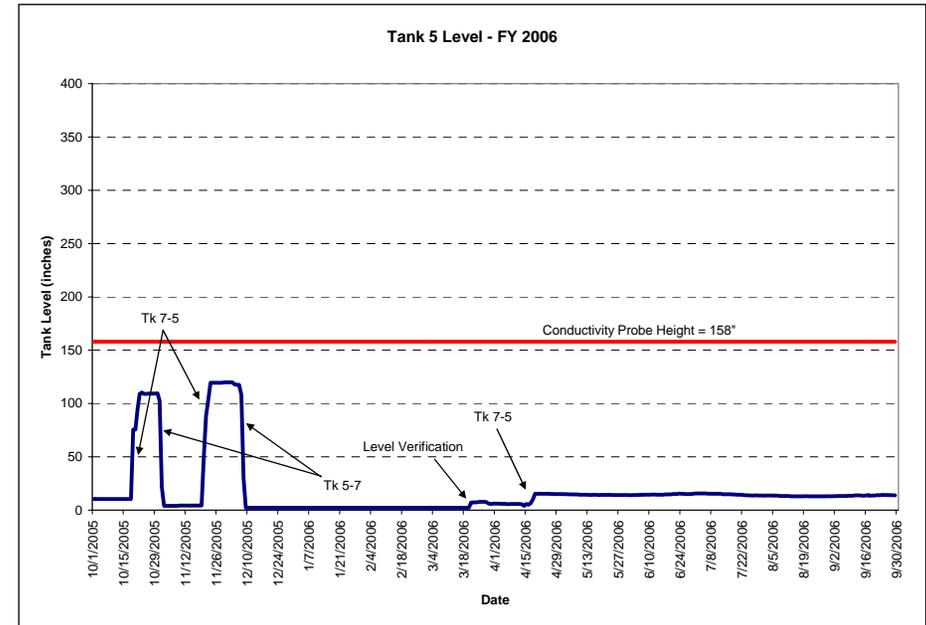
Prime Movers: Standard Transfer Pump (1")

Discussion:

A series of Tank 7-5 and 5-7 transfers were performed to remove the sludge from Tank 5 to build SB5. A small Tank 7-5 transfer was also completed to cover the sludge level in Tank 5. During the Tank 5 sludge removal transfers, the sludge volume in Tank 5 went decreased 12,500 gallons.

Comments:

During FY07, transfers will be completed to support heel removal from Tank 5. In order to remove as much sludge as practical during the mechanical portion of heel removal, a third sludge mixing pump will be installed into Tank5.



Tank 6:

Service: Sludge Batch Removal Tank

Type: I

Maximum Volume: 406,500 gallons

Working Volume: 403,790 gallons

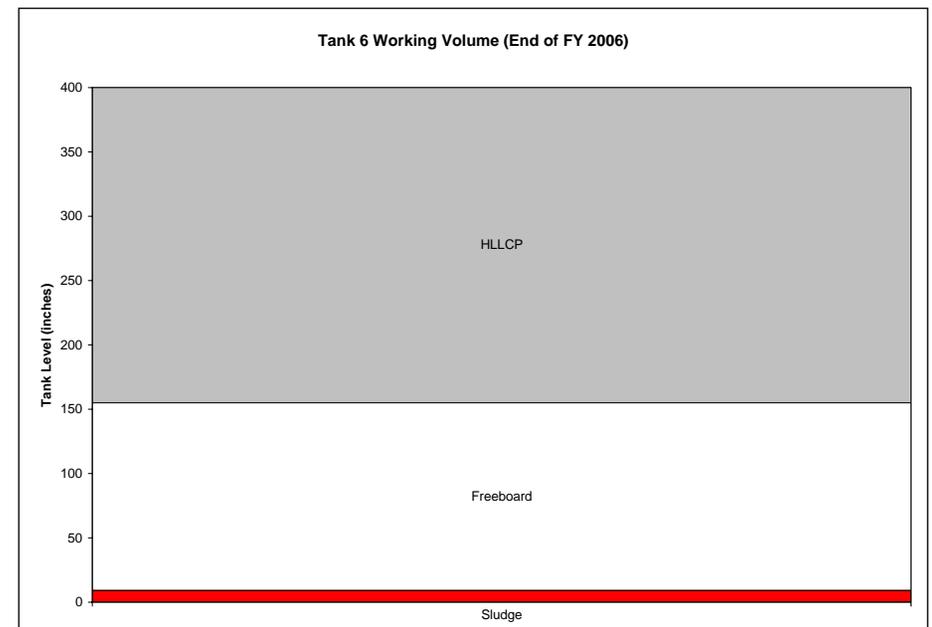
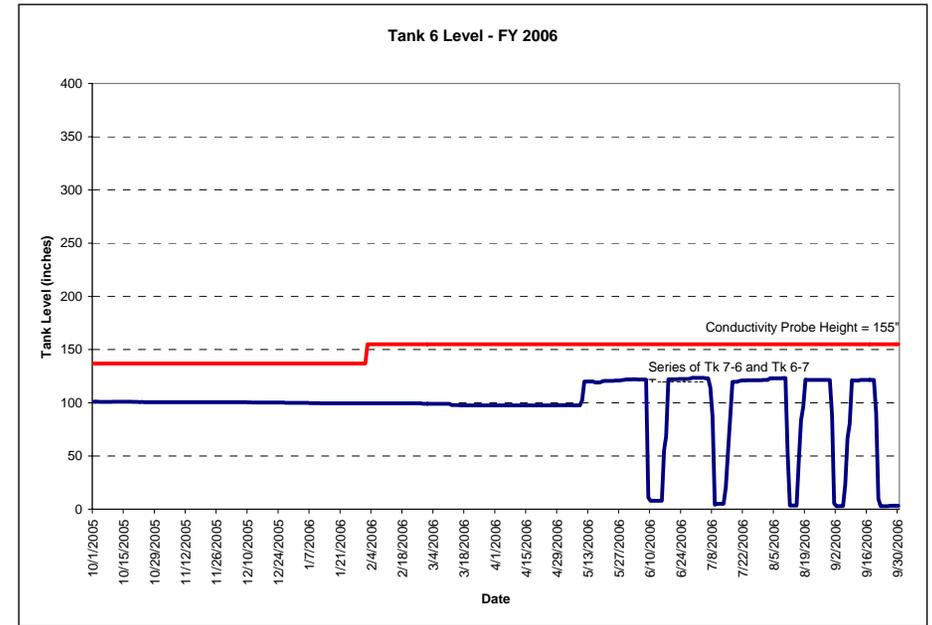
Prime Movers: Standard Transfer Pump (1")

Discussion:

The series of tank 7-6 and 6-7 transfers were preformed to transfers sludge out of Tank 6 to build SB5. During this series of waste removal transfers, the sludge volume in Tank 6 decreased 16,200 gallons.

Comments:

During FY07, transfers will be completed to support heel removal from Tank 6. In order to remove as much sludge as practical during the mechanical portion of heel removal, a third sludge mixing pump will be installed into Tank 6.



Tank 7:

Service: Sludge Batch Five Preparation Tank

Type: I

Maximum Volume: 501,350 gallons

Working Volume: 363,140 gallons

Prime Movers: Telescoping Transfer Pump (51’')

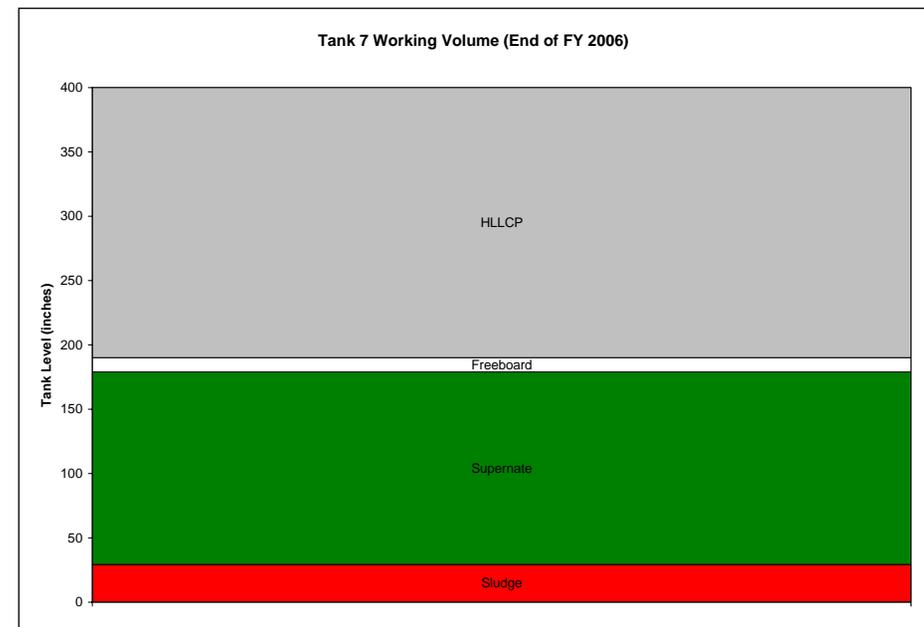
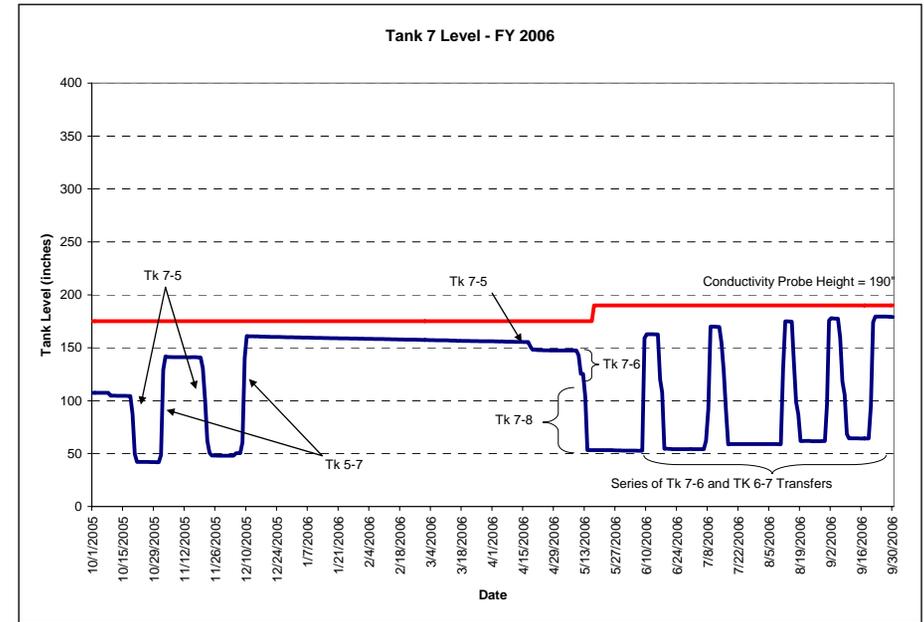
Discussion:

The Tank 7-5, 5-7 and 7-6, 6-7 transfers were performed to begin building SB5. One Tank 7-8 transfer was needed to store excess supernate due to an unplanned outage of the 2F Evaporator. This transfer allowed Tank 6 BWR activities to initiate. During the sludge removal transfers 12,500 gallons of sludge from Tank 5 were moved into Tank 7 as well as 16,200 gallons of Tank 6 sludge.

Comments:

Tank 7 will continue to be used for SB5 preparation during FY07. As windows are available, sludge from Tank 4 will also be transferred to Tank 7. This sludge will be included in SB6.

Tank 7 will also be used to support Tank 5 and Tank 6 heel removal activities during FY07.



Tank 8:

Service: Sludge Batch Five Preparation Tank

Type: I

Maximum Volume: 555,550 gallons

Working Volume: 550,130 gallons

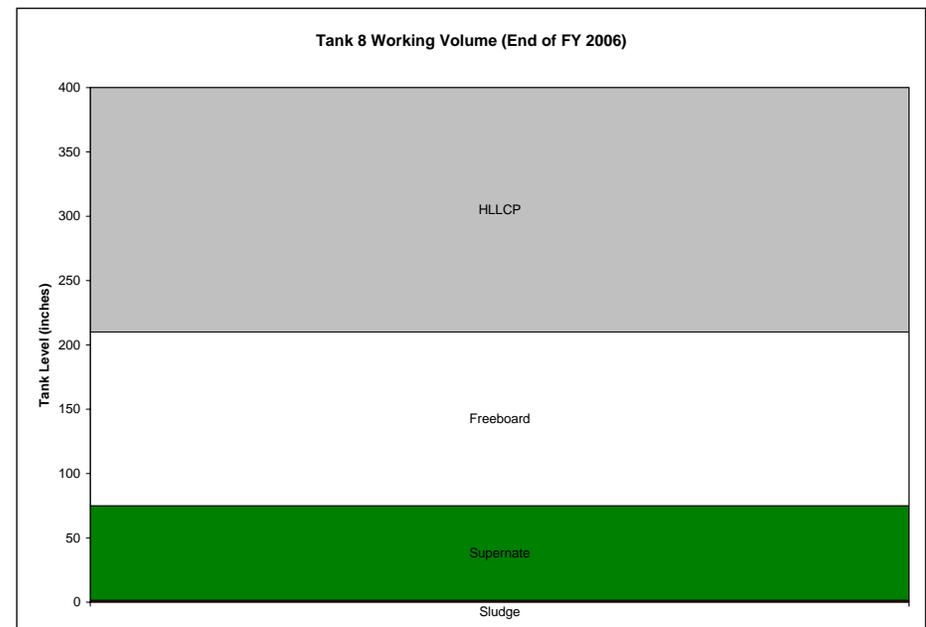
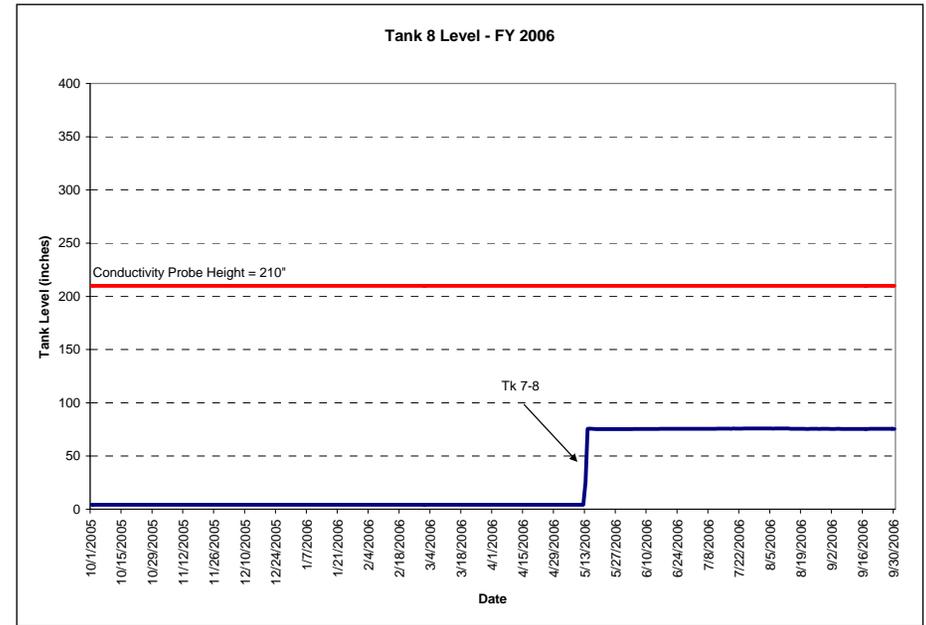
Prime Movers: Telescoping Transfer Pump (2’')

Discussion:

One Tank 7-8 transfer was performed in FY06. This transfer was needed to store excess supernate from Tank7 due to an unplanned outage of the 2F Evaporator. This transfer allowed Tank 6 BWR activities to initiate. This supernate will eventually be sent to the 2F for volume reduction.

Comments:

Tank 8 is currently being used to support SB5. It will be used to store Tank 4 supernate during the preparation of SB6. Throughout FY07, Tank 8 will be used to store supernate used during Tank 4-6 waste removal efforts until an evaporator system can volume reduce it.

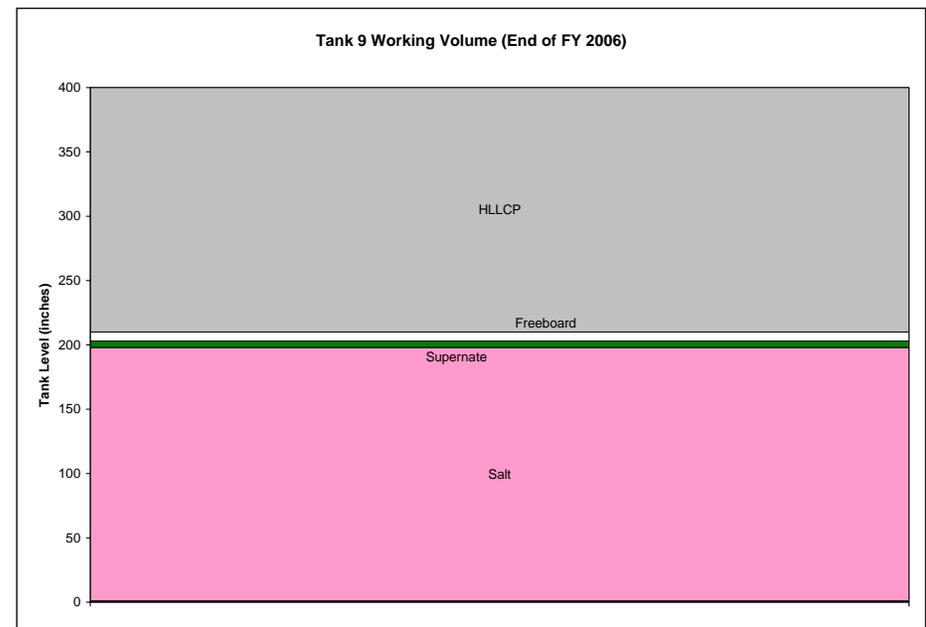
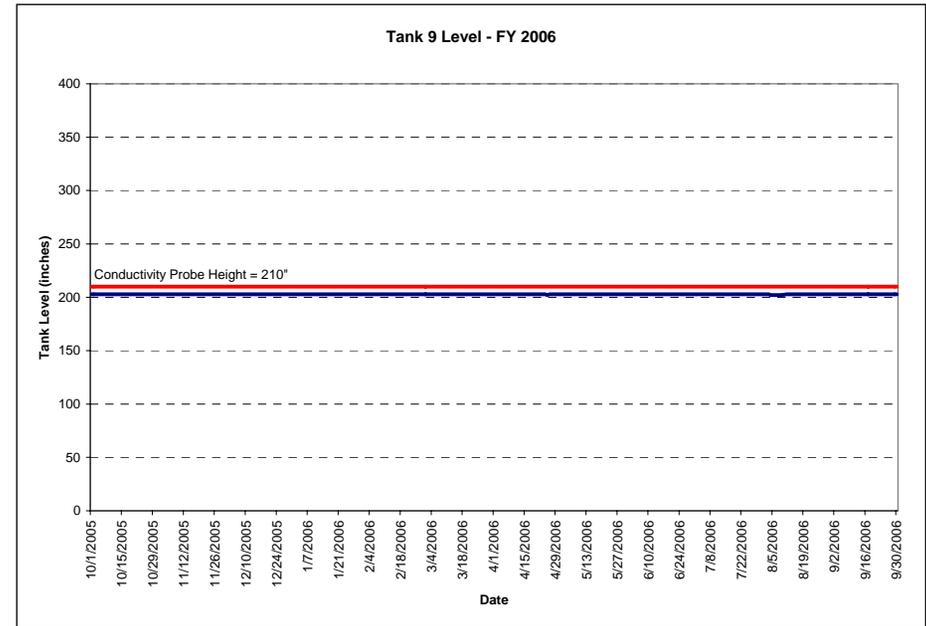


Tank 9:

Service: Inactive Waste Tank
Type: I
Maximum Volume: 555,550 gallons
Working Volume: N/A
Prime Movers: Telescoping Transfer Jet (unknown)

Discussion:
There were no transfers in or out of Tank 9 during FY06. The volume remained at approximately 550,000 gallons throughout the year.

Comments:
None



Tank 10:

Service: Inactive Waste Tank

Type: I

Maximum Volume: 555,550 gallons

Working Volume: 457,990 gallons

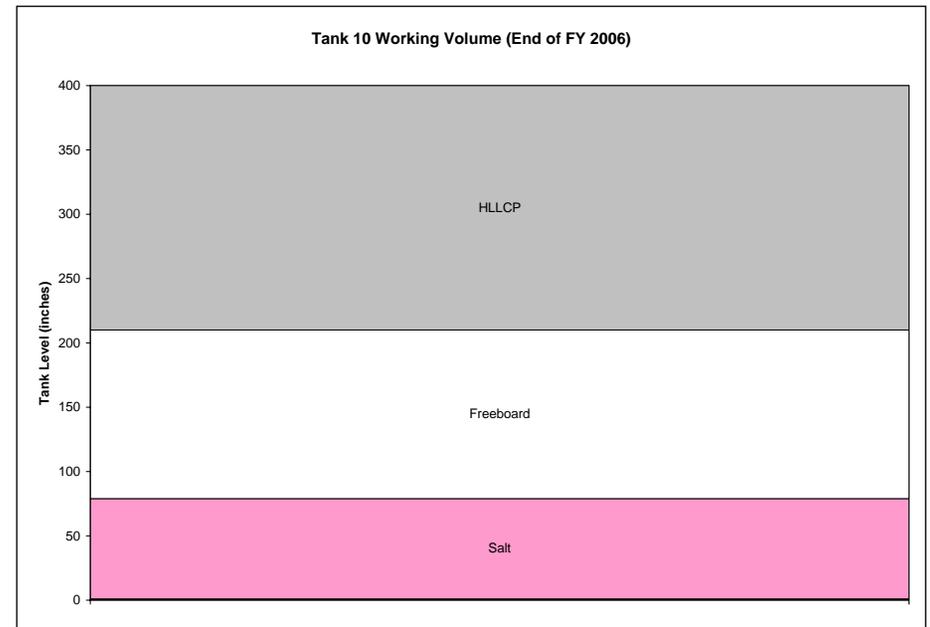
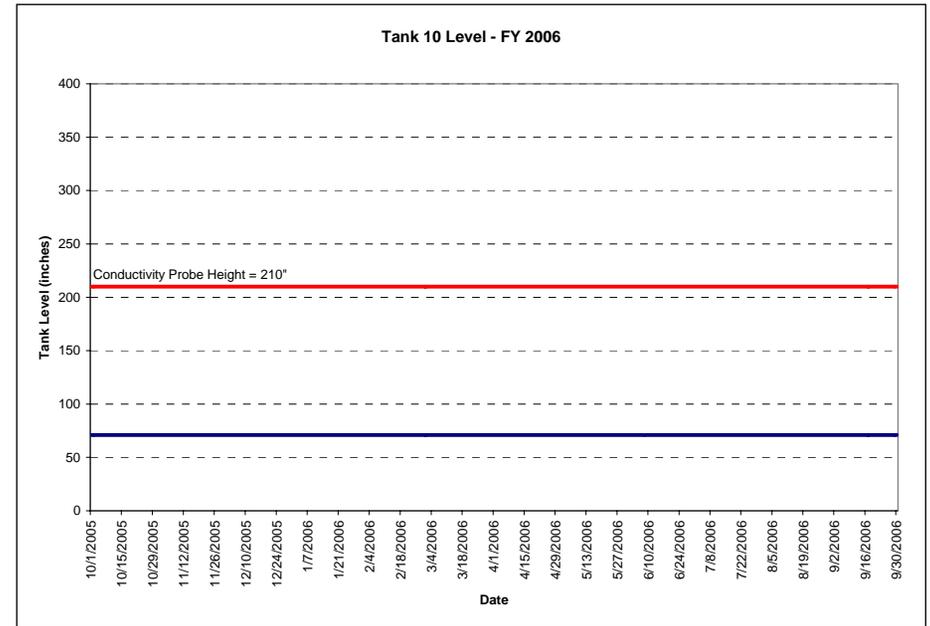
Prime Movers: Fixed Length Jet (36")

Discussion:

There were no transfers in or out of Tank 10 during FY06. The volume remained at approximately 193,000 gallons throughout the year.

Comments:

None



Tank 11:

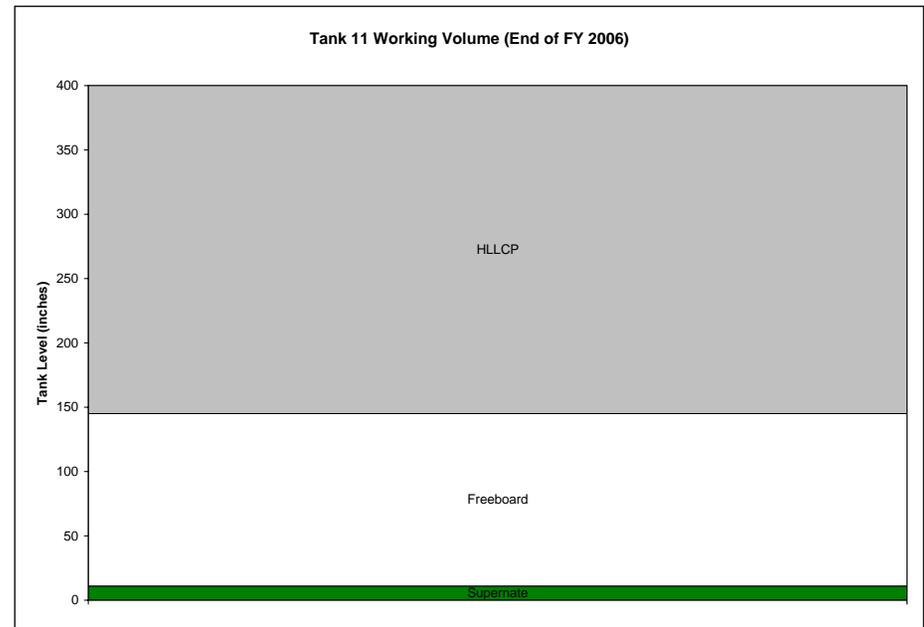
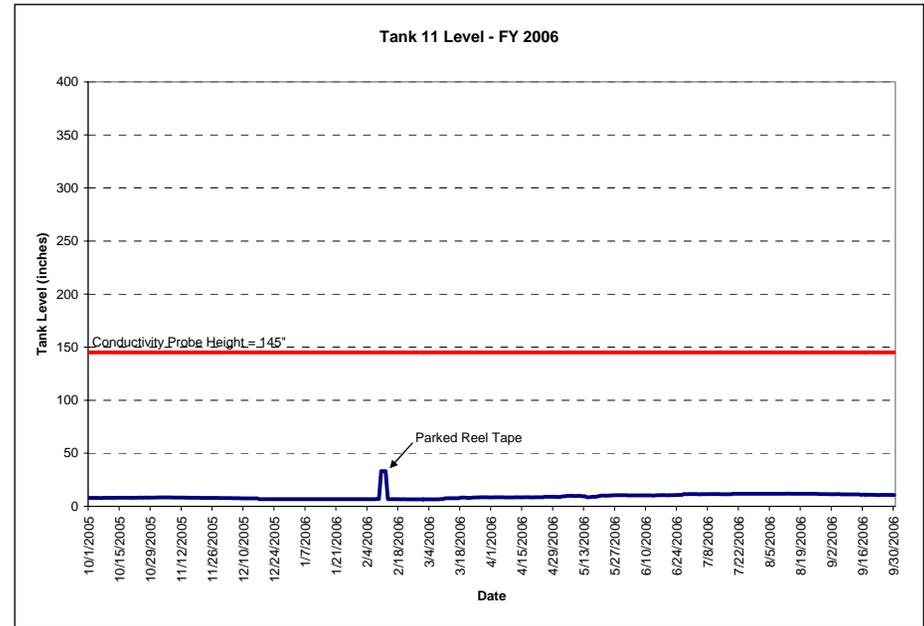
Service: Sludge Removal Tank
Type: I
Maximum Volume: 379,400 gallons
Working Volume: 373,980 gallons
Prime Movers: Telescoping Transfer Pump (2'')

Discussion:

There were no transfers in or out of Tank 11 during FY06.
The volume remained at approximately 28,000 gallons throughout the year.

Comments:

None.



Tank 12:

Service: Sludge Removal Tank

Type: I

Maximum Volume: 230,350 gallons

Working Volume: N/A

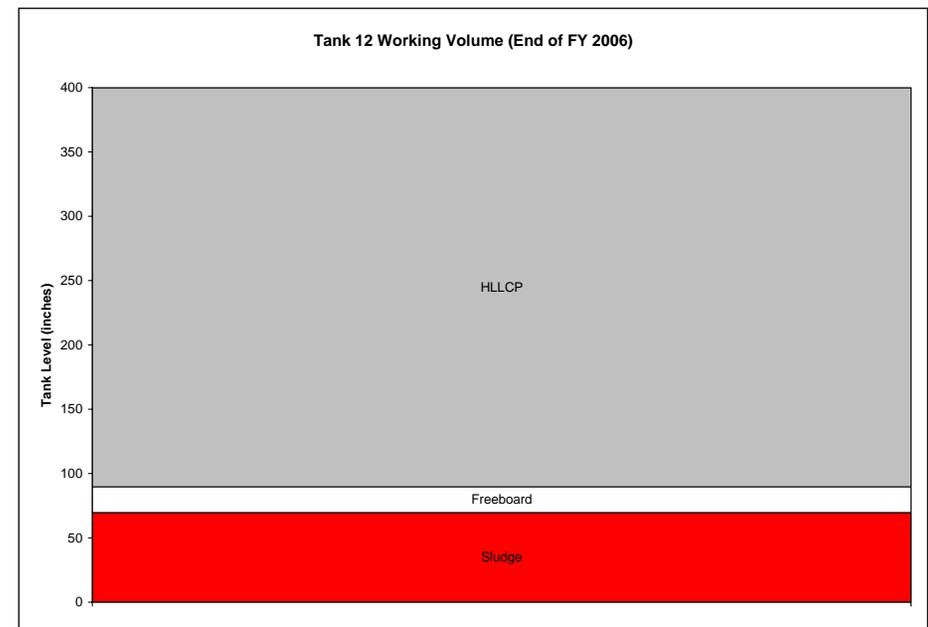
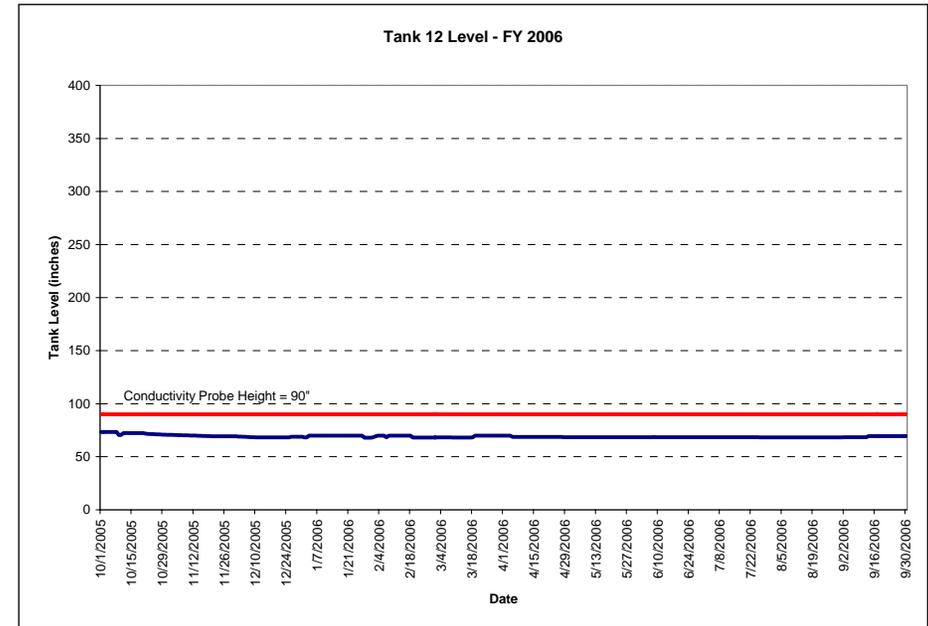
Prime Movers: Fixed Length Jet (92")

Discussion:

There were no transfers in or out of Tank 12 during FY06. The volume remained at approximately 188,000 gallons throughout the year.

Comments:

Tank 12 is a future Sludge Batch 6 sludge tank.



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2.5 Tank Space Management: Type II Tanks

The following section describes in detail the use of all Type II Tanks located in HTF (13-16). No Type II waste tanks exist within FTF. A detailed summary graph (top right corner of each individual tank page) is presented to portray the major transfers in and out of the tanks over the past fiscal year.

A summary of the major characteristics of the tanks (service, type, maximum volume, working volume, prime movers, discussion, and comments) can also be found for each individual tank (left side of each individual tank page). This information can be used in correlation with the graphs for more details pertaining to the tanks. The future plans for the tanks are also mentioned in this section of the summary.

A working volume chart can also be found in this section (bottom right corner of each individual tank page). This graph can be used to determine the final levels of all materials within the individual waste tanks at the end of FY06. Sludge, salt, supernate, freeboard, and high liquid level conductivity probe (HLLCP) levels are all found on this graph.

Tank 13:

Service: Inactive Waste Tank

Type: II

Maximum Volume: 892,500 gallons

Working Volume: 413,000 gallons

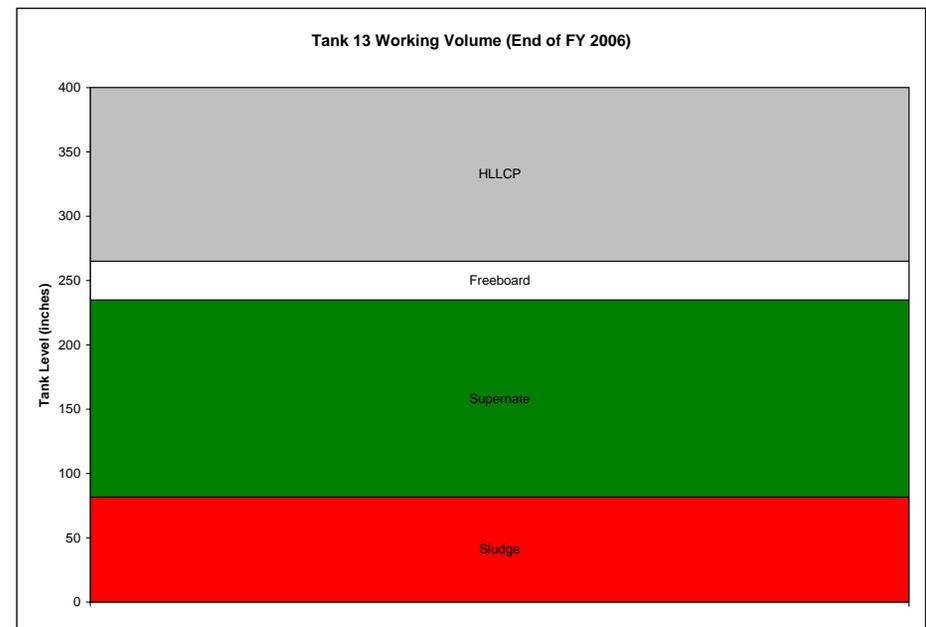
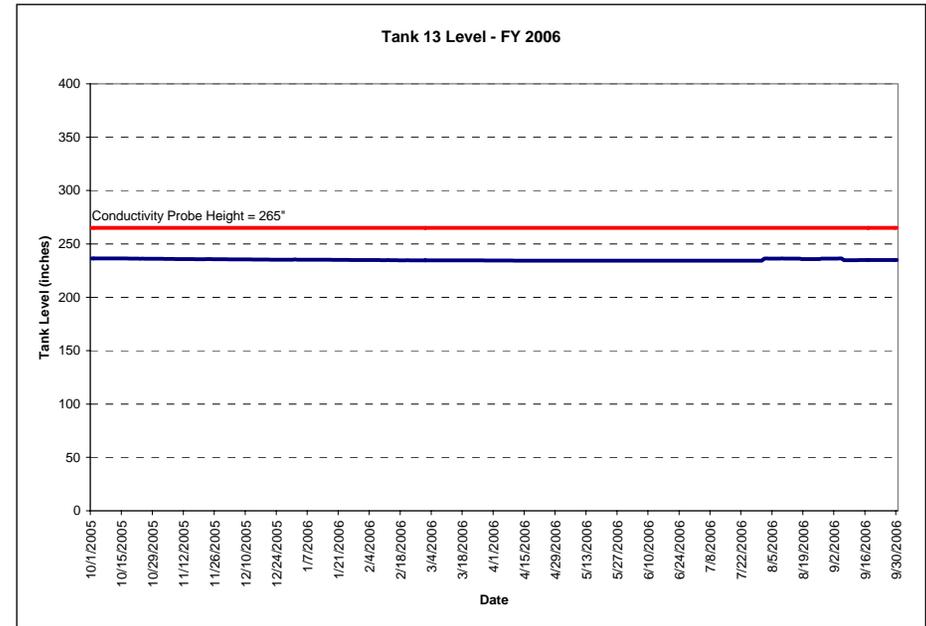
Prime Movers: Fixed Length Jet (137")

Discussion:

There were no transfers in or out of Tank 13 during FY06. The volume remained at approximately 822,000 gallons throughout the year.

Comments:

Tank 13 will be a sludge removal tank for SB7. Tank 13 will be used to receive waste removed during Tank 16 annulus cleaning testing.



Tank 14:

Service: Inactive Waste Tank

Type: II

Maximum Volume: 332,500 gallons

Working Volume: 94,500 gallons

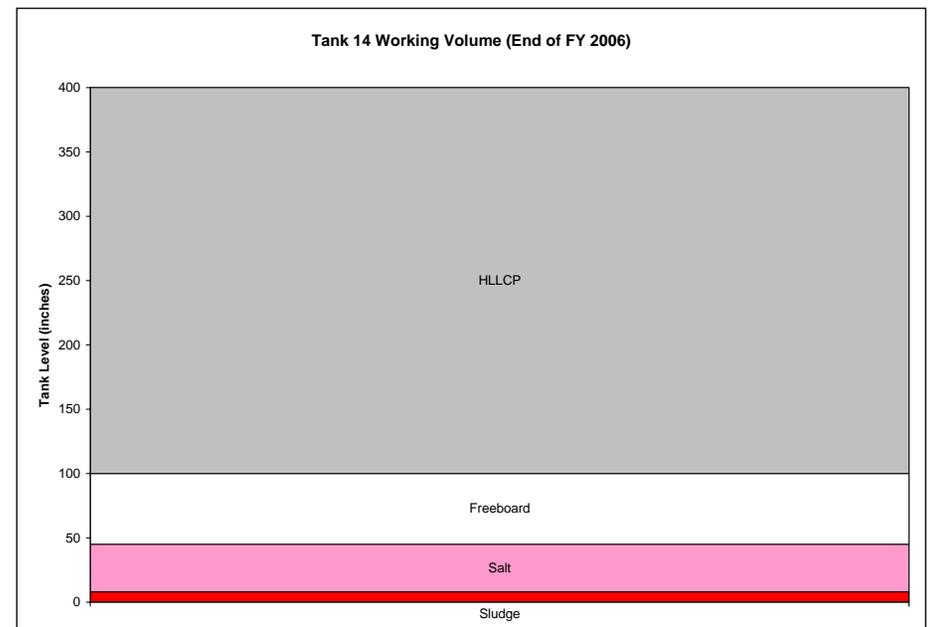
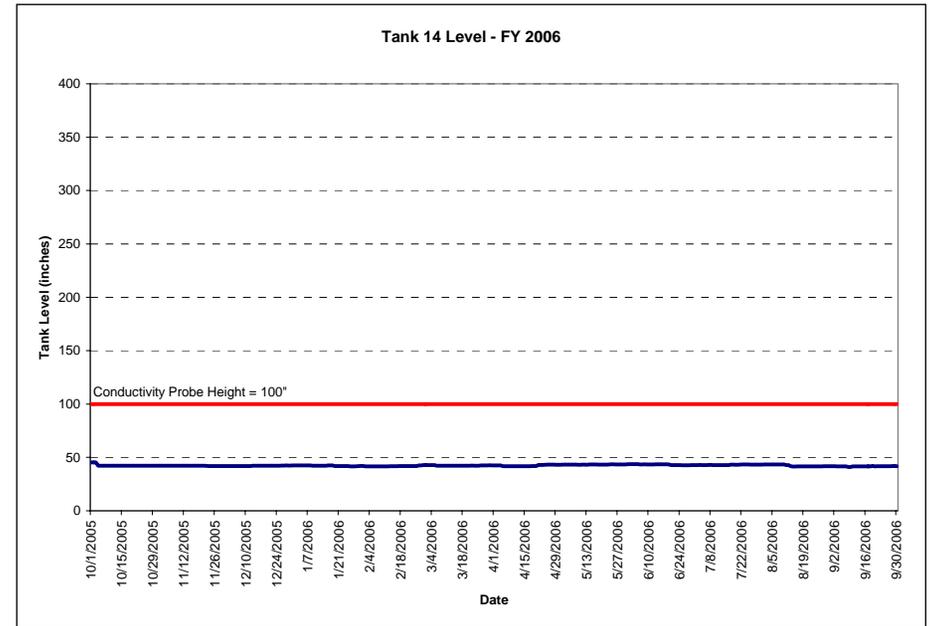
Prime Movers: Fixed Length Jet (68")

Discussion:

There were no transfers in or out of Tank 14 during FY06. The volume remained at approximately 146,000 gallons throughout the year.

Comments:

Tank 14 will be a sludge removal tank for SB8.



Tank 15:

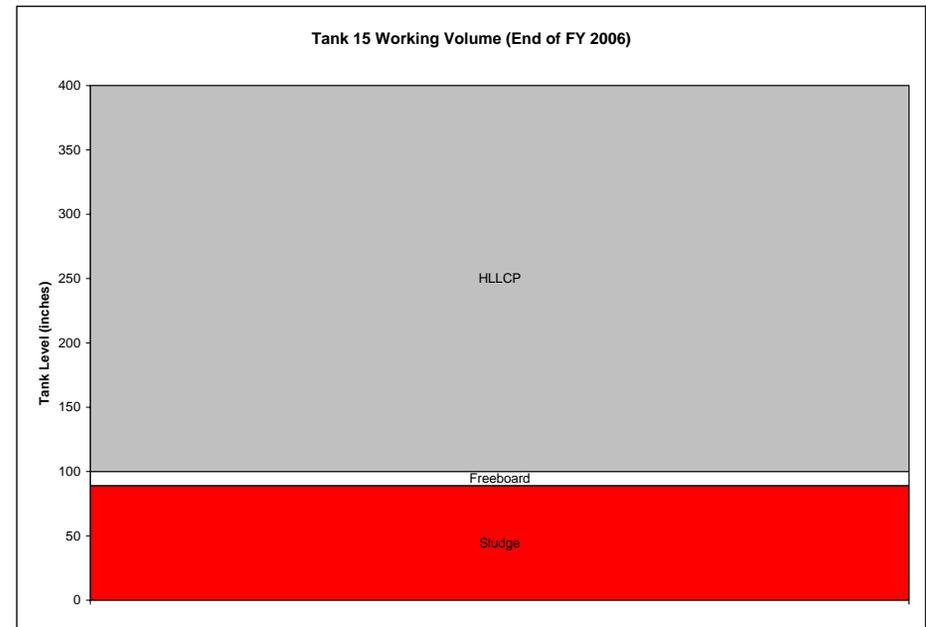
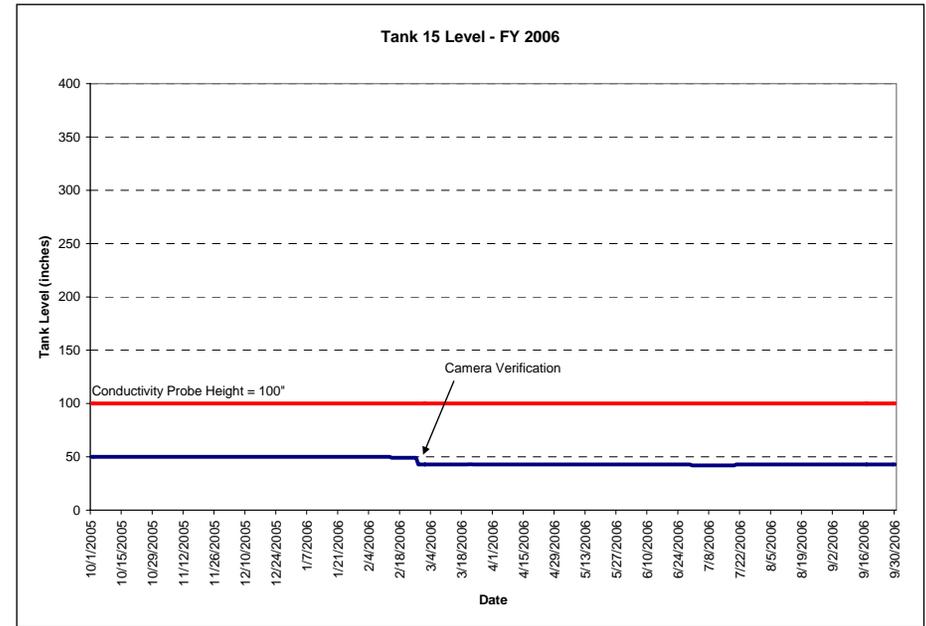
Service: Inactive Waste Tank
Type: II
Maximum Volume: 332,500 gallons
Working Volume: 262,500 gallons
Prime Movers: Telescoping Transfer Pump (20’)

Discussion:

There were no transfers in or out of Tank 15 during FY06. After a camera verification of the level the tank went from 175,000 gallons to 150,500 gallons.

Comments:

Tank 15 will be a sludge removal tank for SB8.



Tank 16:

Service: Inactive Waste Tank / Removed From Service

Type: II

Maximum Volume: N/A

Working Volume: N/A

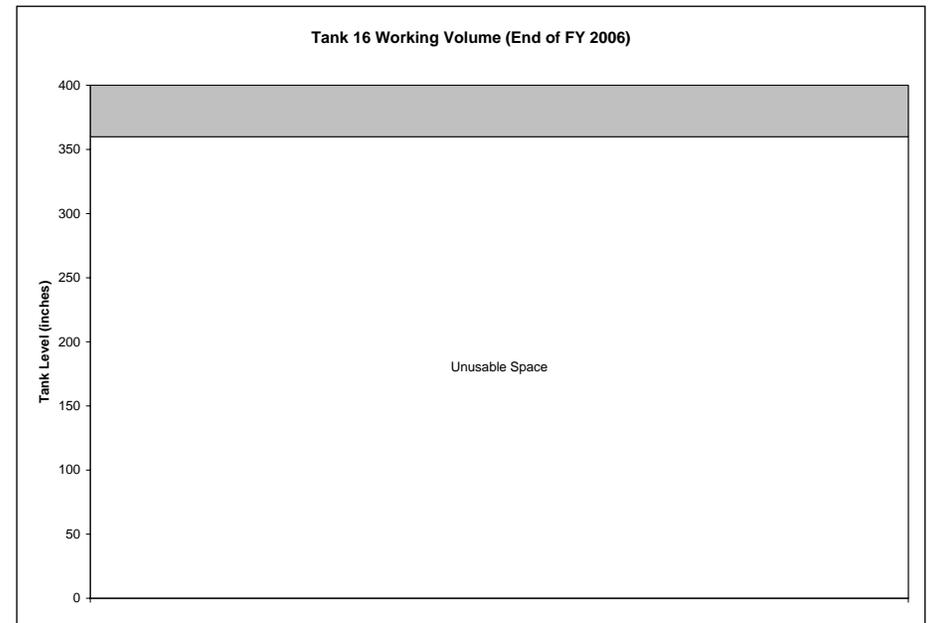
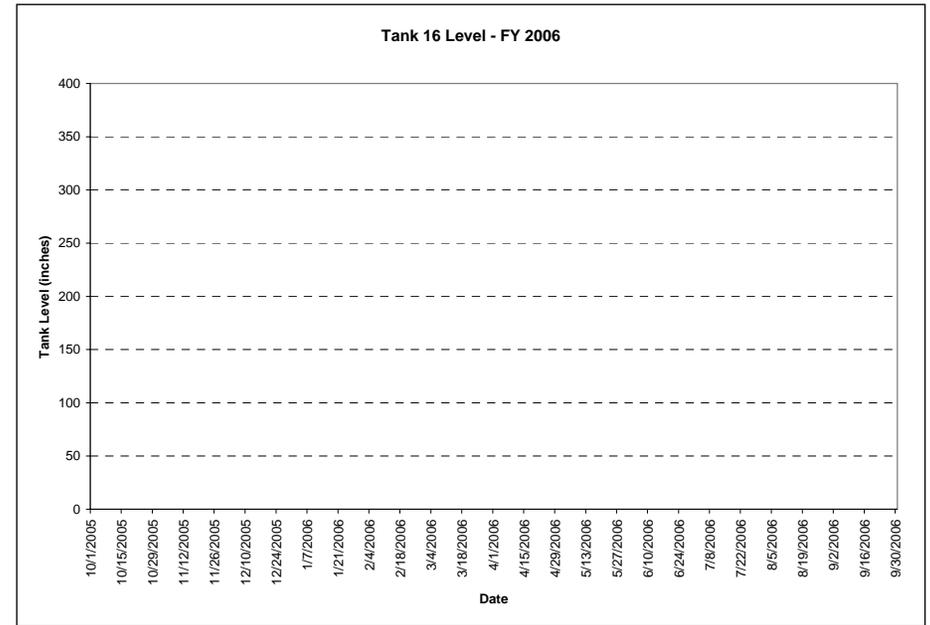
Prime Movers: N/A

Discussion:

Tank 16 has been emptied and removed from service due to leakage of primary containment. The tank has yet to be closed due to residual waste inside the annulus.

Comments:

Annulus cleaning activities are planned for FY07. Testing of a method to remove the residual waste from the annulus will be conducted and the waste will be transferred to Tank 13.



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2.6 Tank Space Management: Type IV Tanks

The following section describes in detail the use of all Type IV Tanks located within FTF (Tanks 17-20) and HTF (Tanks 21-24). A detailed summary graph (top right corner of each individual tank page) is presented to portray the major transfers in and out of the tanks over the past fiscal year.

A summary of the major characteristics of the tanks (service, type, maximum volume, working volume, prime movers, discussion, and comments) can also be found for each individual tank (left side of each individual tank page). This information can be used in correlation with the graphs for more details pertaining to the tanks. The future plans for the tanks are also mentioned in this section of the summary.

A working volume chart can also be found in this section (bottom right corner of each individual tank page). This graph can be used to determine the final levels of all materials within the individual waste tanks at the end of FY06. Sludge, salt, supernate, freeboard, and high liquid level conductivity probe (HLLCP) levels are all found on this graph.

Tank 17:

Service: Inactive Waste Tank / Filled with Grout

Type: IV

Maximum Volume: N/A

Working Volume: N/A

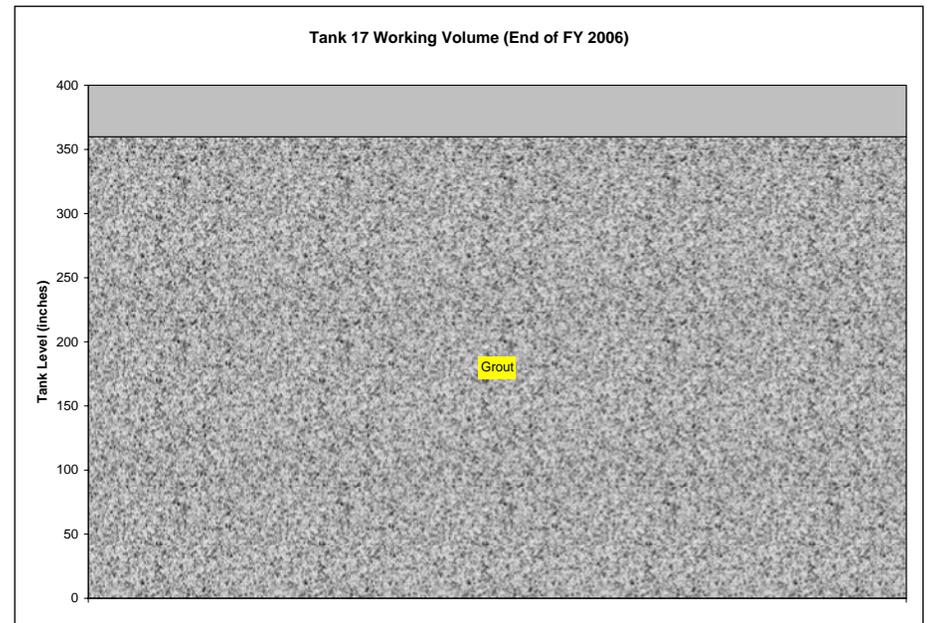
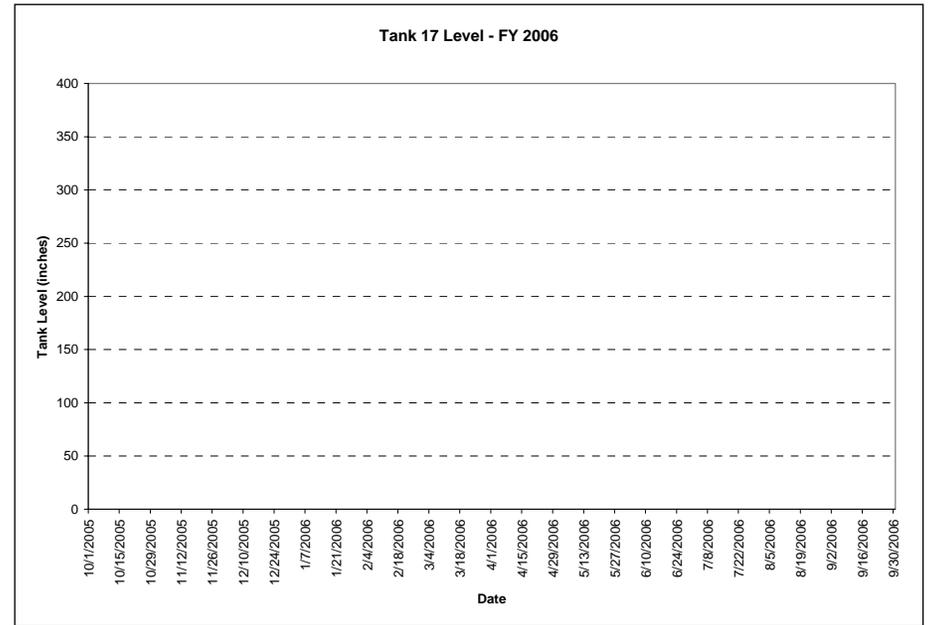
Prime Movers: N/A

Discussion:

Tank 17 has been emptied and de-activated as a waste tank.
Tank 17 has been filled with grout.

Comments:

None



Tank 18:

Service: Closure Waste Tank / Removed From Service

Type: IV

Maximum Volume: 346,920 gallons

Working Volume: N/A

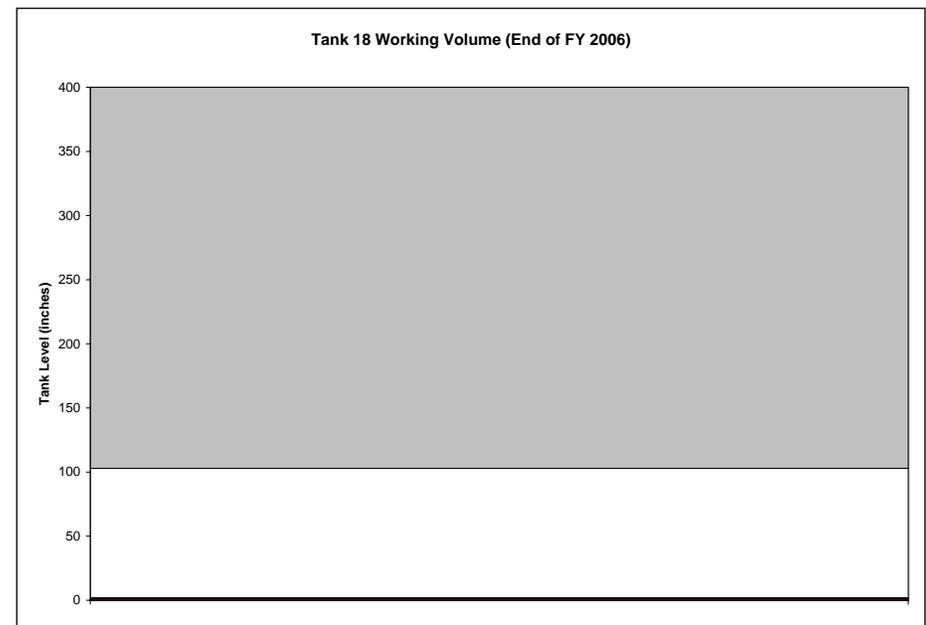
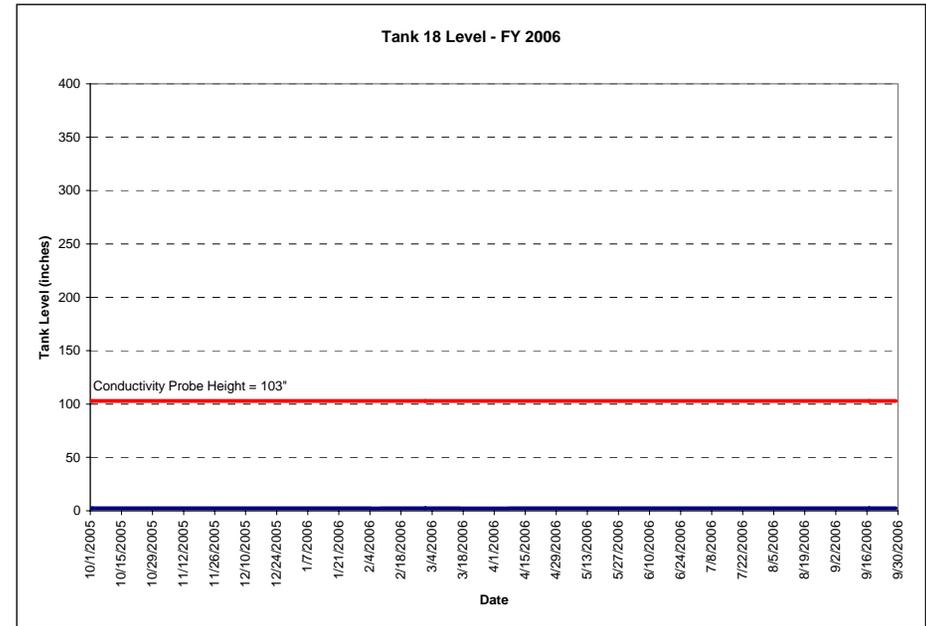
Prime Movers: N/A

Discussion:

There were no transfers in or out of Tank 18 during FY06. The volume remained at approximately 8,500 gallons throughout the year. Tank 18 status was changed to “removed from service” during FY04.

Comments:

Additional heel removal activities are being planned for Tank 18. The additional heel removal activities will use a new technology and are being planned for FY08.



Tank 19:

Service: Closure Waste Tank / Removed From Service

Type: IV

Maximum Volume: 368,160 gallons

Working Volume: N/A

Prime Movers: N/A

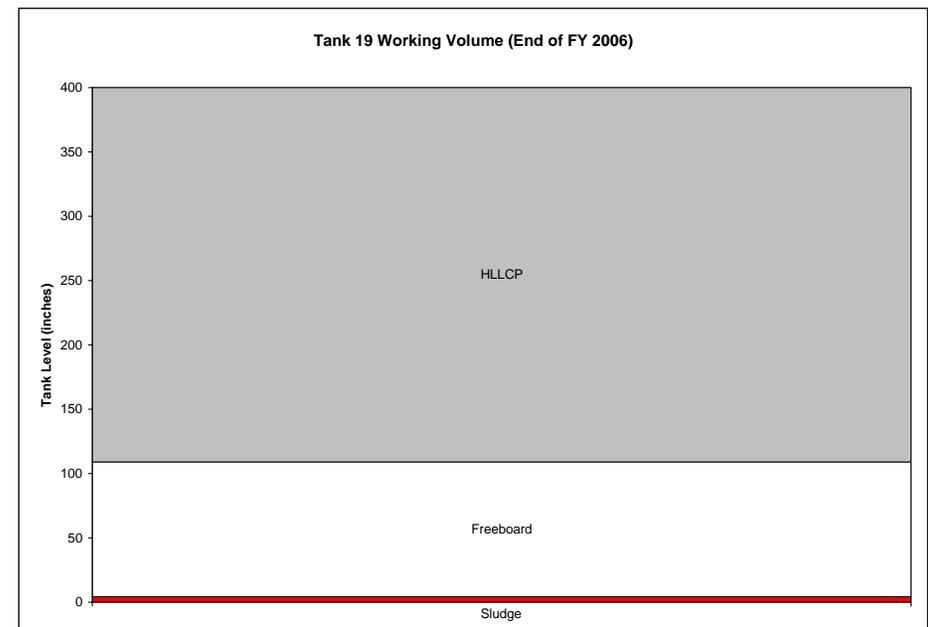
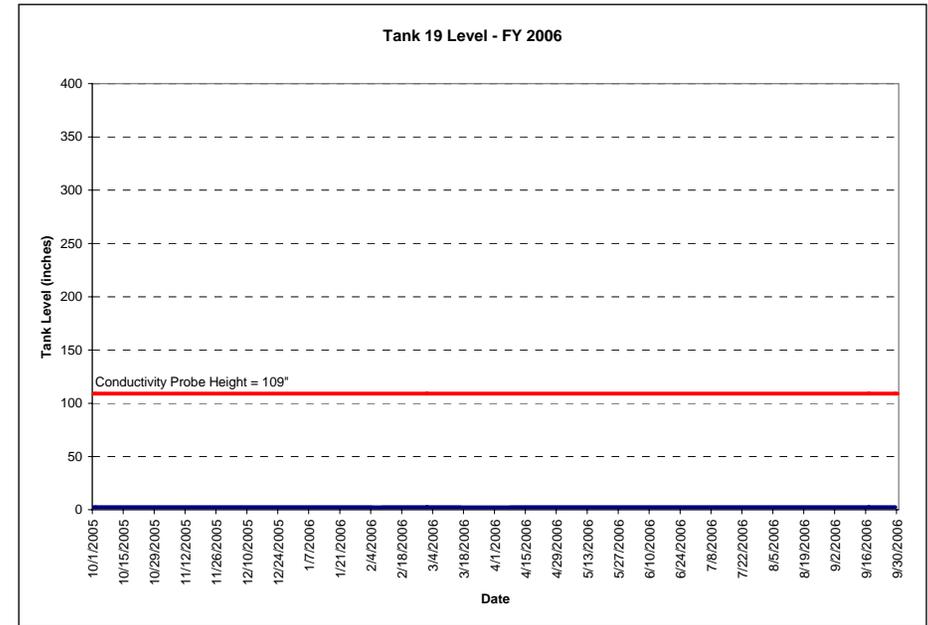
Discussion:

There were no transfers in or out of Tank 19 during FY06.

The volume remained at approximately 15,600 gallons throughout the year. Tank 19 status was changed to “removed from service” during FY04.

Comments:

Additional heel removal activities are being planned for Tank 19. The additional heel removal activities will use a new technology and are being planned for FY08.



Tank 20:

Service: Inactive Waste Tank / Filled with Grout

Type: IV

Maximum Volume: N/A

Working Volume: N/A

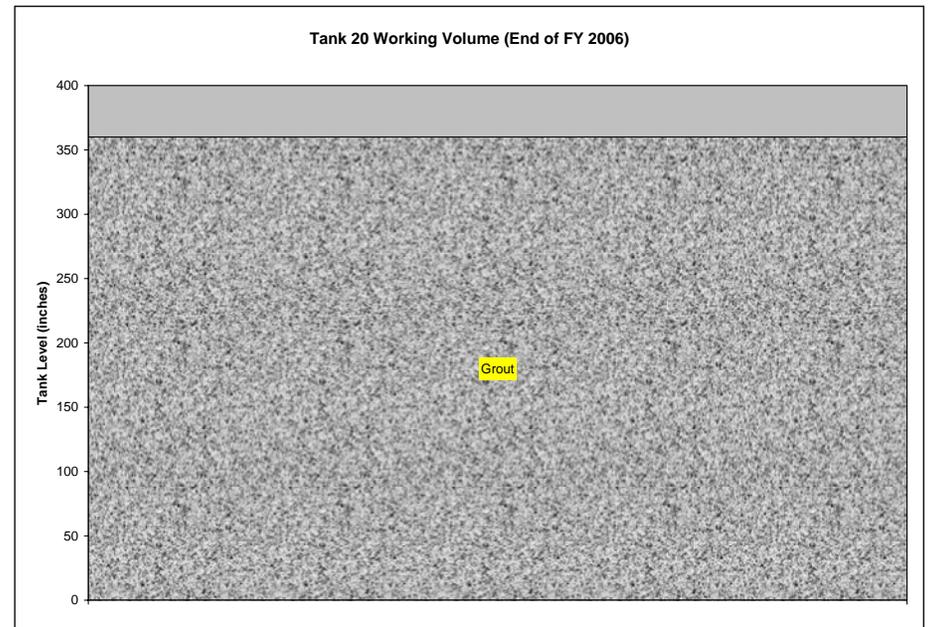
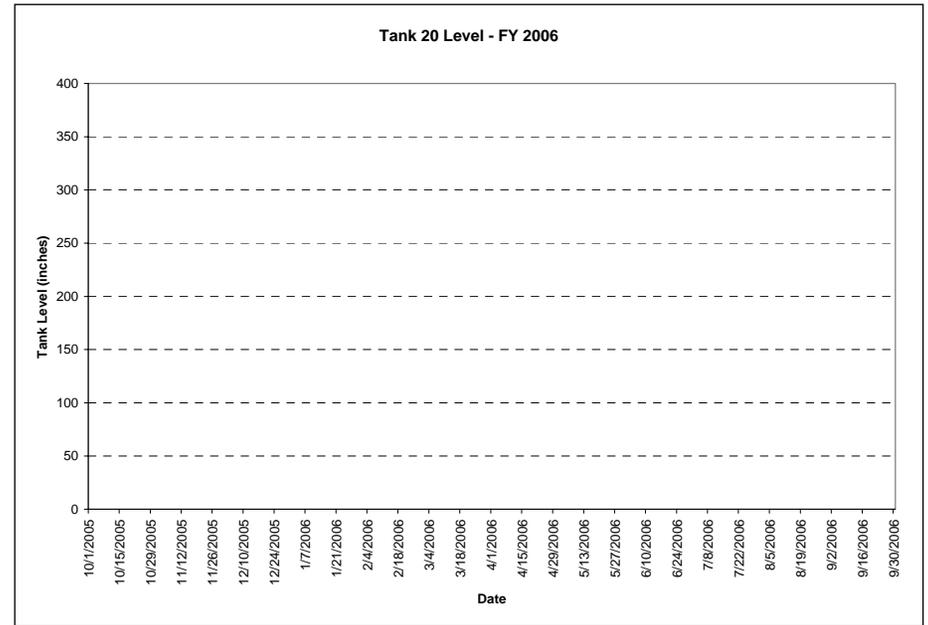
Prime Movers: N/A

Discussion:

Tank 20 has been emptied and de-activated as a waste tank.
Tank 20 has been filled with grout.

Comments:

None.



Tank 21:

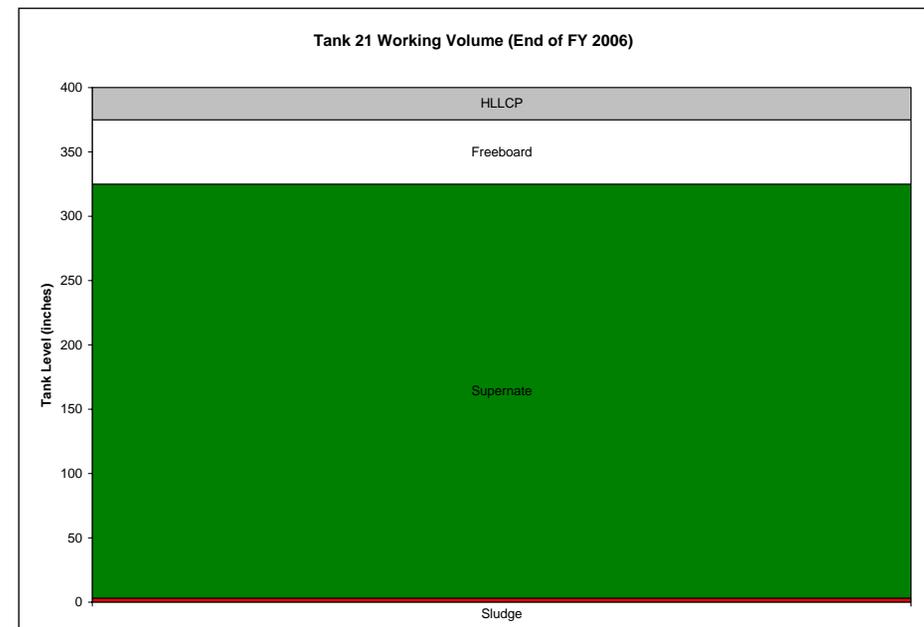
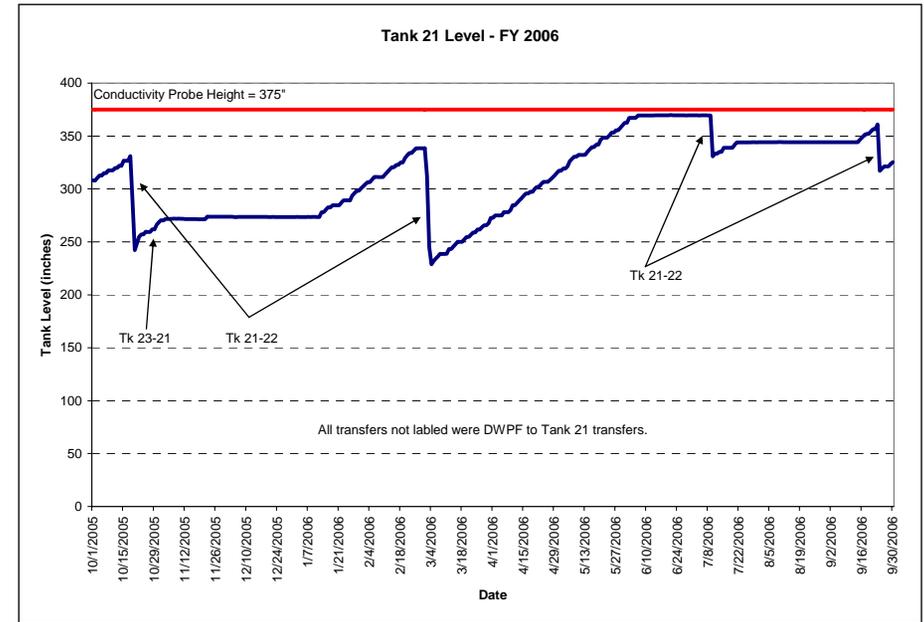
Service: Receipt Tank for DWPF
 Type: IV
 Maximum Volume: 1,316,880 gallons
 Working Volume: 1,309,800 gallons
 Prime Movers: Telescoping Transfer Pump (2’')

Discussion:

Four Tank 21-22 transfers were completed during FY06 totaling 1,005,800 gallons. These transfers were followed by settling time in Tank 22. The transfers also provided room to support DWPF recycle receipts. A total of 1,783,700 gallons of DWPF recycle were received into Tank 21 during FY06. A receipt of ~27k gallons was made from Tank 23 to verify operability of the Tank 23 transfer jet.

Comments:

Tank 21 will continue to receive DWPF recycle receipts during FY07.



Tank 22:

Service: Receipt Tank for DWPF Recycle

Type: IV

Maximum Volume: 1,316,880 gallons

Working Volume: 1,097,400 gallons

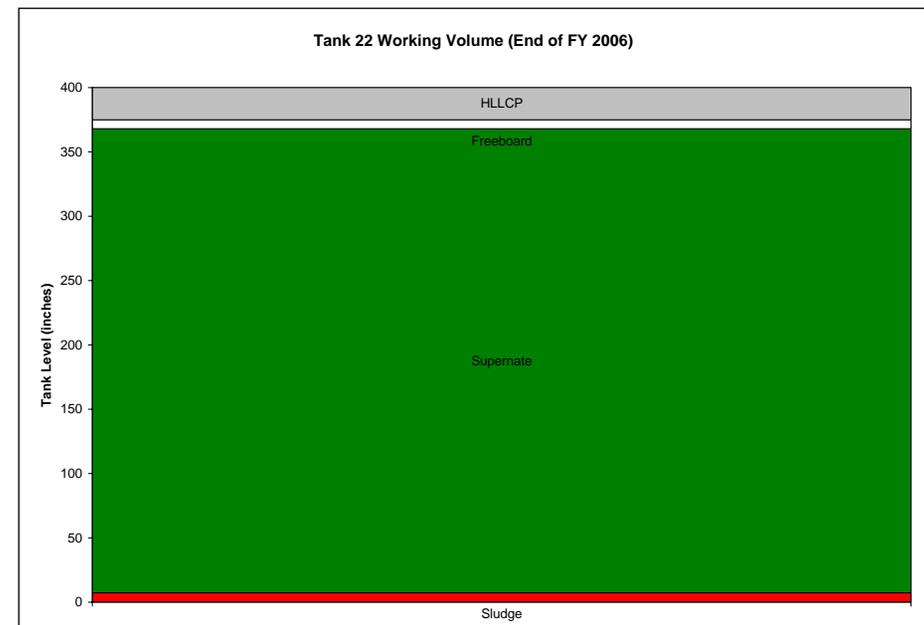
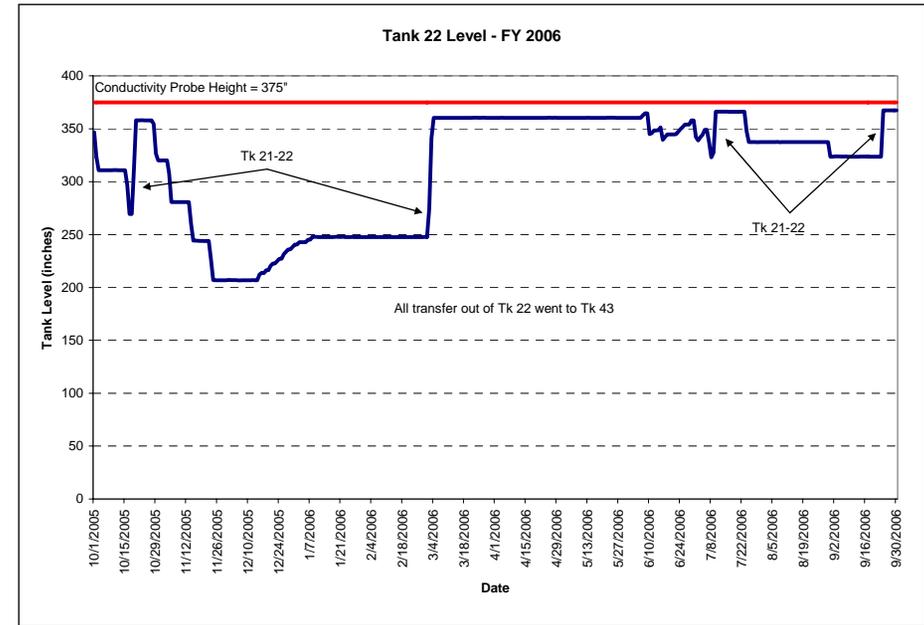
Prime Movers: Telescoping Transfer Pump (62")

Discussion:

Four Tank 21-22 transfers were completed during FY06 totaling 1,005,700 gallons. These transfers were followed by settling time in Tank 22. The transfers also provided room to support DWPF recycle receipts. A total of 12 Tank 22-43 transfers were completed in FY06 to provide feed for the 2H evaporator totaling 1,270,000 gallons. DWPF transfers were sent directly to Tank 22 in December 2005 and June 2006 due to HDB-5 valve repairs.

Comments:

Tank 22 will continue to be used to receive Tank 21 DWPF recycle receipts and allow for settling time prior to processing in the 2H Evaporator System.



Tank 23:

Service: Inactive Waste Tank / Aggregate Supply Tank

Type: IV

Maximum Volume: 1,313,340 gallons

Working Volume: 1,200,060 gallons

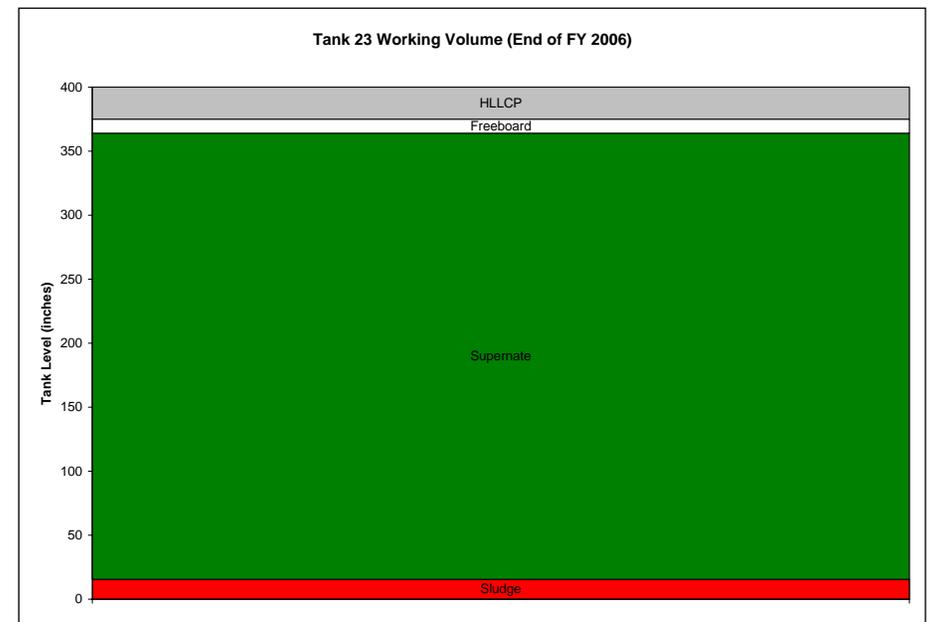
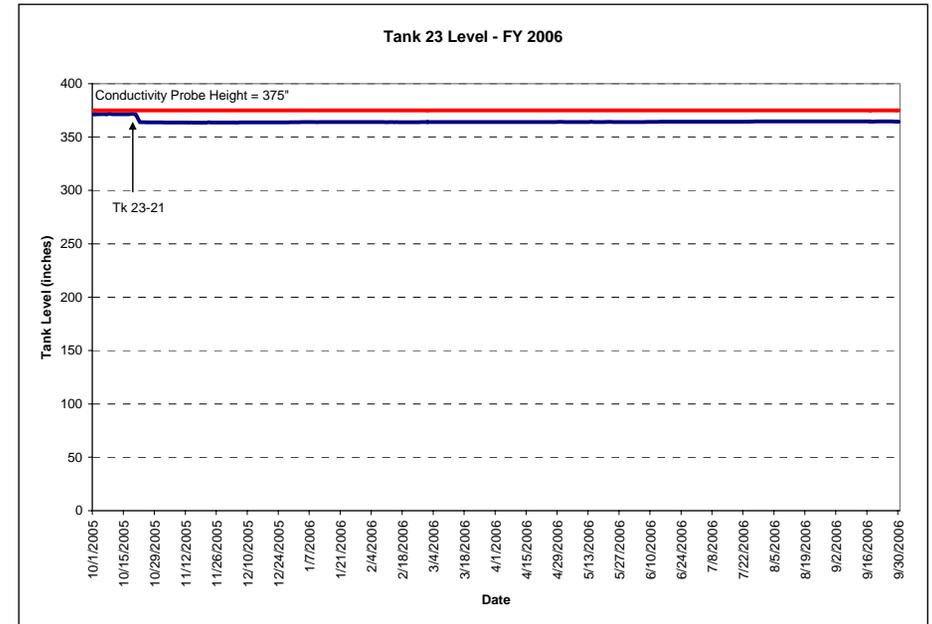
Prime Movers: Fixed Length Jet (32")

Discussion:

There were no major transfers in or out of Tank 23 during FY06. A transfer of ~27k gallons was made to Tank 21 to verify the operability of the Tank 23 transfer jet.

Comments:

Tank 23 materials will be used for aggregation and molarity adjustment in Tank 50 for the salt processing program. This is because the actinide levels of the material in Tank 23 are lower than typical DWPF recycle.



Tank 24:

Service: Concentrated DWPF Recycle Storage Tank

Type: IV

Maximum Volume: 1,309,800 gallons

Working Volume: 1,292,100 gallons

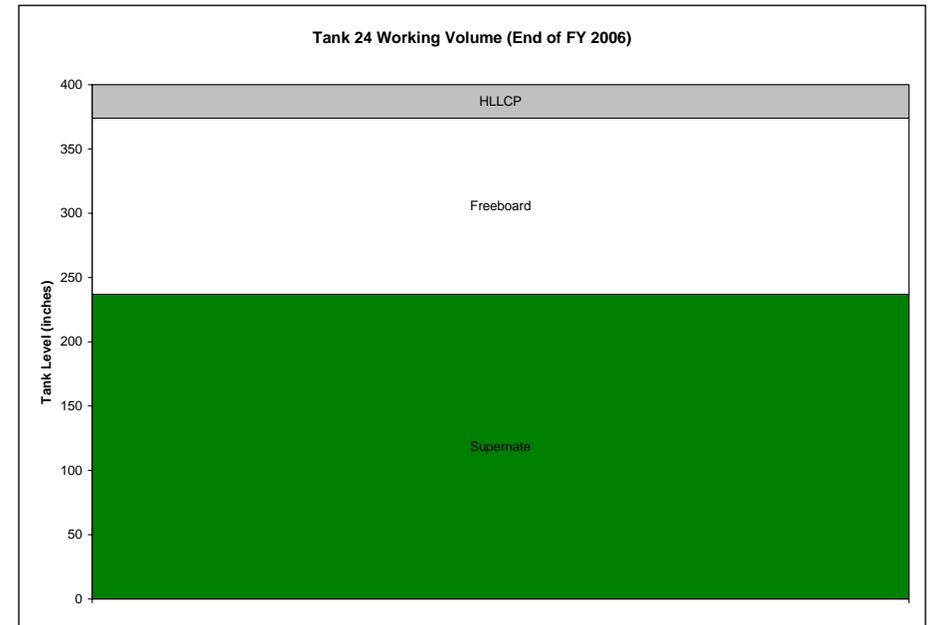
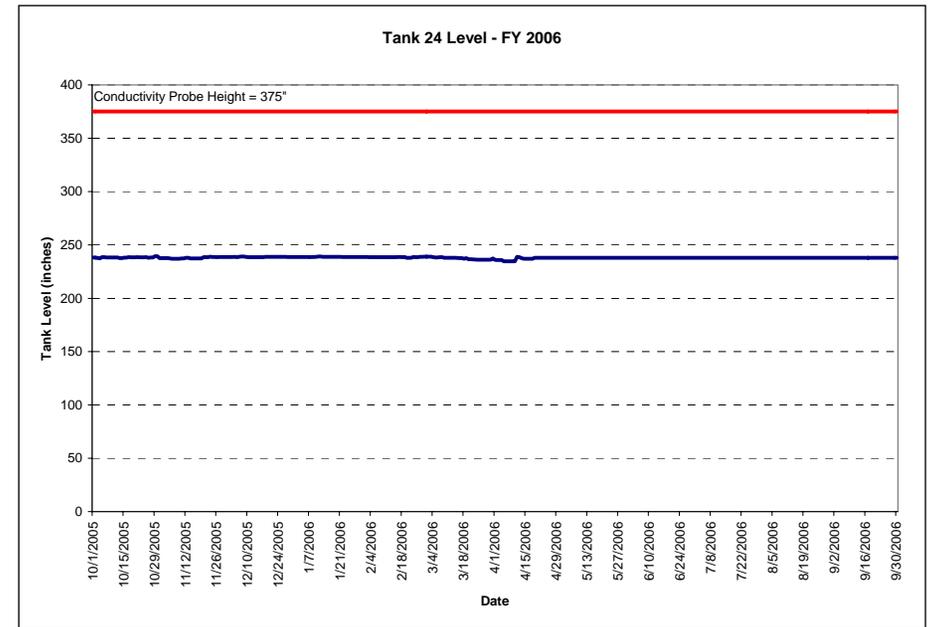
Prime Movers: Fixed Length Pump (5’')

Discussion:

There were no transfers in or out of Tank 24 for FY06. The level remained at approximately 842,000 gallons.

Comments:

The Tank 24 material will ultimately be used as feed to ARP/MCU. Enough room exists in Tank 24 for an additional de-liquoring of the 2H Evaporator System if needed.



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2.7 Tank Space Management: Type III Tanks

The following section describes in detail the use of all Type III / Type IIIA waste tanks located in FTF (Tanks 25-28, 33-34, 44-47) and HTF (Tanks 29-32, 35-43, 48-51). Type III / IIIA waste tanks that serve as evaporator feed or concentrate receipt tanks are not included in this section. Evaporator service tanks are described in the Evaporator Performance section of this report. A detailed summary graph (top right corner of each individual tank page) is presented to portray the major transfers in and out of the tanks over the past fiscal year.

A summary of the major characteristics of the tanks (service, type, maximum volume, working volume, prime movers, discussion, and comments) can also be found for each individual tank (left side of each individual tank page). This information can be used in correlation with the graphs for more details pertaining to the tanks. The future plans for the tanks are also mentioned in this section of the summary.

A working volume chart can also be found in this section (bottom right corner of each individual tank page). This graph can be used to determine the final levels of all materials within the individual waste tanks at the end of FY06. Sludge, salt, supernate, freeboard, and high liquid level conductivity probe (HLLCP) levels are all found on this graph.

Tank 25:

Service: Salt Removal Tank

Type: IIIA

Maximum Volume: 1,281,150 gallons

Working Volume: 1,077,570 gallons

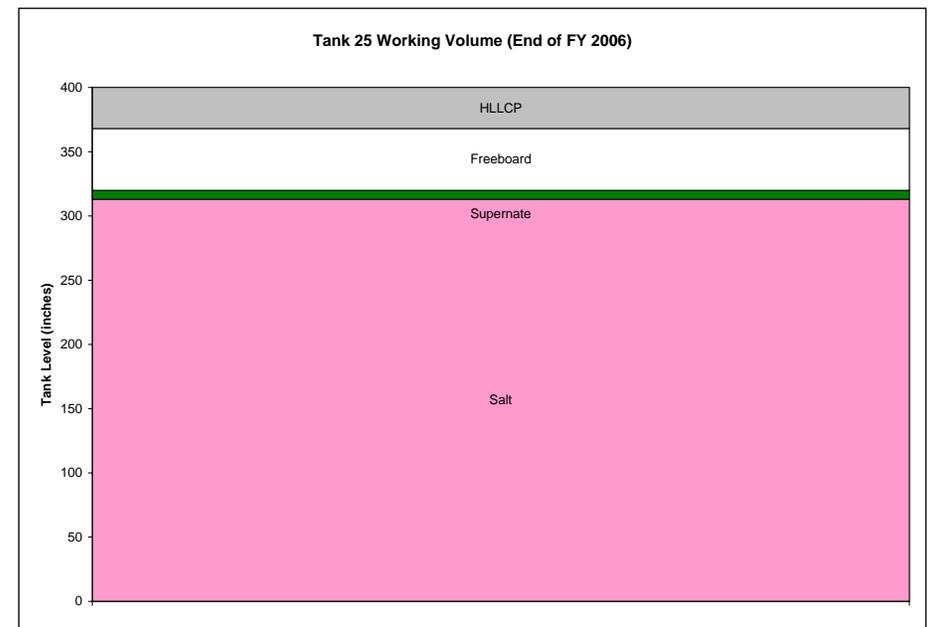
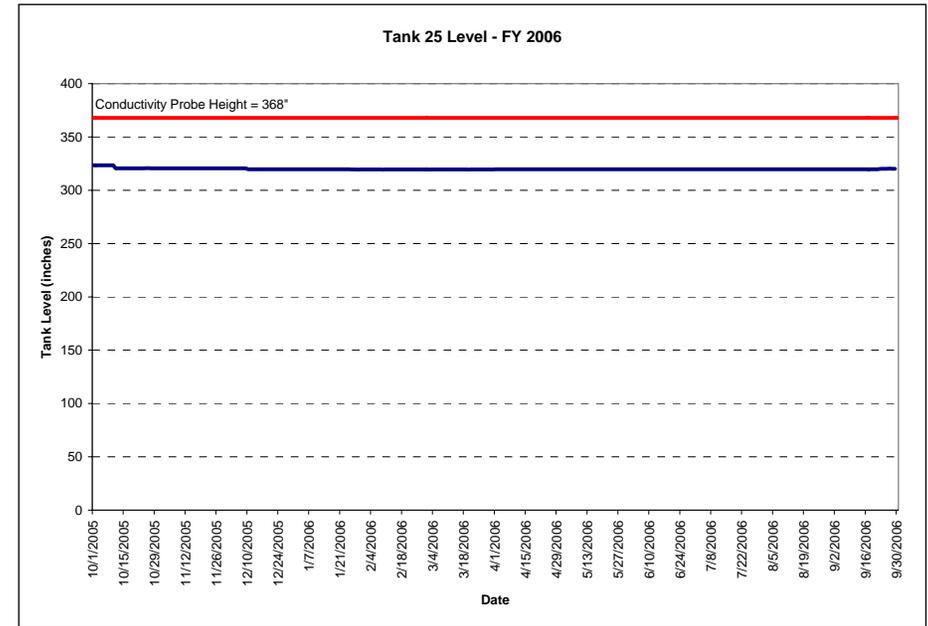
Prime Movers: Interstitial Pump (58")

Discussion:

No additional transfers were made in Tank 25 to prepare for interstitial liquid removal.

Comments:

Interstitial liquid removal will begin in FY07. Salt removal from Tank 25 will follow the draining of interstitial. After salt removal from Tank 25, modifications will be made to return Tank 25 to service as the 2F concentrate receipt tank.



Tank 28:

Service: Inactive Waste Tank

Type: IIIA

Maximum Volume: 1,270,620 gallons

Working Volume: N/A

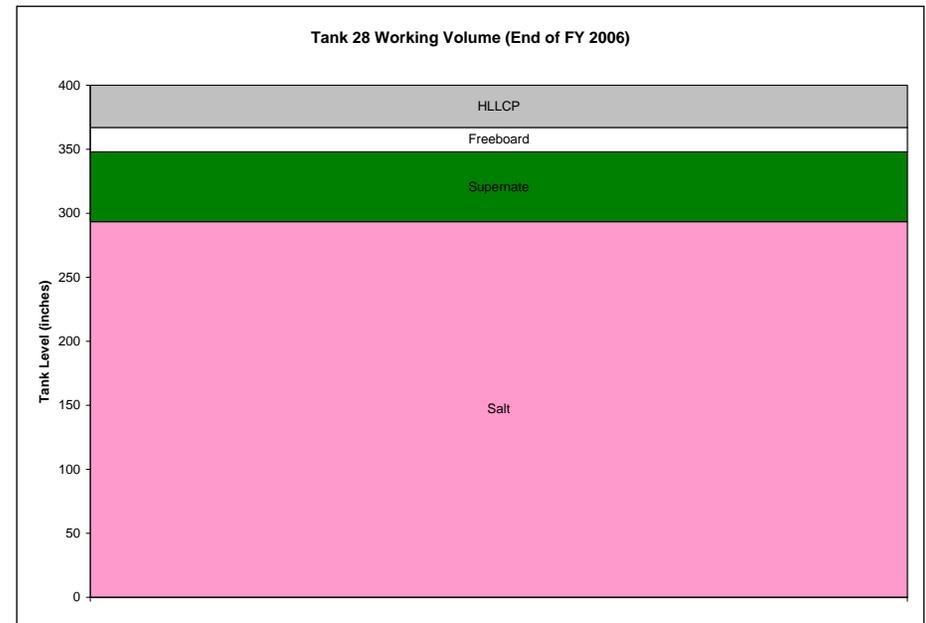
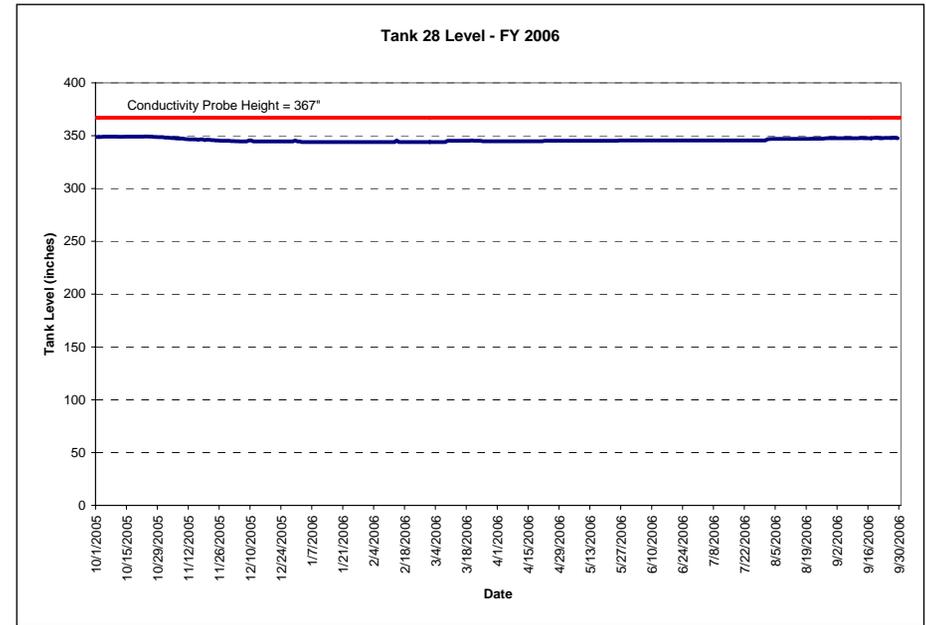
Prime Movers: Telescoping Transfer Jet (unknown)
(Range: 0” – 285”)

Discussion:

There were no transfers in or out of Tank 28 during FY06. The volume remained at approximately 1,220,000 gallons throughout the year.

Comments:

Tank 28 will be a future salt removal tank and will be used as the F-Area hub tank during salt batch preparation activities.



Tank 29:

Service: 3H Vent Tank (when dropping to Tank 30)

Type: III

Maximum Volume: 1,270,620 gallons

Working Volume: N/A

Prime Movers: Fixed Length Jet (292")*

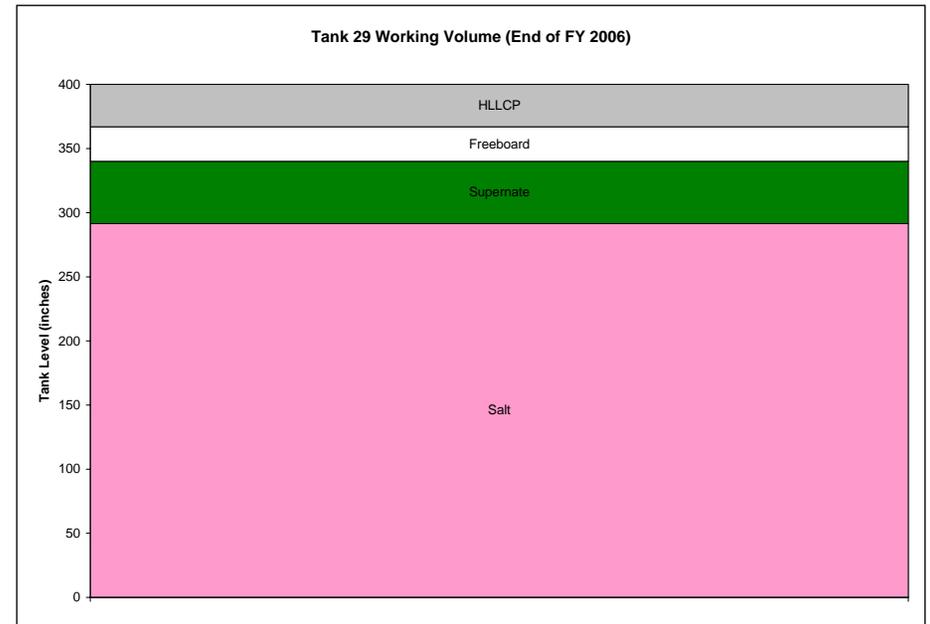
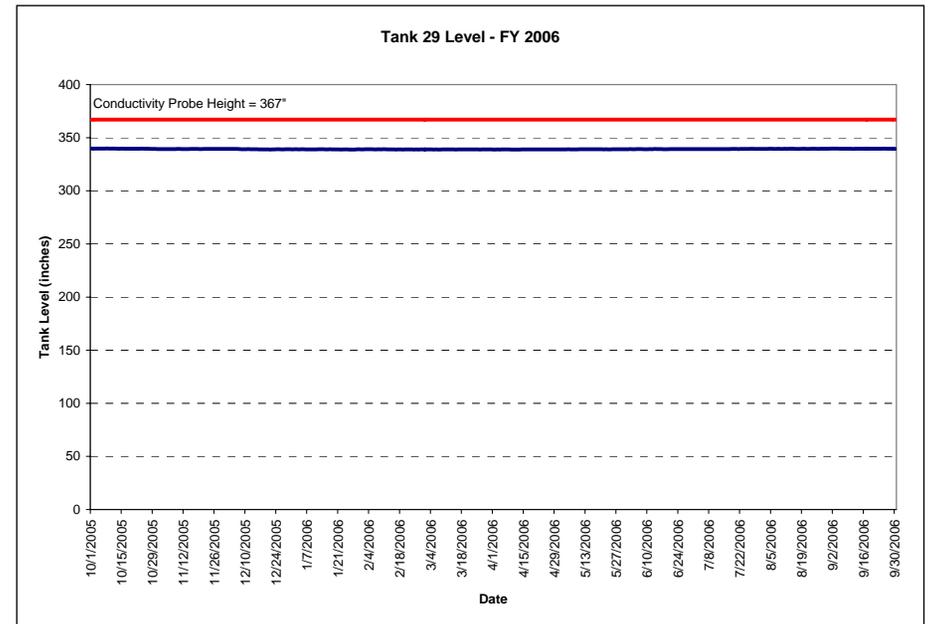
* SW11.1-WTE, Sec 7.2, Rev 13 states an unknown height for this prime mover. The last known recorded height was 292" (SW11.1-WTE, Sec 7.2, Rev 9).

Discussion:

There were no transfers in or out of Tank 29 during FY06. The volume remained at approximately 1,191,700 gallons throughout the year.

Comments:

None.



Tank 30:

Service: Alternate 3H Concentrate Receipt Tank

Type: III

Maximum Volume: 1,210,950 gallons

Working Volume: 659,880 gallons

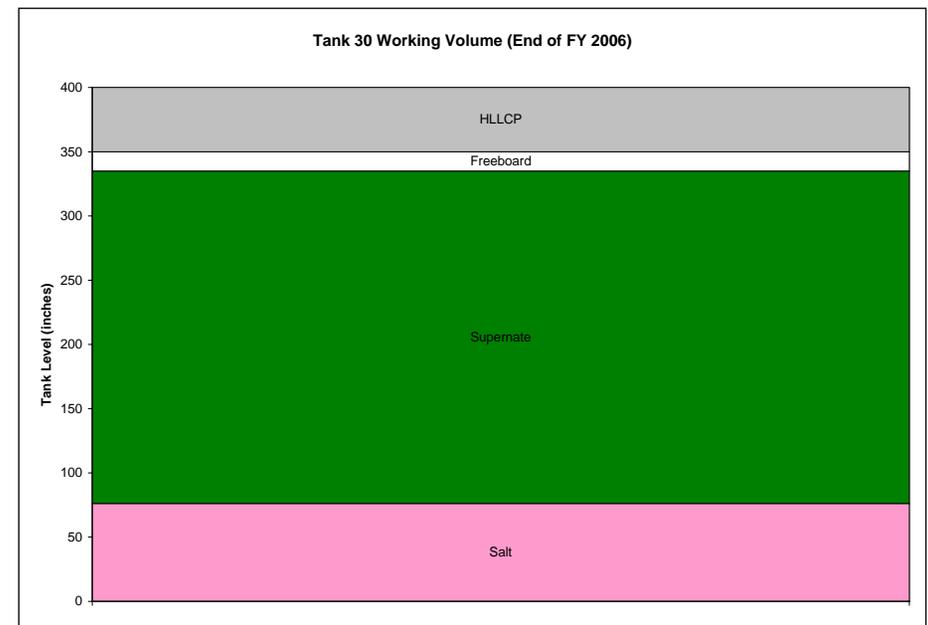
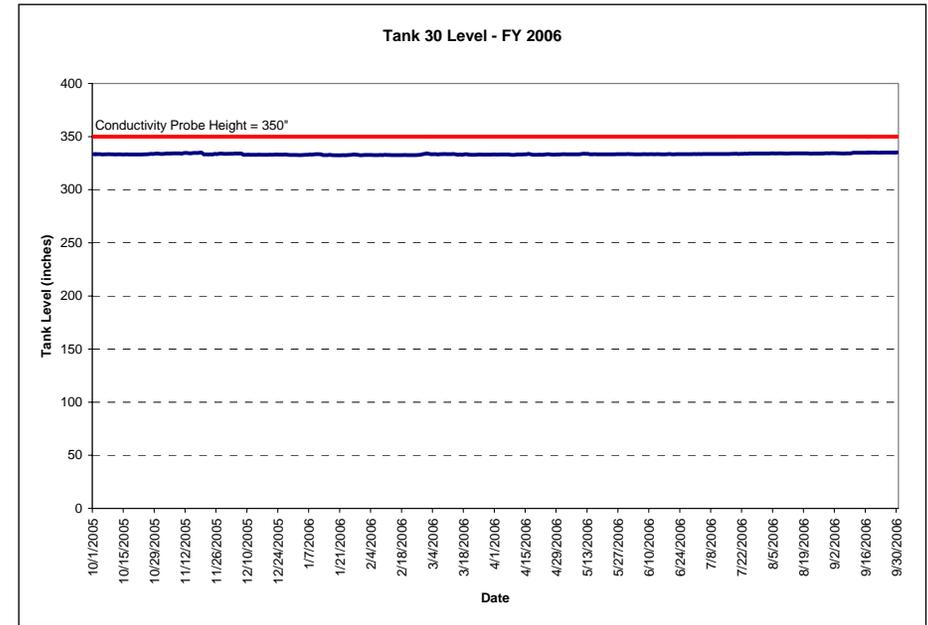
Prime Movers: Telescoping Transfer Jet (157")
(Range: 155.5" – 263")

Discussion:

There were no transfers in or out of Tank 30 during FY06.
The volume remained at approximately 1,176,000 gallons throughout the year.

Comments:

None.



Tank 31:

Service: Inactive Waste Tank

Type: III

Maximum Volume: 1,270,620 gallons

Working Volume: N/A

Prime Movers: Fixed Length Jet (268)*

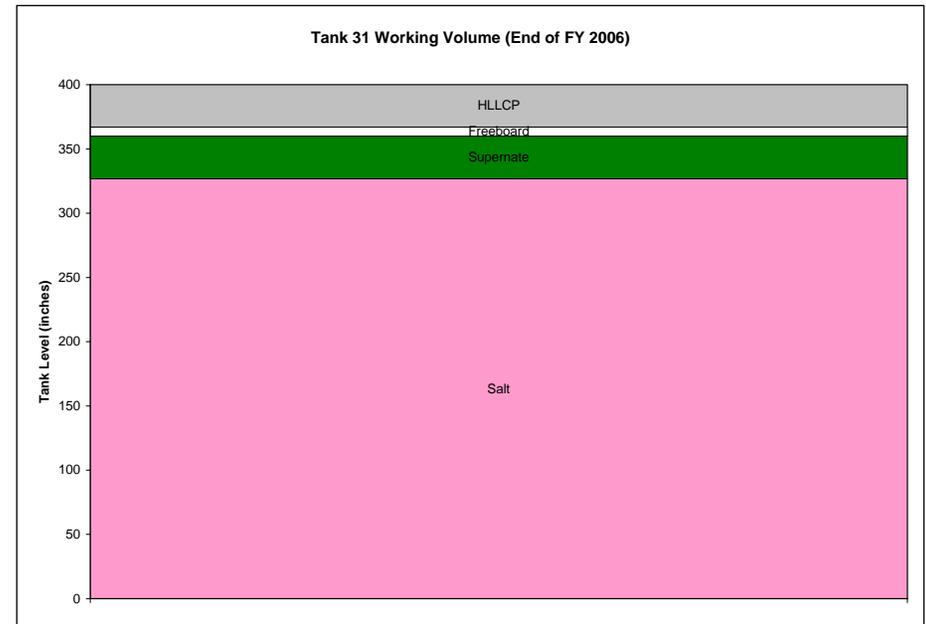
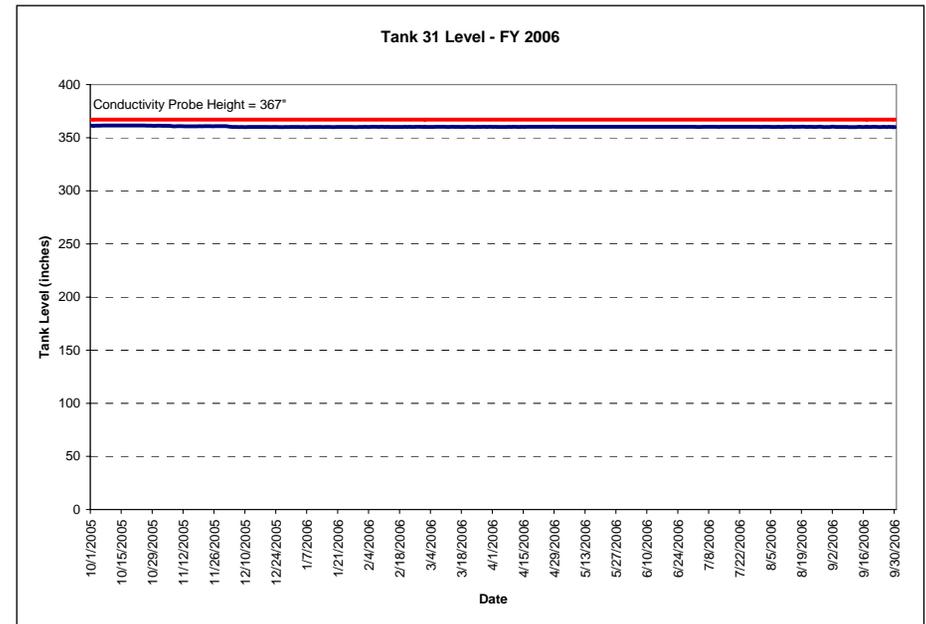
* SW11.1-WTE, Sec 7.2, Rev 13 states an unknown height for this prime mover. The last known recorded height was 268" (SW11.1-WTE, Sec 7.2, Rev 9).

Discussion:

There were no transfers in or out of Tank 31 during FY06. The volume remained at approximately 1,263,600 gallons throughout the year.

Comments:

None.



Tank 33:

Service: 2F Evaporator Liquor Storage Tank

Type: III

Maximum Volume: 1,210,950 gallons

Working Volume: 702,000 gallons

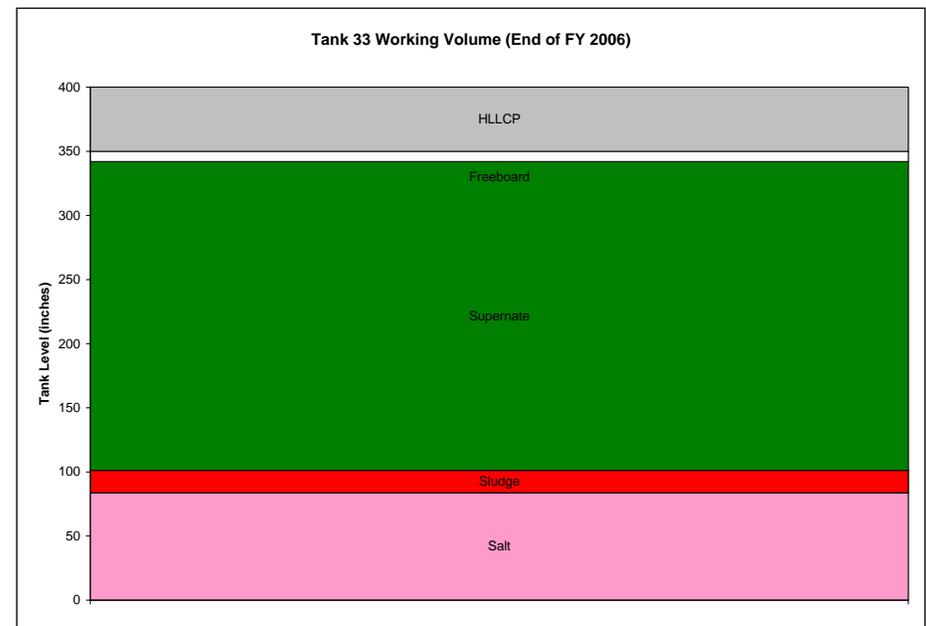
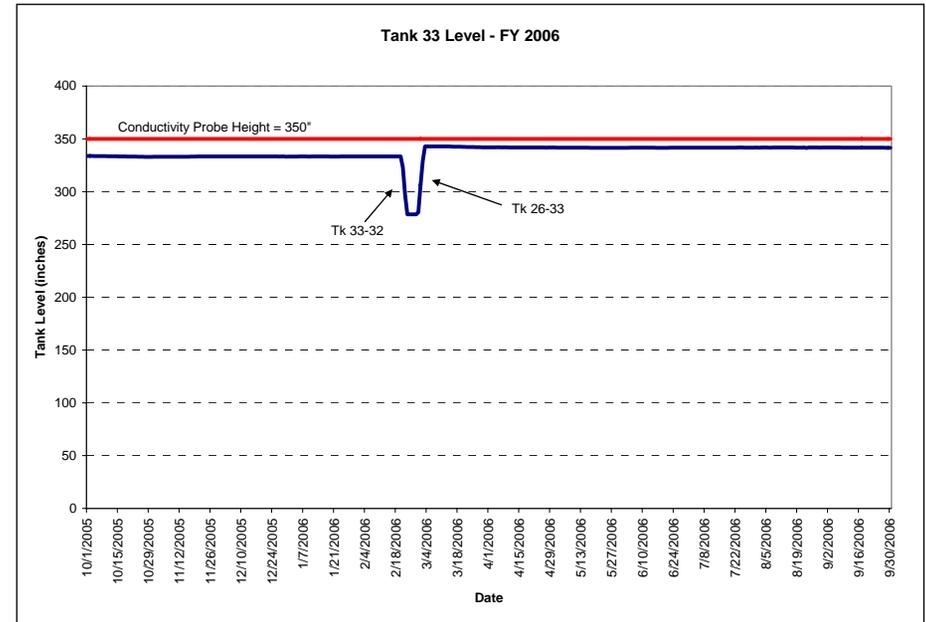
Prime Movers: Telescoping Transfer Jet (145")
(Range: 89.5" – 197")

Discussion:

A Tank 33-32 transfer (193,000 gallons) was completed in February 2006 to further volume reduce the 2F liquor using the 3H Evaporator. A Tank 26 – 33 transfer (220,000 gallons) was completed in March of 2006 to de-liquor the 2F Evaporator System.

Comments:

A Tank 33-32 Transfer is planned for FY07 to further reduce the 2F liquor using the 3H Evaporator. Tank 4 Burkeite removals will then be completed and the Burkeite solutions will be stored in Tank 33.



Tank 34:

Service: Liquor Storage Tank

Type: III

Maximum Volume: 1,123,200 gallons

Working Volume: 770,445 gallons

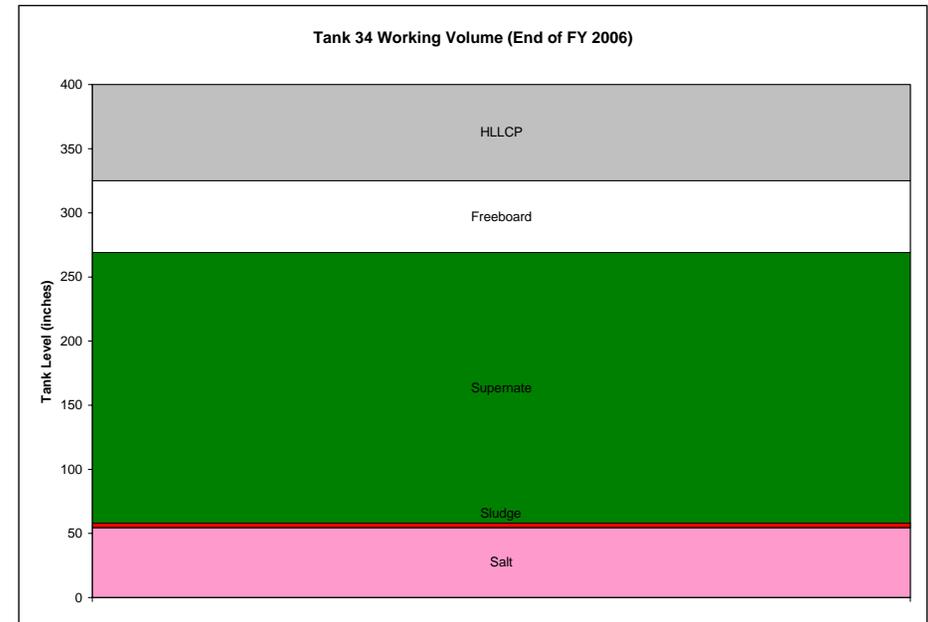
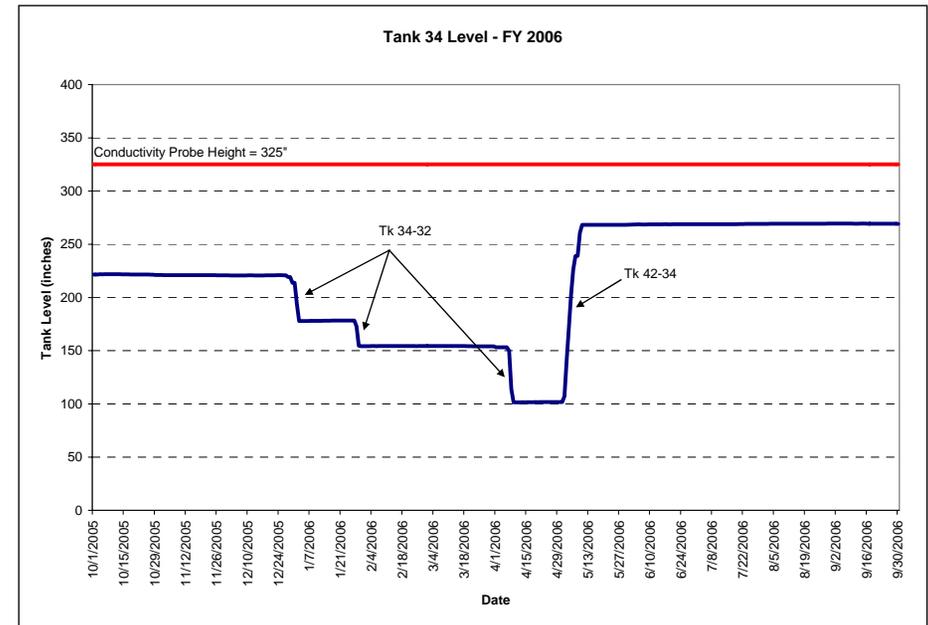
Prime Movers: Fixed Length Jet (100.5")

Discussion:

Three Tank 34 – 32 transfers totaling 429,000 gallons were completed during FY06 to provide fresh feed to the 3H Evaporator. A Tank 42-34 transfer of 571,400 gallons was made to create de-liquoring space in H-Area for the 3H Evaporator System.

Comments:

Tank 34 will continue to store 3H liquor and be the receipt tank for the interstitial liquid in Tank 25 starting in FY07.



Tank 35:

Service: Active Waste Tank

Type: IIIA

Maximum Volume: 1,196,910 gallons

Working Volume: 740,610 gallons

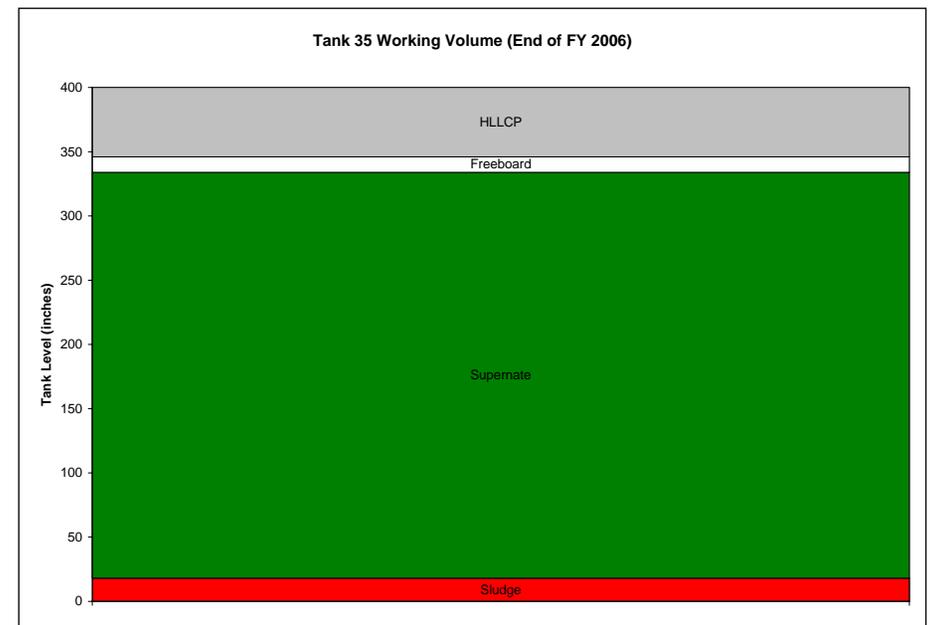
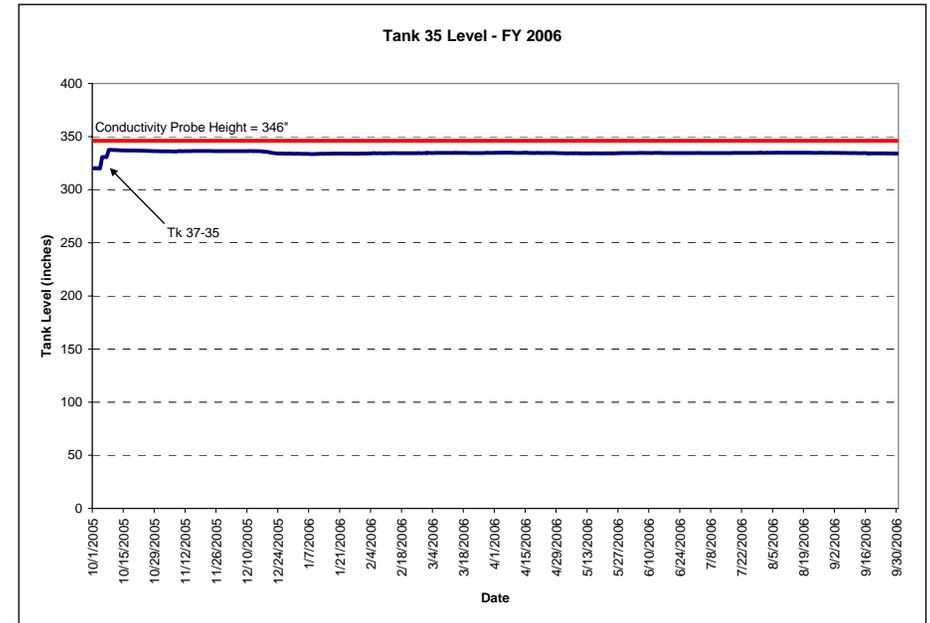
Prime Movers: Telescoping Transfer Jet (130")
(Range: 0" – 206.5")

Discussion:

A Tank 37 salt removal campaign was started in FY05 and finished in FY06. After the addition of approximately 111,200 gallons of Tank 37 salt solution there were no additional transfers into Tank 35. The level remained at approximately 1,172,300 gallons.

Comments:

After Tank 25 is converted as the 2F concentrate receipt tank, salt solution stored in Tank 35 will be transferred to the 2F Evaporator system. This will create space to allow an additional Tank 37 salt removal campaign to be completed.



Tank 36:

Service: Inactive Waste Tank

Type: IIIA

Maximum Volume: 1,270,620 gallons

Working Volume: 565,110 gallons

Prime Movers: Fixed Length Jet (201")

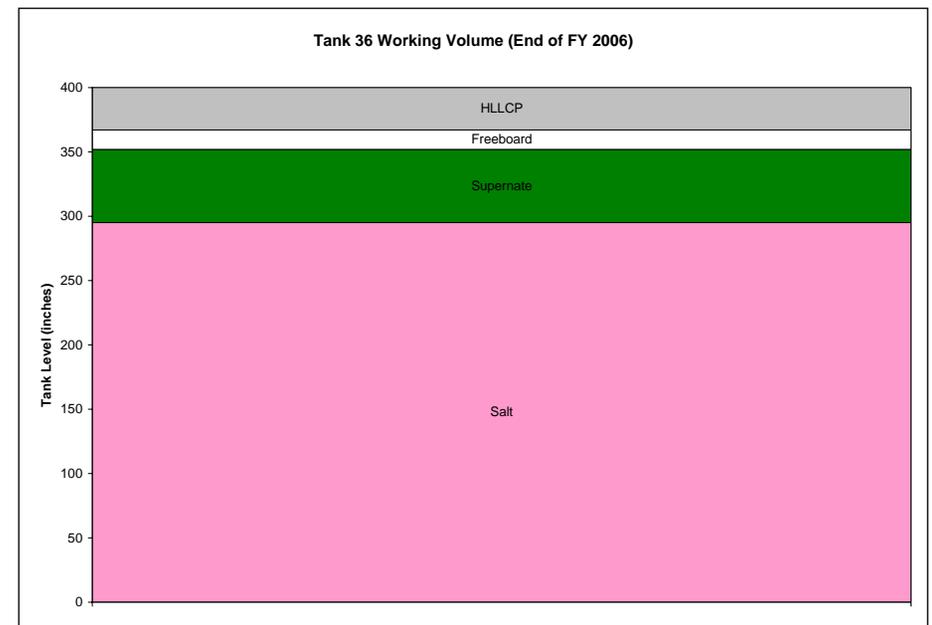
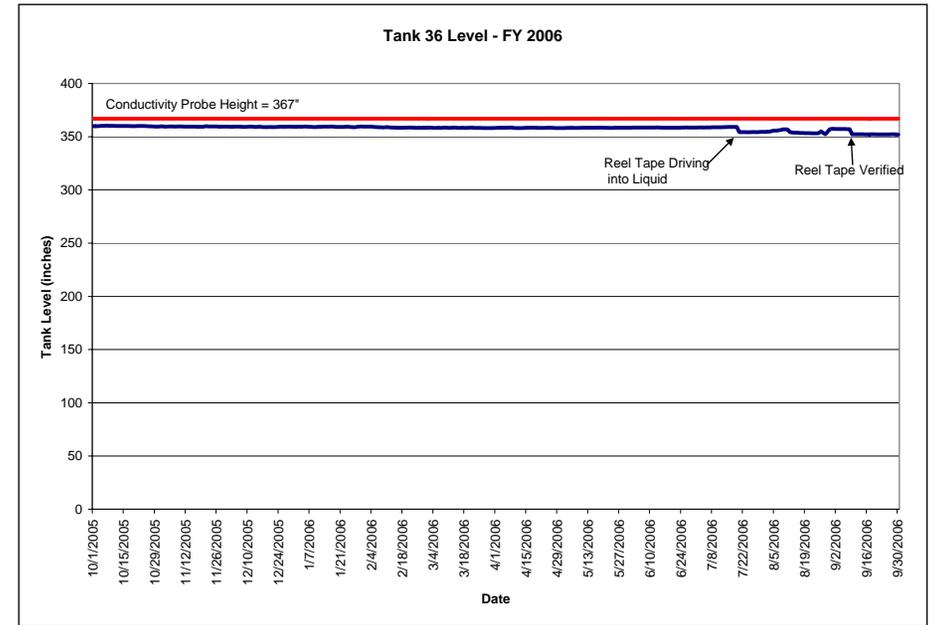
Discussion:

There were no transfers in or out of Tank 36 during FY06.

The volume remained at approximately 1,253,400 gallons throughout most of the year. The reel tape experienced problems with driving into the liquid and was verified at 1,236,900 gallons.

Comments:

None.



Tank 39:

Service: Receipt Tank for H-Canyon

Type: IIIA

Maximum Volume: 1,000,350 gallons

Working Volume: 737,100 gallons

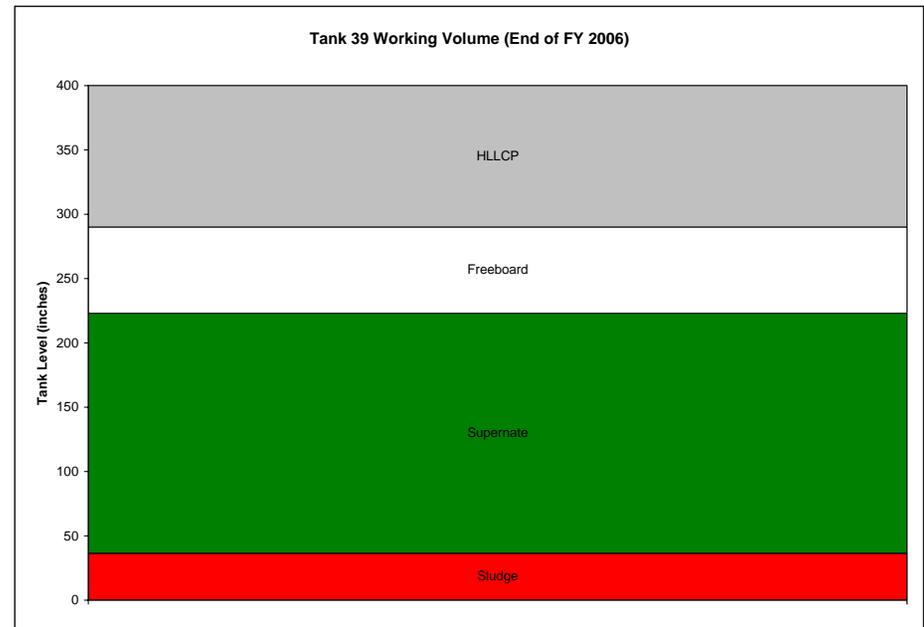
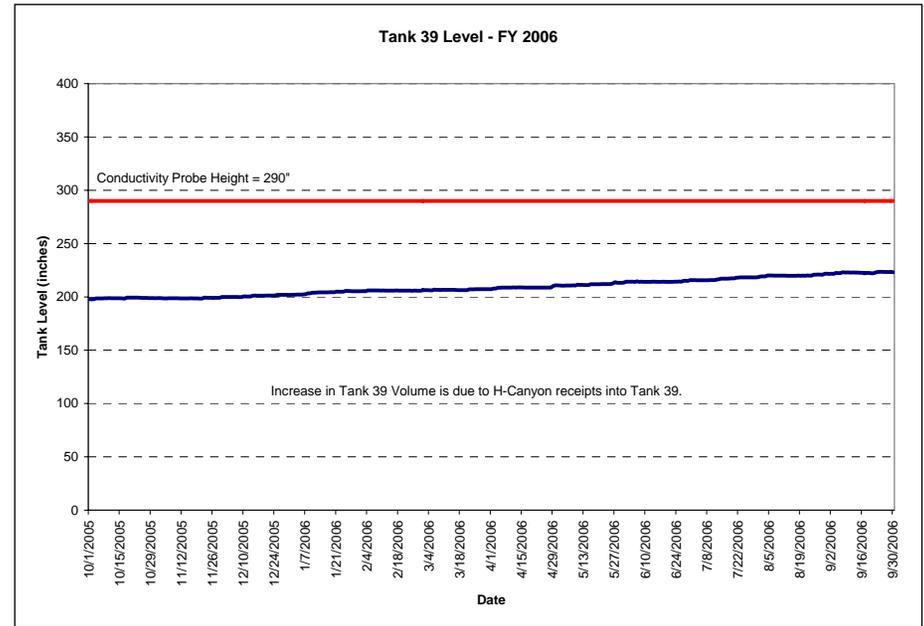
Prime Movers: Fixed Length Jet (75’')

Discussion:

Tank 39 received approximately 69,400 gallons of H-Canyon waste over FY06.

Comments:

Tank 39 will continue to receive H-Canyon waste in the future. Per the DPP, H-Canyon forecasts show waste being sent to the Tank Farm through FY13 with shutdown flows from FY14-FY16.



Tank 40:

Service: Feed Tank for DWPF through LPPP

Type: IIIA

Maximum Volume: 824,850 gallons

Working Volume: 821,340 gallons

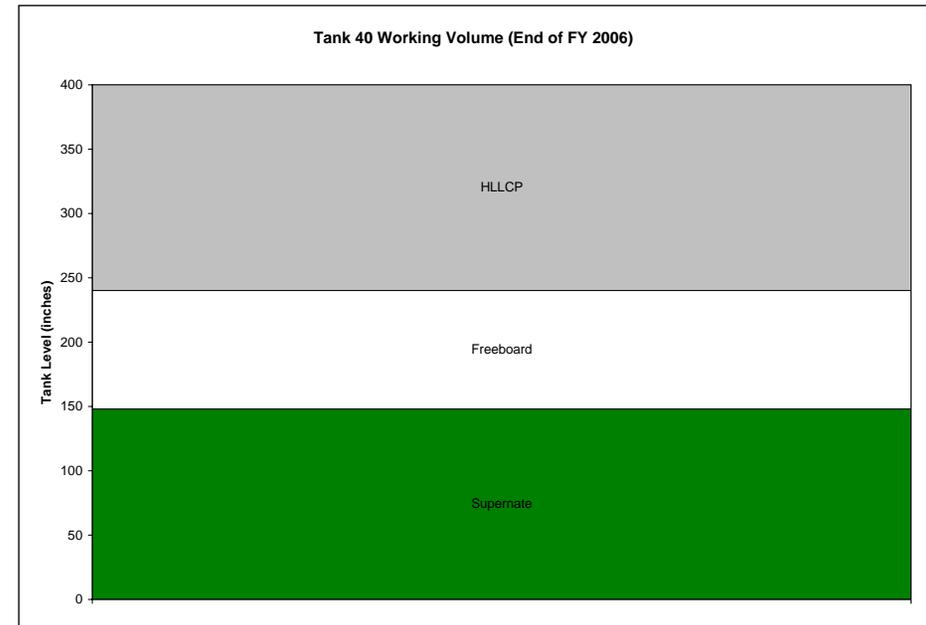
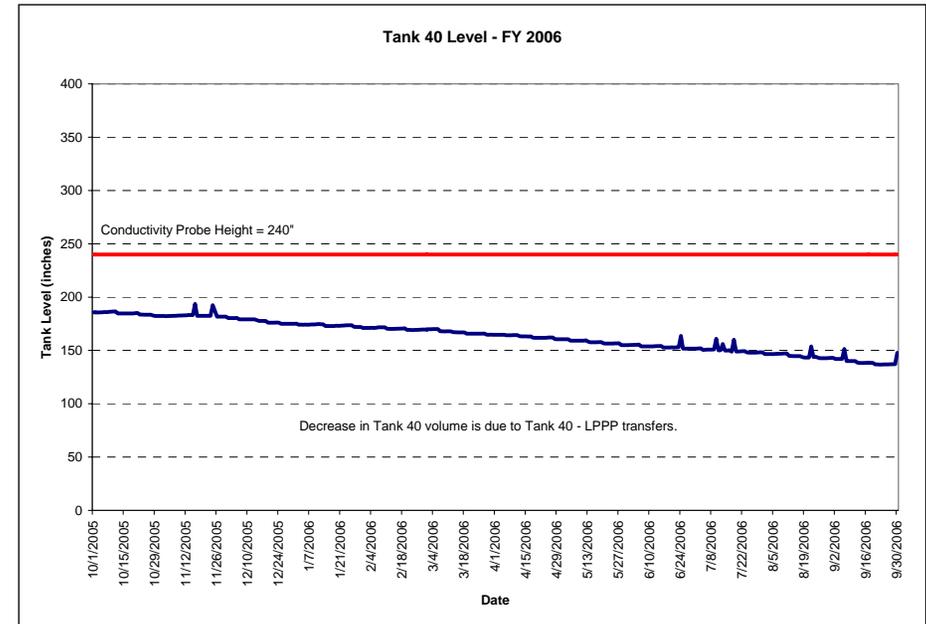
Prime Movers: Telescoping Transfer Jet (180")
(Range: 60" – 255")
Telescoping Transfer Pump (1")

Discussion:

Tank 40 continued to feed DWPF through LPPP during FY06. A total of 236,800 gallons of waste have been transferred to LPPP this year.

Comments:

A Tank 40 – 51 decant transfer is scheduled for FY07 to concentrate the sludge in Tank 40 due to leakage of water from the slurry pump. This concentration is needed so that DWPF can run more efficiently. A Tank 51-40 sludge transfer will also be completed in FY07 to combine SB4 with SB3. Because of the high Al in SB4, it is anticipated that the canister production rate will decrease at DWPF in FY07.



Tank 41:

Service: Dry Salt Removal Tank

Type: IIIA

Maximum Volume: 1,270,620 gallons

Working Volume: 1,266,233 gallons

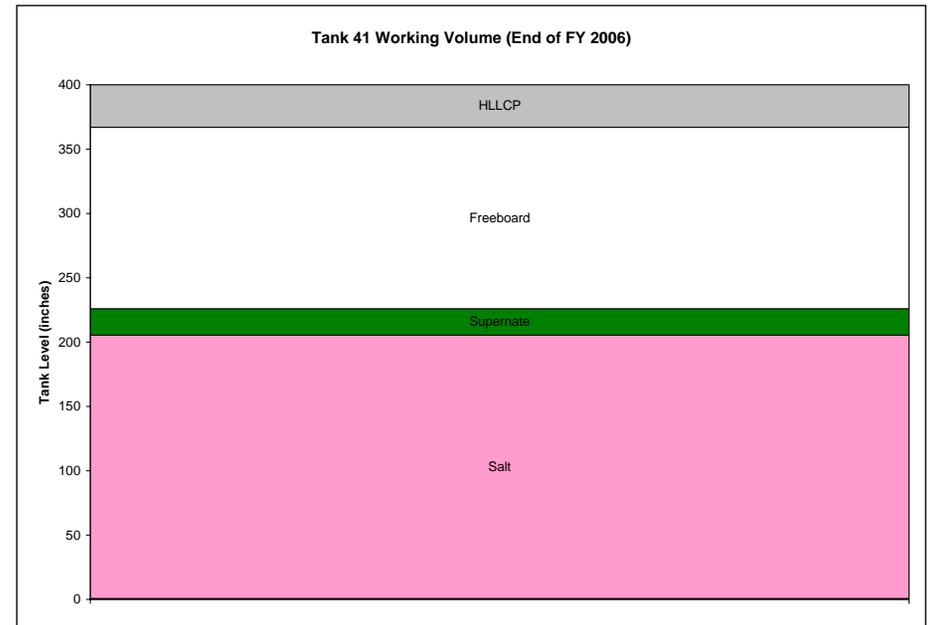
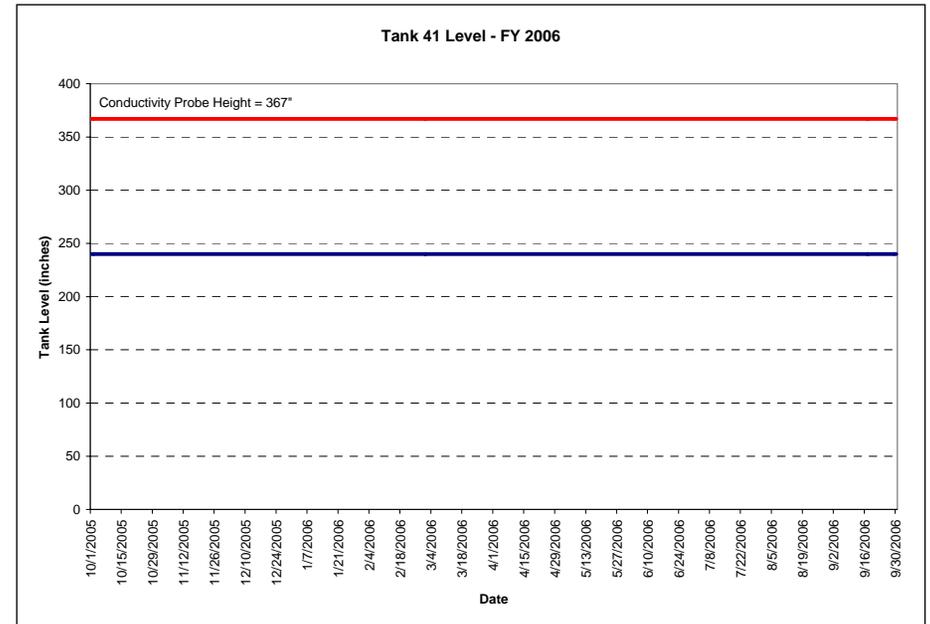
Prime Movers: Pump (1.25”), Pump (250”)

Discussion:

There were no transfers into or out of Tank 41 during FY06. The level remained at approximately 794,300 gallons.

Comments:

Due to permitting issues, SPF has not been able to process salt batches. SPF will begin processing batches in FY07 pending permitting. The remaining salt solution in Tank 49 will then make up Salt Batch 1. Tank 41 salt dissolutions will then be completed and Tank 41 will be the receipt tank for Tank 25 dissolved salt.



Tank 42:

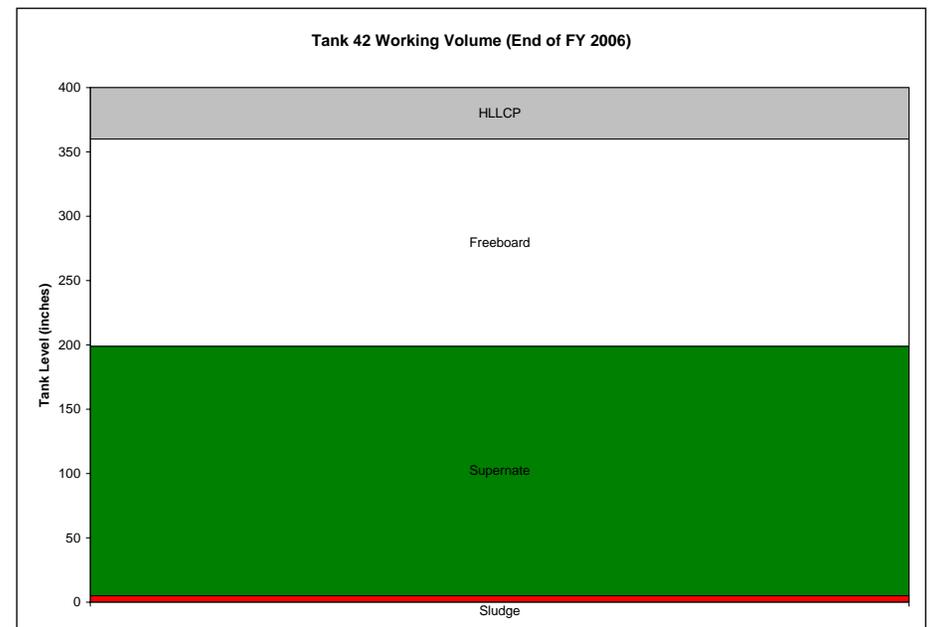
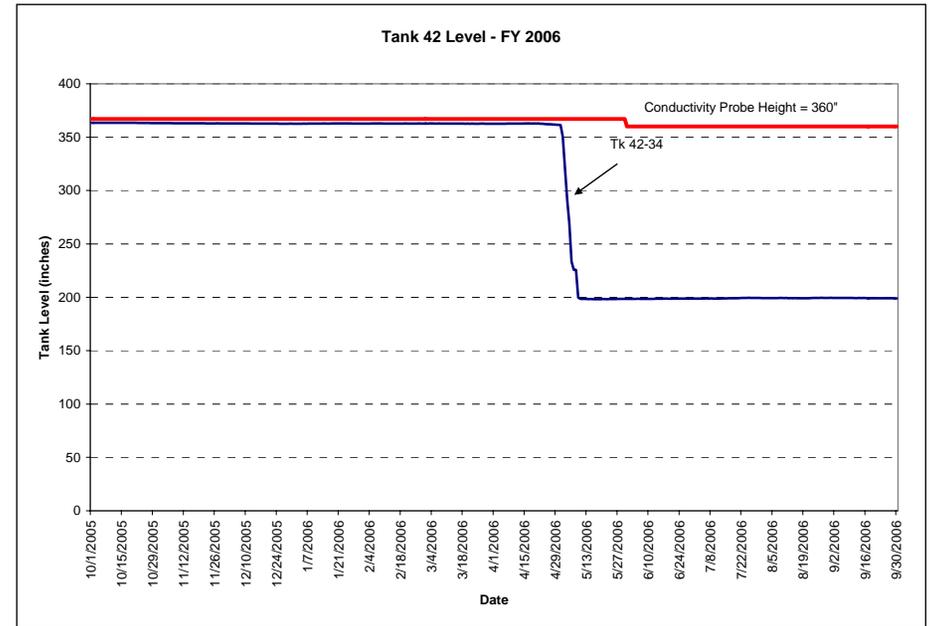
Service: Active Waste Tank
 Type: IIIA
 Maximum Volume: 1,256,580 gallons
 Working Volume: 1,253,070 gallons
 Prime Movers: Telescoping Transfer Jet (75")
 (Range: 65.5" – 236.5")
 Telescoping Transfer Pump (1")

Discussion:

A Tank 42 – 34 transfer was performed to create space in Tank 42 that will be used for future de-liquoring of the 3H Evaporator.

Comments:

Tank 42 will be used in future 3H de-liquoring campaigns.



Tank 44:

Service: Inactive Waste Tank

Type: IIIA

Maximum Volume: 1,281,150 gallons

Working Volume: 1,063,530 gallons

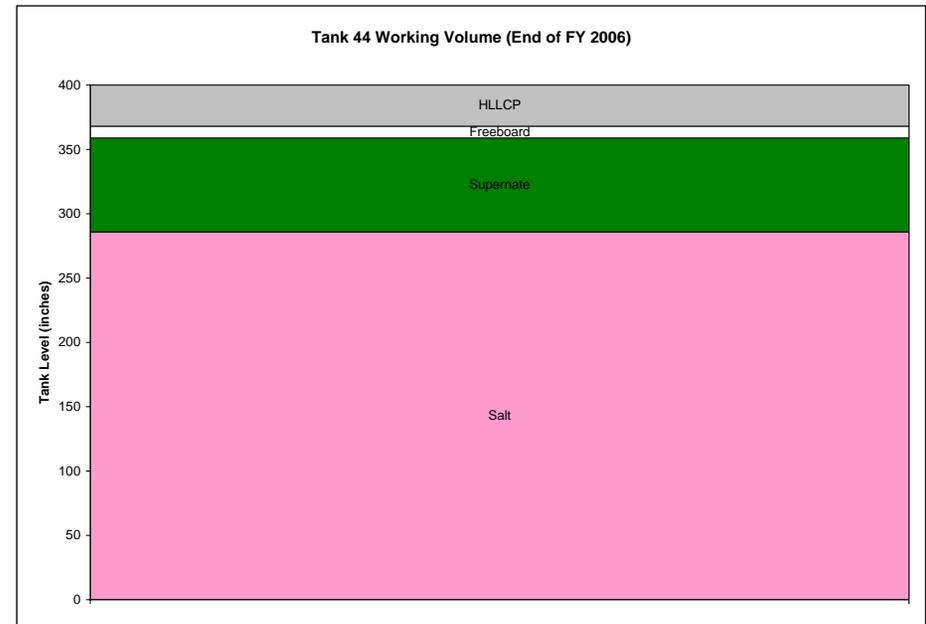
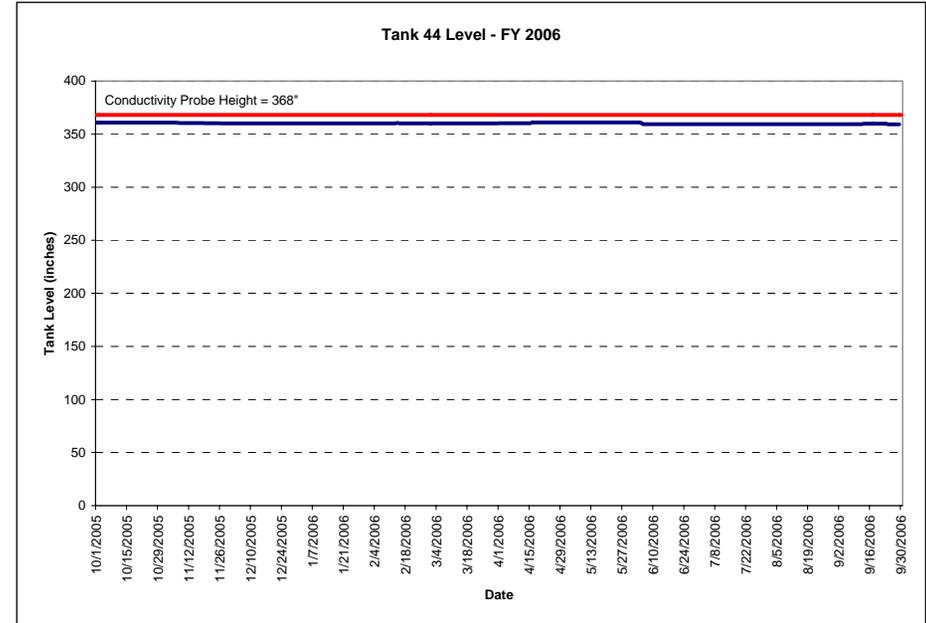
Prime Movers: Fixed Length Jet (60")

Discussion:

There were no transfers in or out of Tank 44 during FY06. The volume remained at approximately 1,260,800 gallons throughout the year.

Comments:

None.



Tank 45:

Service: Inactive Waste Tank

Type: IIIA

Maximum Volume: 1,274,130 gallons

Working Volume: 1,063,530 gallons

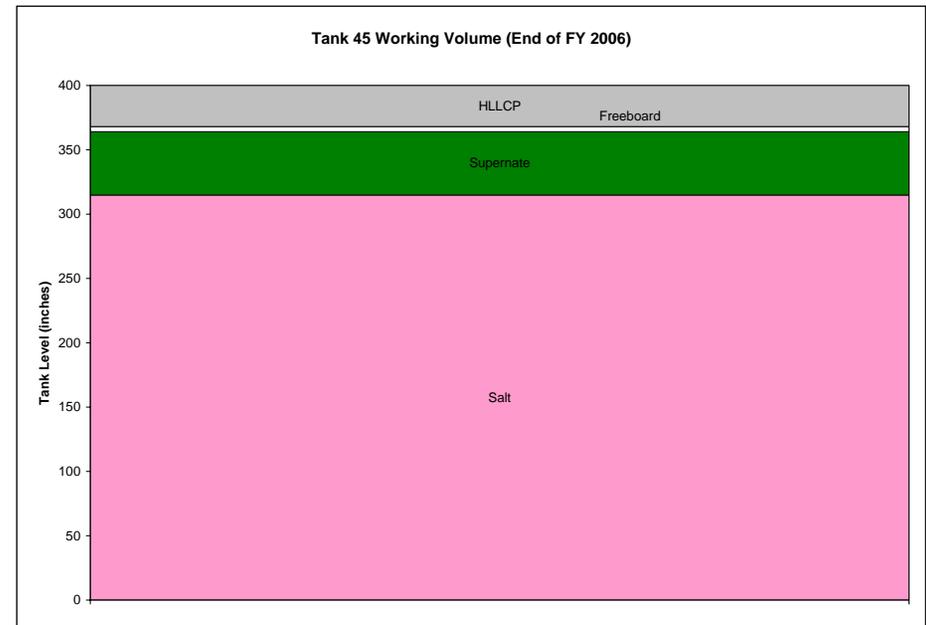
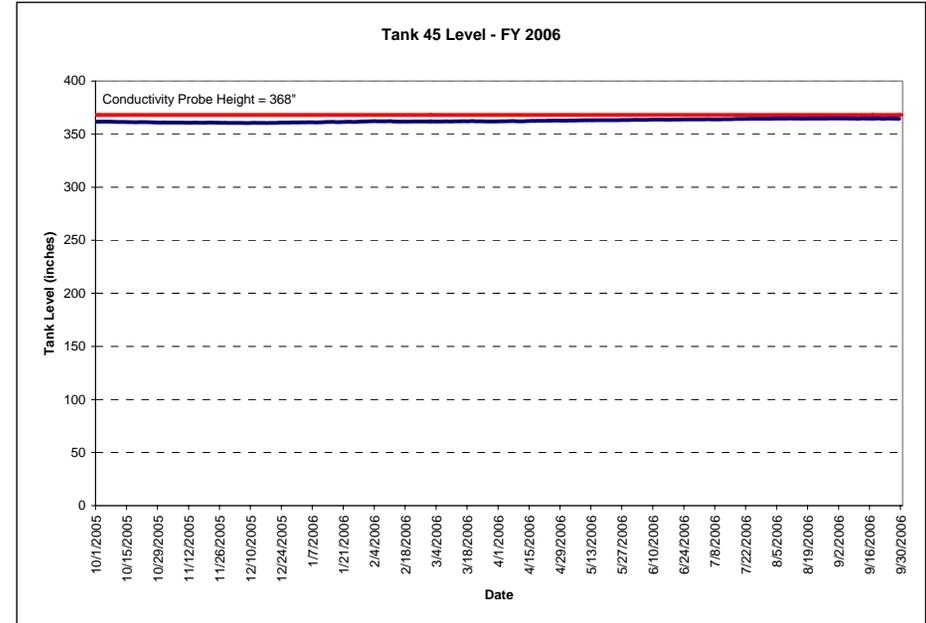
Prime Movers: Fixed Length Jet (60")

Discussion:

There were no transfers in or out of Tank 45 during FY06. The volume remained at approximately 1,279,000 gallons throughout the year.

Comments:

None.



Tank 46:

Service: 2F Concentrate Receipt Tank

Type: IIIA

Maximum Volume: 1,270,620 gallons

Working Volume: 568,620 gallons

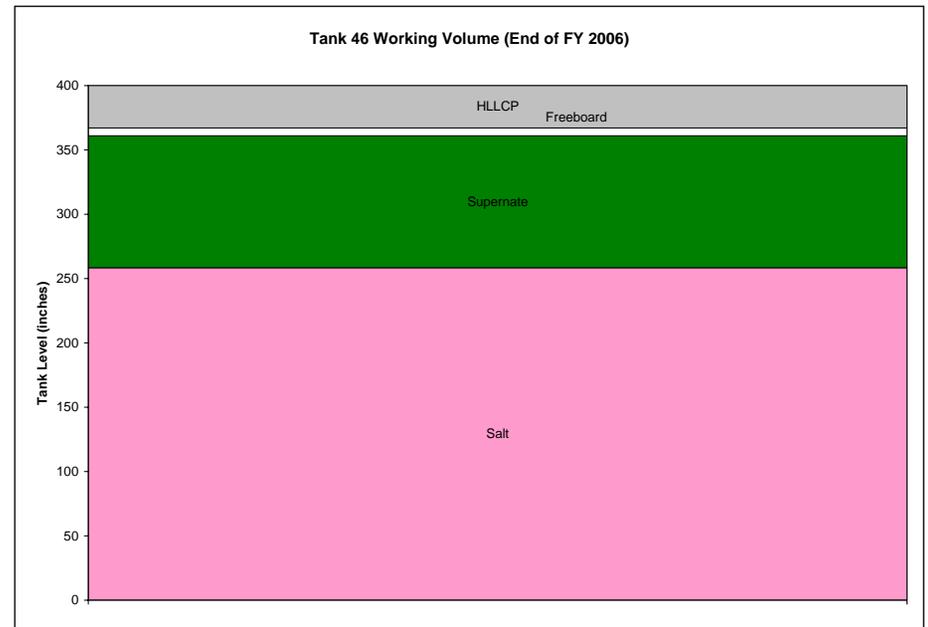
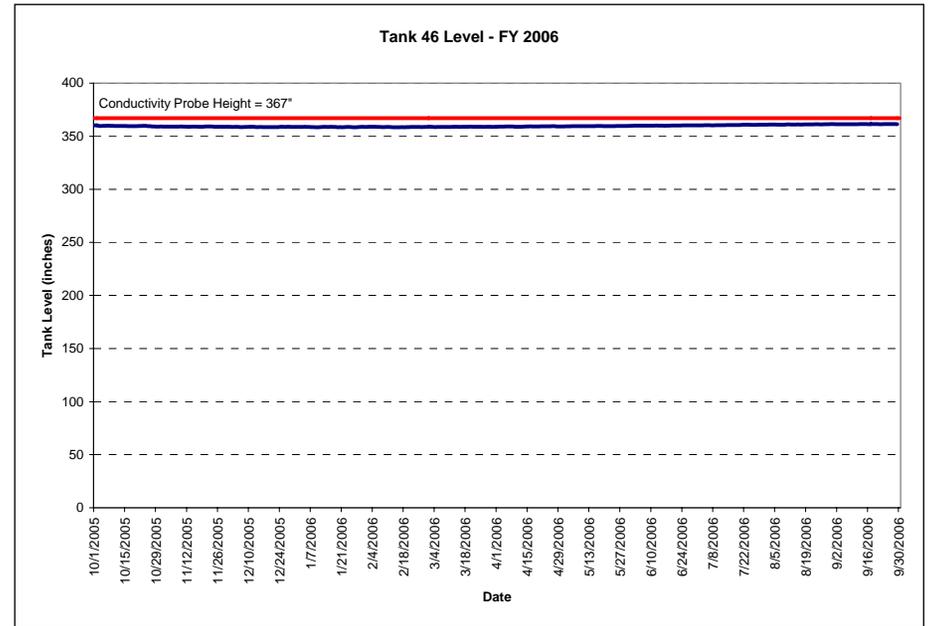
Prime Movers: Fixed Length Jet (200")

Discussion:

There were no transfers into or out of Tank 46 for FY06. The level stayed at approximately 1,268,200 gallons.

Comments:

None.



Tank 47:

Service: Vent Tank for 2F Evaporator System

Type: IIIA

Maximum Volume: 1,270,620 gallons

Working Volume: 171,990 gallons

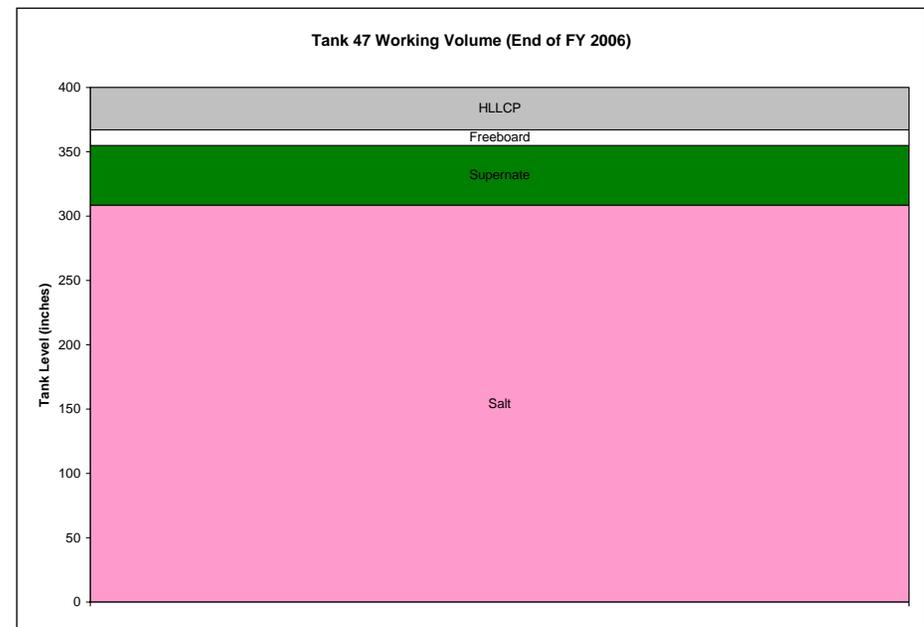
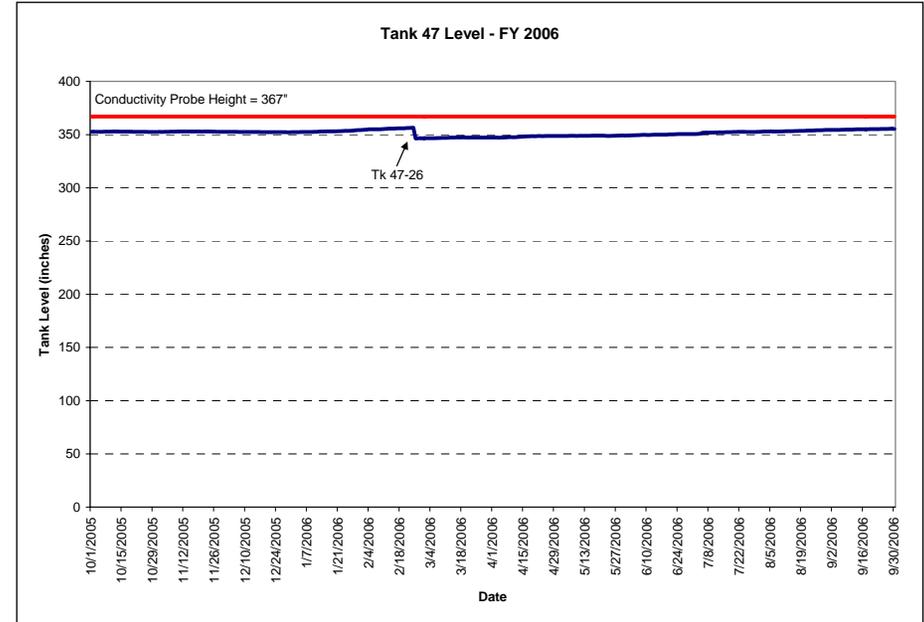
Prime Movers: Fixed Length Jet (313")

Discussion:

A Tank 47 – 26 transfer (38,000 gallons) was completed in February of 2006 to provide space for receipt of steam condensate from the evaporator pot. All increases to Tank 47 are due to Tank 47 service as the 2F Evaporator system vent tank.

Comments:

None.



Tank 48:

Service: Inactive Waste Tank

Type: IIIA

Maximum Volume: 835,380 gallons

Working Volume: 828,360 gallons

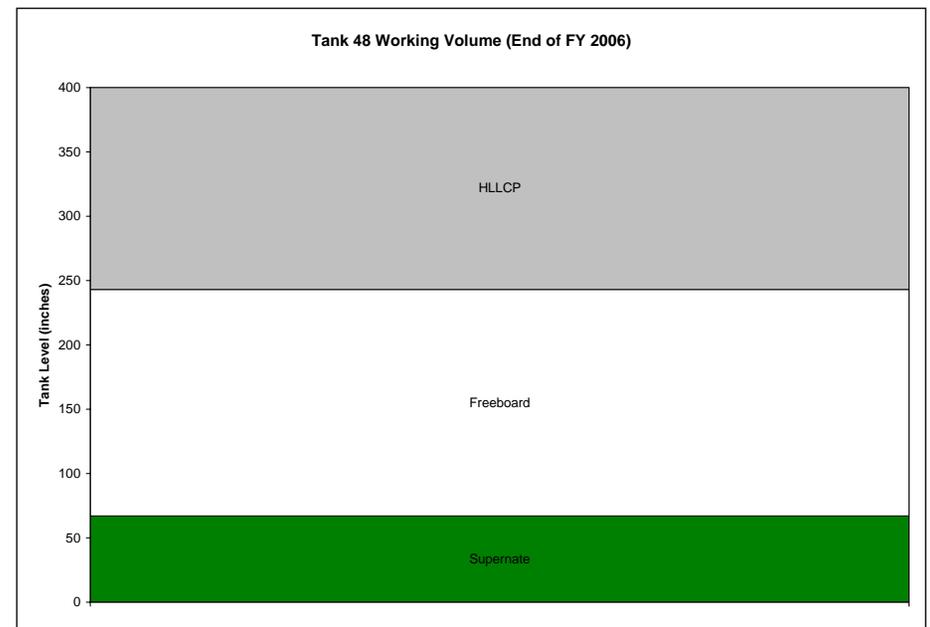
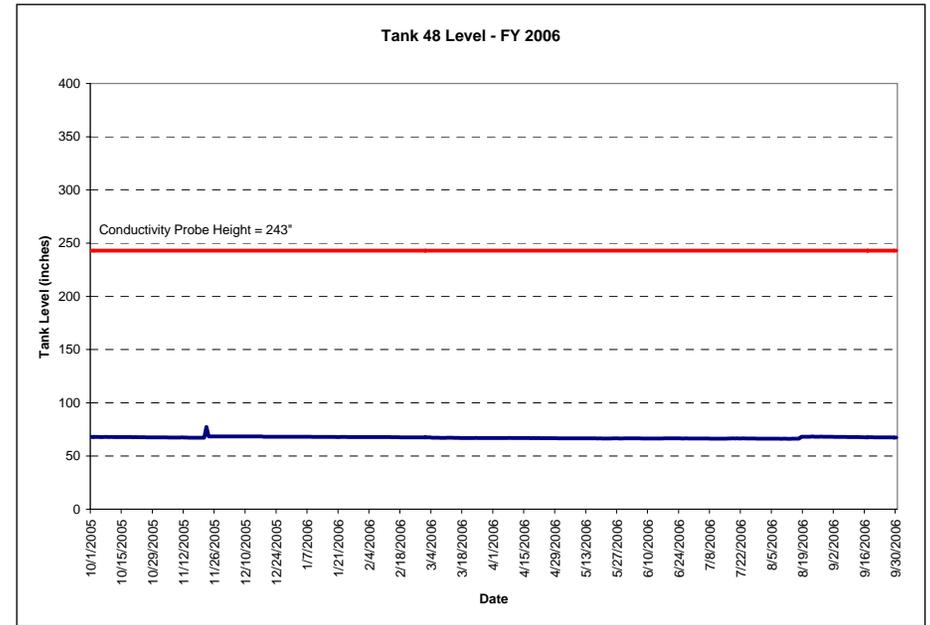
Prime Movers: Telescoping Transfer Pump (2'')

Discussion:

There were no transfers in or out of Tank 48 during FY06. The volume remained at approximately 236,200 gallons throughout the year.

Comments:

The waste inside Tank 48 currently contains NaTPB. An inert nitrogen blanket (N₂) is maintained inside the tank vapor space to mitigate flammability hazards.



Tank 49:

Service: Salt Solution Storage Tank
ARP/MCU Feed Tank

Type: IIIA

Maximum Volume: 1,270,620 gallons

Working Volume: 1,263,600 gallons

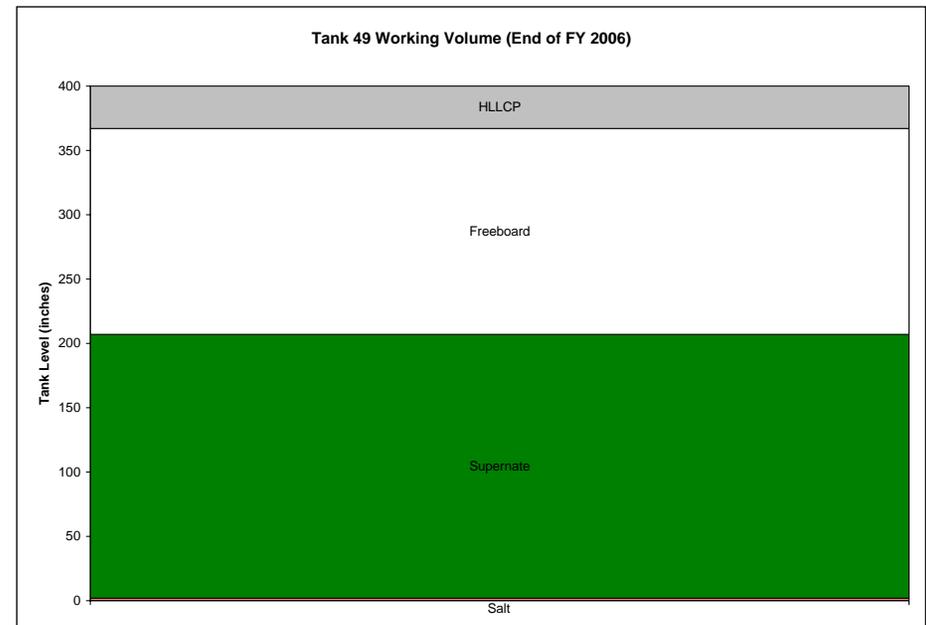
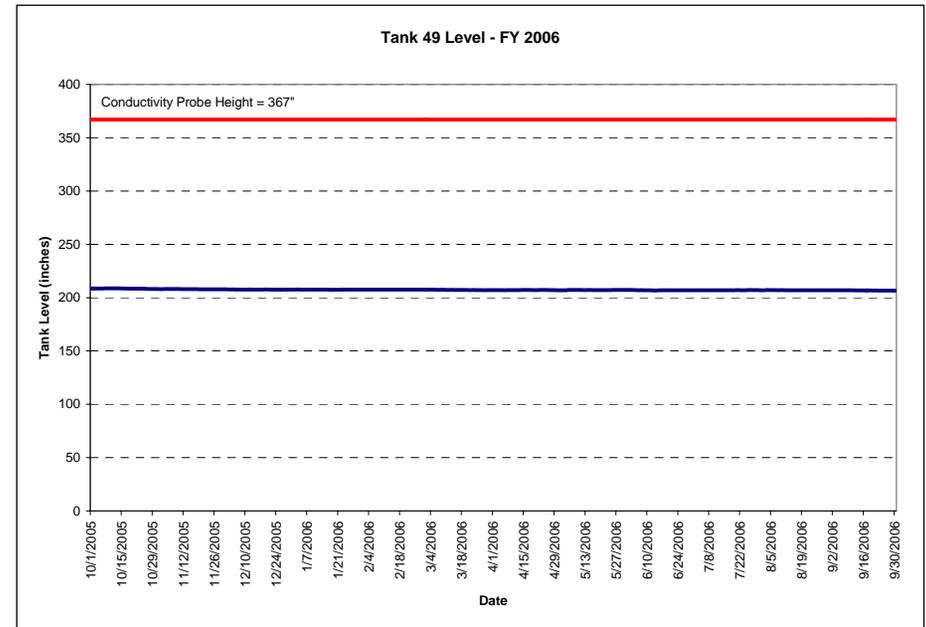
Prime Movers: Telescoping Transfer Pump (2’’)
Telescoping Transfer Pump (38’')

Discussion:

No transfers were performed in Tank 49 in FY06 due to Salt Stone permitting issues. The level remained at approximately 814,320 gallons.

Comments:

During FY07, salt solution will be transferred from Tank 49 – 50 and then sent to Salt Stone (via Tank 50) for encapsulation in grout pending permitting. Tank 49 will also be used to store additional salt solution from Tank 41 and Tank 25 beginning in FY07. When ARP/MCU comes online, Tank 49 will be the feed Tank to the process.



Tank 50:

Service: SPF Feed Tank (ETP concentrate receipt)
And HEU Receipt Tank

Type: IIIA

Maximum Volume: 1,270,620 gallons

Working Volume: 1,257,896 gallons

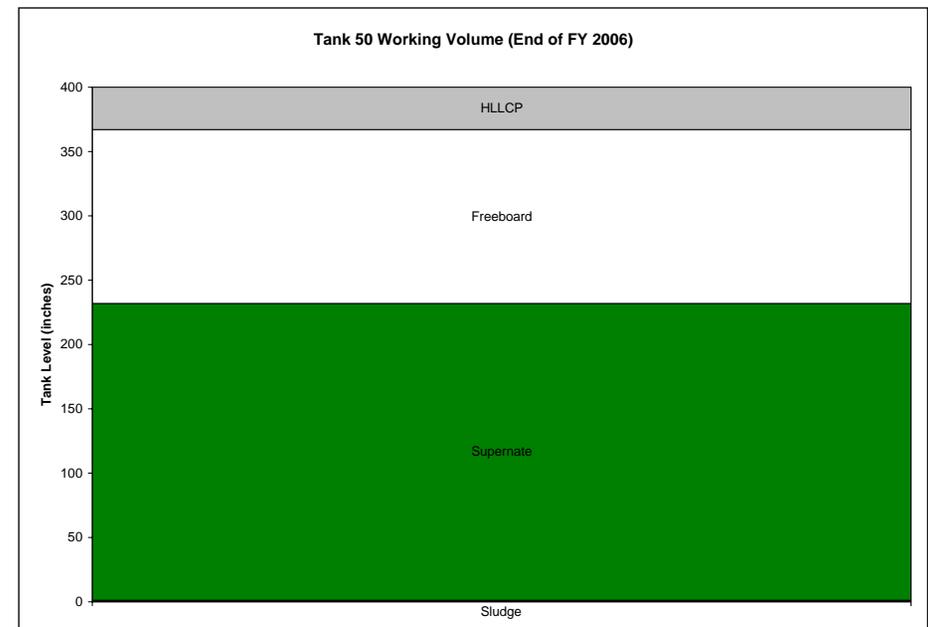
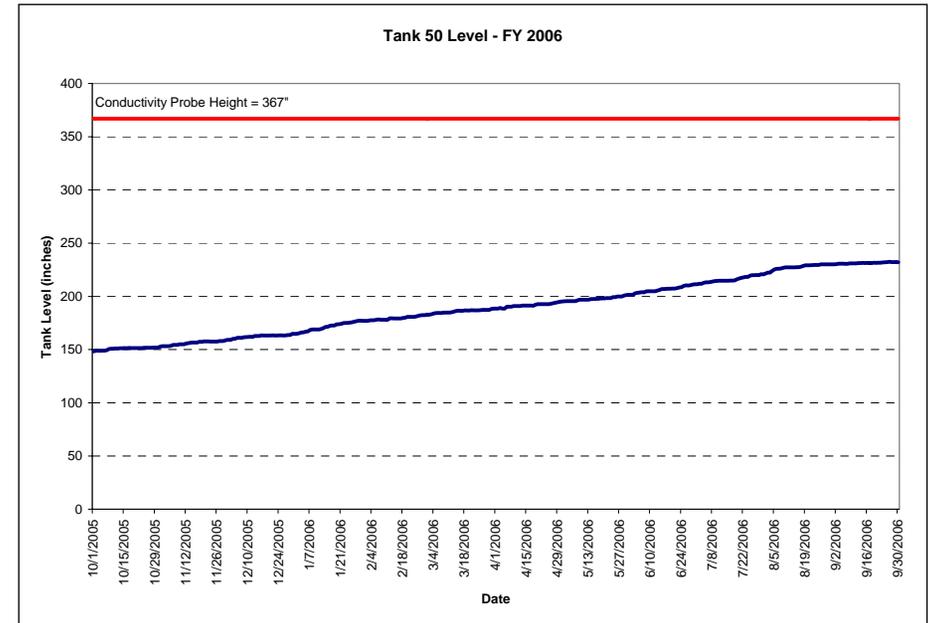
Prime Movers: Telescoping Transfer Pump (3-5/8")

Discussion:

Several ETP – Tank 50 transfers were completed to transfer low level waste from ETP Evaporator bottoms to Tank 50 prior to being sent to Salt Stone. During FY06, a total of 74,100 gallons have been received into Tank 50 from ETP. Tank 50 also received several HEU and GPE bottom receipts from H-Canyon. Throughout FY06, Tank 50 received 211,000 gallons of HEU waste and 25,400 gallons of GPE bottoms.

Comments:

Tank 50 will continue to send feed to SPF upon receipt of the batch 0 permit and completion of the SPF RA. During FY07, Tank 50 will continue to receive ETP and HEU/GPE bottom receipts. Tank 50 will be utilized to prepare DDA batches and feed them to SPF.



Tank 51:

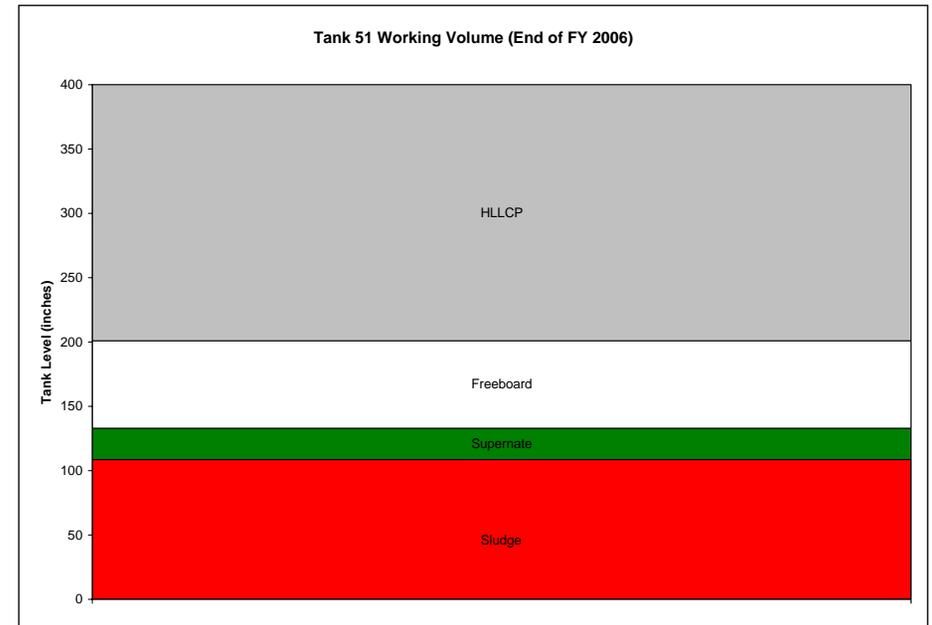
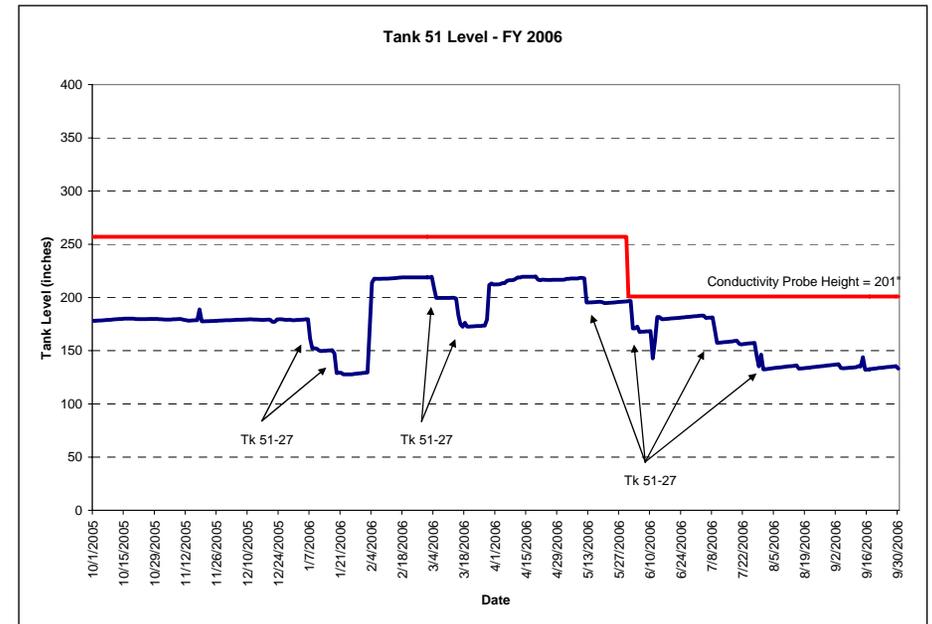
Service: Sludge Preparation Tank
Type: IIIA
Maximum Volume: 687,960 gallons
Working Volume: 684,450 gallons
Prime Movers: Telescoping Transfer Pump (1")
Telescoping Transfer Jet (133")
(Range: 60" – 255")

Discussion:

Nine Tank 51 – 27 transfers were completed during FY06 totaling 765,300 gallons. These nine transfers were decant batches from the SB4 washing.

Comments:

Tank 51 will be used to support preparation of SB5 preparation during FY07. A Tank 51-40 sludge transfer will be completed in FY07 to combine SB4 with SB3. A Tank 40-51 decant transfer is scheduled for FY07 to concentrate the sludge in Tank 40 due to leakage of water from the slurry pump. This concentration is needed so that DWPF can run more efficiently.



2.8 Waste Summary Chart: Sludge, Salt, Supernate, and HLLCP Setpoint Levels (End of FY06)

Tank	Sludge inches	Sludge gallons	Salt inches	Salt gallons	Supernate inches	Supernate gallons	Freeboard inches	Freeboard gallons	HLLCP Setpoint inches	HLLCP Setpoint gallons

1	2.6	7,046	177.1	479,941	6.3	17,073	24.0	65,040	210	569,100
2	1.5	4,065	197.8	536,038	-0.6	-1,626	11.3	30,623	210	569,100
3	1.5	4,065	197.8	536,038	-0.3	-813	11.0	29,810	210	569,100
4	33.5	90,785	12.5	33,875	121.4	328,994	30.6	82,926	198	536,580
5	3.5	9,485	0.0	0	10.4	28,184	144.1	390,511	158	428,180
6	3.2	8,740	0.0	0	0.1	203	151.7	411,107	155	420,050
7	29.3	79,268	0.0	0	149.7	405,552	11.1	30,081	190	514,900
8	1.5	4,065	0.0	0	73.9	200,269	134.6	364,766	210	569,100
9	1.0	2,710	197.0	533,870	4.8	13,008	7.2	19,512	210	569,100
10	1.0	2,710	78.0	211,380	-8.0	-21,680	139.0	376,690	210	569,100
11	0.0	0	0.0	0	10.5	28,455	134.5	364,495	145	392,950
12	69.7	188,887	0.0	0	-0.2	-542	20.5	55,555	90	243,900
13	81.8	286,125	0.0	0	153.1	535,675	30.2	105,700	265	927,500
14	8.0	28,000	37.0	129,500	-3.2	-11,200	58.2	203,700	100	350,000
15	89.0	311,500	0.0	0	-46.1	-161,350	57.1	199,850	100	350,000
16	0.0	0	0.0	0	0.0	0	0.0	0	0	0
17	0.0	0	0.0	0	0.0	0	0.0	0	0	0
18	1.2	4,319	0.0	0	1.2	4,177	100.6	356,124	103	364,620
19	4.2	15,010	0.0	0	0.2	566	104.6	370,284	109	385,860
20	0.0	0	0.0	0	0.0	0	0.0	0	0	0
21	3.1	10,974	0.0	0	322.2	1,140,588	49.7	175,938	375	1,327,500
22	7.2	25,488	0.0	0	360.3	1,275,462	7.5	26,550	375	1,327,500
23	15.6	55,224	0.0	0	348.8	1,234,752	10.6	37,524	375	1,327,500
24	1.0	3,540	0.0	0	236.9	838,626	137.1	485,334	375	1,327,500
Total		1,142,005		2,460,642		5,854,373		4,182,120		13,639,140
25	0.0	0	313.0	1,098,630	7.0	24,570	48.0	130,080	368	1,291,680
26	0.0	0	74.6	261,951	193.9	680,484	79.5	215,445	348	1,221,480
27	1.1	3,861	295.3	1,036,503	18.5	64,935	45.1	158,301	360	1,263,600
28	0.0	0	293.4	1,029,834	54.2	190,242	19.4	68,094	367	1,288,170
29	0.0	0	291.5	1,023,165	48.0	168,480	27.5	96,525	367	1,288,170
30	0.2	632	76.1	267,181	258.8	908,388	14.9	52,299	350	1,228,500
31	0.0	0	326.7	1,146,717	33.3	116,883	7.0	24,570	367	1,288,170
32	28.1	98,456	0.0	0	206.6	724,991	46.4	162,864	281	986,310
33	17.5	61,425	83.7	293,787	240.3	843,453	8.5	29,835	350	1,228,500
34	3.6	12,636	54.5	191,295	211.1	740,961	55.8	195,858	325	1,140,750
35	18.0	63,180	0.0	0	316.0	1,109,160	12.0	42,120	346	1,214,460
36	0.1	186	294.9	1,035,264	57.1	200,421	14.9	52,299	367	1,288,170
37	0.0	0	293.4	1,029,834	69.9	245,349	3.7	12,987	367	1,288,170
38	0.0	0	244.5	858,195	69.6	244,296	52.9	185,679	367	1,288,170
39	36.5	128,115	0.0	0	186.7	655,317	66.8	234,468	290	1,017,900
40	0.0	0	0.0	0	147.7	518,427	92.3	323,973	240	842,400
41	0.8	2,668	204.7	718,637	20.8	73,008	140.7	493,857	367	1,288,170
42	5.0	17,550	0.0	0	193.9	680,589	161.1	565,461	360	1,263,600
43	68.6	240,786	0.0	0	270.8	950,508	8.6	30,186	348	1,221,480
44	0.0	0	285.8	1,003,018	73.4	257,774	8.8	30,888	368	1,291,680
45	0.0	0	314.8	1,104,808	49.6	174,236	3.6	12,636	368	1,291,680
46	0.0	0	258.4	906,844	102.9	361,319	5.7	20,007	367	1,288,170
47	0.0	0	308.5	1,082,905	46.9	164,549	11.6	40,716	367	1,288,170
48	0.0	0	0.0	0	67.3	236,223	175.7	616,707	243	852,930
49	0.0	0	2.0	7,020	204.5	717,795	160.5	563,355	367	1,288,170
50	1.3	4,563	0.0	0	230.7	809,757	135.0	473,850	367	1,288,170
51	108.6	381,186	0.0	0	24.7	86,697	67.7	237,627	201	705,510
Total		1,015,243		14,095,588		11,948,812		5,070,687		32,232,330
Overall Total		2,157,248		16,556,230		17,803,185		9,252,807		45,871,470
Total Waste (Sludge, Salt, and Supernate)						36,516,663				

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3.

Waste

Transfers

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3.1 Waste Transfers

A total of 19 F-Tank Farm tank-to-tank transfers occurred during FY06. These transfers totaled 4,501,800 gallons.

- Five transfers (7-5 and 5-7) occurred to move 12,500 gallons of sludge from Tank 5 to Tank 7 for SB4.
- Ten transfers (6-7 and 7-6) were completed to move 16,200 gallons of sludge from Tank 6 for SB5.
- One Tank 26 to Tank 33 transfer was performed to de-liquor the 2F Evaporator system.
- One Tank 7-8 transfer was completed to remove excess supernate from Tank 7 due to an unplanned outage of the 2F Evaporator.
- A Tank 47-26 transfer was needed for volume relief to provide receipt space for steam condensate from the 2F Evaporator.
- A Tank 26-27 transfer was performed to trouble shoot a problem with the Tank 26 feed pump.

A total of 20 H-Tank Farm tank-to-tank transfers occurred during FY06. These transfers totaled 2,413,800 gallons.

- One Tank 23-21 transfer was completed to test the transfer jet in Tank 23.
- Four Tank 21-22 transfers were completed to support receipts of DWPF recycle material.
- A total of 12 Tank 22 to Tank 43 transfers were completed to provide 1,270,000 gallons of feed to the 2H Evaporator System.
- A total of 3 Tank 37 to Tank 35 transfers were completed to finish the salt removal campaign started in FY05 from Tank 37. This was done to improve operability of the 3H Evaporator System allowing the 3H Evaporator to share the load of volume reducing decants from Sludge Batch washing.

Fourteen inter-area line (IAL) transfers were completed during FY05. These transfers totaled 1,958,300 gallons.

- One Tank 33-32 and Three Tank 34-32 transfers were completed to provide 621,600 gallons of feed to the 3H Evaporator System and further volume reduce 2F liquor. This space will also be used to support a Tank 42-34 transfer and future Tank 25 interstitial draining.
- Nine Tank 51 to Tank 27 transfers (totaling 765,300 gallons) were completed to provide feed to the 2F Evaporator System and to support the building and washing of Sludge Batch Four.
- A Tank 42-34 was completed to create space for future de-liquoring. Tank 42 is used to de-liquor the 3H evaporator.

Tank to Tank Transfer Characteristics							
Transfer Number	Sending Tank	Receiving Tank	Designation	Volume of Transfer gallons	Jet Dilution percent	Flow Rate gpm	Date
H-Tank Farm Transfers							
1	37	35	A	42,500	---- ¹	88	Oct-05
2	22	43	A	161,100	Pump	67	Oct-05
3	37	35	B	41,900	---- ¹	92	Oct-05
4	37	35	C	26,900	---- ¹	91	Oct-05
5	22	43	B	147,300	Pump	63	Oct-05
6	21	22	A	314,200	Pump	142	Oct-05
7	23	21	A	26,800	---- ¹	64	Oct-05
8	22	43	C1	134,200	Pump	63	Oct-05
9	22	43	C2	139,500	Pump	64	Nov-05
10	22	43	D1	129,200	Pump	61	Nov-05
11	22	43	D2	131,600	Pump	59	Nov-05
12	21	22	B	399,300	Pump	164	Mar-06
13	22	43	E	76,000	Pump	52	Jun-06
14	22	43	F	41,400	Pump	62	Jun-06
15	22	43	G	66,300	Pump	53	Jul-06
16	22	43	H	92,600	Pump	47	Jul-06
17	21	22	C	136,800	Pump	117	Jul-06
18	22	43	I	102,300	Pump	44	Jul-06
19	22	43	J	48,500	Pump	22	Aug-06
20	21	22	D	155,500	Pump	145	Sep-06
Total Volume Transferred				2,413,900			
F-Tank Farm Transfers							
1	7	5	A	170,000	Pump	59	Oct-05
2	5	7	A	275,300	Pump	88	Nov-05
3	7	5	B	253,700	Pump	64	Nov-05
4	26	27	A	122,100	12.5	38	Nov-05
5	5	7	B	322,500	Pump	95	Dec-05
6	47	26	A	37,000	---- ¹	52	Feb-06
7	26	33	A	220,100	17.3	82	Mar-06
8	7	5	C	19,700	Pump	63	Apr-06
9	7	6	A	61,100	Pump	20	May-06
10	7	8	A	195,600	Pump	82	May-06
11	6	7	A	311,000	Pump	136	Jun-06
12	7	6	B	294,700	Pump	107	Jun-06
13	6	7	B	326,000	Pump	136	Jul-06
14	7	6	C	302,100	Pump	95	Jul-06
15	6	7	C	326,100	Pump	116	Aug-06
16	7	6	D	307,300	Pump	76	Aug-06
17	6	7	D	328,400	Pump	127	Sep-06
18	7	6	E	307,100	Pump	97	Sep-06
19	6	7	E	322,000	Pump	139	Sep-06
Total Volume Transferred				4,501,800			
Inter-Area Line Transfers							
1	34	32	A	157,300	5.9	62	Jan-06
2	51	27	A1	103,500	7.1	125	Jan-06
3	51	27	A2	82,200	4.9	133	Jan-06
4	34	32	B	90,300	7.3	76	Feb-06
5	33	32	A	192,600	9.3	57	Feb-06
6	51	27	B1	70,800	10.5	137	Mar-06
7	51	27	B2	84,600	8.1	90	Mar-06
8	34	32	C	181,400	4.2	86	Apr-06
9	42	34	A	571,400	1.5	72	May-06
10	51	27	C1	80,000	11.0	91	May-06
11	51	27	C2	90,700	7.4	94	Jun-06
12	51	27	C3	90,400	5.4	96	Jun-06
13	51	27	D1	84,800	4.3	95	Jul-06
14	51	27	D2	78,300	8.0	92	Jul-06
Total Volume Transferred				1,958,300			

Recycle Transfer Characteristics							
Transfer Number	Sending Tank	Receiving Tank	Designation	Volume of Transfer gallons	Jet Dilution percent	Flow Rate gpm	Date
3H Evaporator Recycles							
1	37	32	A	213,400	7.7	63	Oct-05
2	37	32	B	214,400	6.3	62	Jan-06
3	37	32	C	283,100	4.4	51	Jan-06
4	37	32	D	206,500	5.9	48	Feb-06
5	37	32	E	270,300	4.9	56	Feb-06
6	37	32	F	230,300	8.5	56	Mar-06
7	37	32	G	278,500	6.7	56	Mar-06
Total Volume Transferred				1,696,500			
2H Evaporator Recycles							
1	38	43	A	222,700	9.2	83	Oct-05
2	38	43	B	213,800	4.4	78	Oct-05
3	38	43	C	160,400	4.9	79	Nov-05
4	38	43	D	154,300	3.8	78	Nov-05
5	38	43	E	104,500	3.2	78	Nov-05
6	38	43	F	133,000	5.3	80	Nov-05
7	38	43	G1	215,900	10.8	82	Dec-05
8	38	43	G2	33,300	---- ¹	80	Apr-06
9	38	43	H	75,200	4.4	80	May-06
10	38	43	I	123,900	3.1	82	Jun-06
11	38	43	J	85,600	6.1	82	Jun-06
12	38	43	K	102,300	4.8	81	Jun-06
13	38	43	L	115,700	4.7	81	Jul-06
14	38	43	M	108,700	6.5	80	Jul-06
15	38	43	N	219,100	6.5	77	Jul-06
16	38	43	O	290,700	5.5	77	Jul-06
17	38	43	P	136,600	11.3	80	Aug-06
18	38	43	Q	141,500	9.5	57	Aug-06
19	38	43	R	167,300	11.7	78	Aug-06
20	38	43	S	138,600	5.6	82	Sep-06
21	38	43	T	151,300	4.5	75	Sep-06
22	38	43	U	159,700	5.5	83	Sep-06
23	38	43	V	75,400	6.4	81	Sep-06
Total Volume Transferred				3,329,500			
2F Evaporator Recycles							
1	27	26	A	280,000	2.3	95	Nov-05
2	27	26	B	237,300	4.8	76	Jan-06
3	27	26	C	317,600	9.9	59	Jan-06
4	27	26	D	201,000	5.2	81	Jan-06
5	27	26	E	225,300	8.8	83	Feb-06
6	27	26	F	283,000	5.4	71	Feb-06
7	27	26	G	142,700	4.4	65	Feb-06
8	27	26	H	194,600	4.2	83	Mar-06
9	27	26	I	207,600	5.6	73	Apr-06
10	27	26	J	26,300	---- ¹	11	Apr-06
11	27	26	K	200,500	8.3	77	May-06
12	27	26	L	196,900	5.2	52	Jun-06
13	27	26	M	201,300	5.6	64	Jun-06
14	27	26	N	206,300	11	86	Jun-06
15	27	26	O	119,200	7.2	89	Jun-06
16	27	26	P	94,400	8.3	67	Jul-06
17	27	26	Q	246,900	6.1	81	Jul-06
18	27	26	R	52,900	5.5	63	Jul-06
19	27	26	S	207,300	4.6	84	Aug-06
20	27	26	T	165,000	4.3	72	Aug-06
21	27	26	U	254,100	3.3	74	Sep-06
22	27	26	V	248,800	1.7	79	Sep-06
Total Volume Transferred				4,309,000			

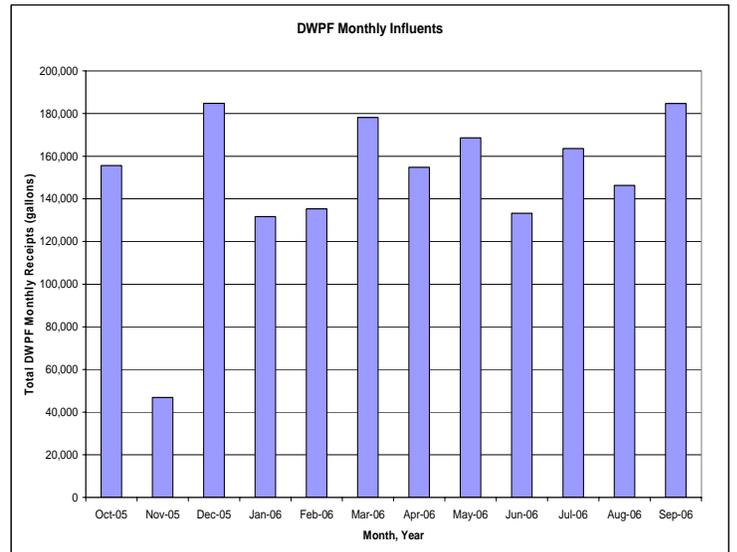
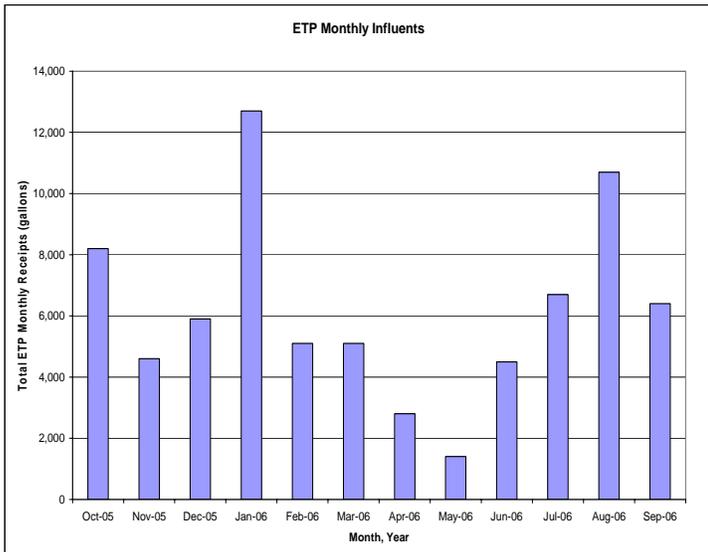
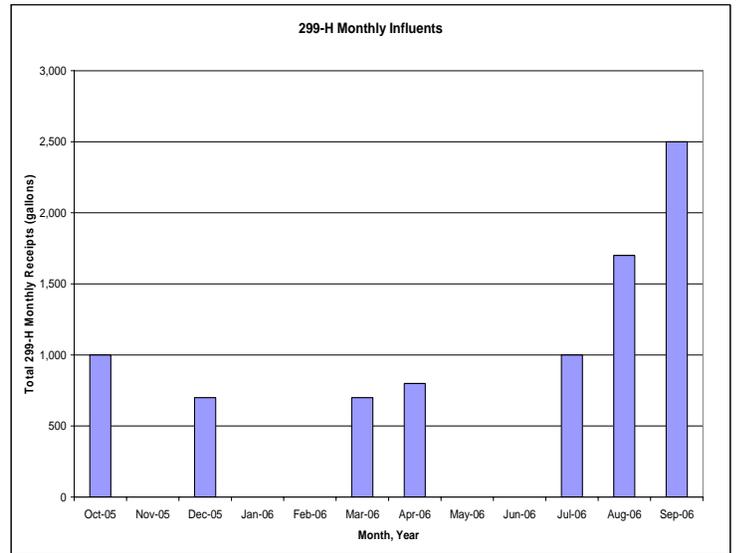
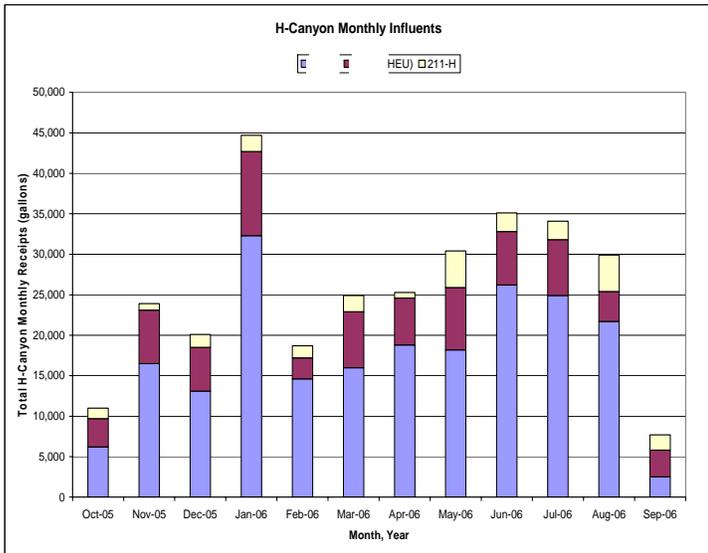
Note: ¹ = Transfer was too short to obtain accurate jet dilution.

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3.2 Waste Transfers: Tank Influent and Effluents

The major influents into the tank farms are obtained from H-Canyon and HEU), 299-H, ETP, and DWPF recycle waste. The total waste received into the tank farms from these sources was 2,172,000 gallons.

Date	(HAW)		(LAW)		299-H	ETP	DWPF	Totals
	gallons	gallons	gallons	gallons				
Oct-05	6,200	1,300	3,500	1,000	8,200	155,600	175,800	
Nov-05	16,500	800	6,600	0	4,600	46,900	75,400	
Dec-05	13,100	1,600	5,400	700	5,900	184,800	211,500	
Jan-06	32,300	2,000	10,400	0	12,700	131,700	189,100	
Feb-06	14,600	1,500	2,600	0	5,100	135,300	159,100	
Mar-06	16,000	2,000	6,900	700	5,100	178,200	208,900	
Apr-06	18,800	700	5,800	800	2,800	154,800	183,700	
May-06	18,200	4,500	7,700	0	1,400	168,600	200,400	
Jun-06	26,200	2,300	6,600	0	4,500	133,200	172,800	
Jul-06	24,900	2,300	6,900	1,000	6,700	163,600	205,400	
Aug-06	21,700	4,500	3,700	1,700	10,700	146,300	188,600	
Sep-06	2,500	1,900	3,300	2,500	6,400	184,700	201,300	
FY 2006 Totals	211,000	25,400	69,400	8,400	74,100	1,783,700	2,172,000	

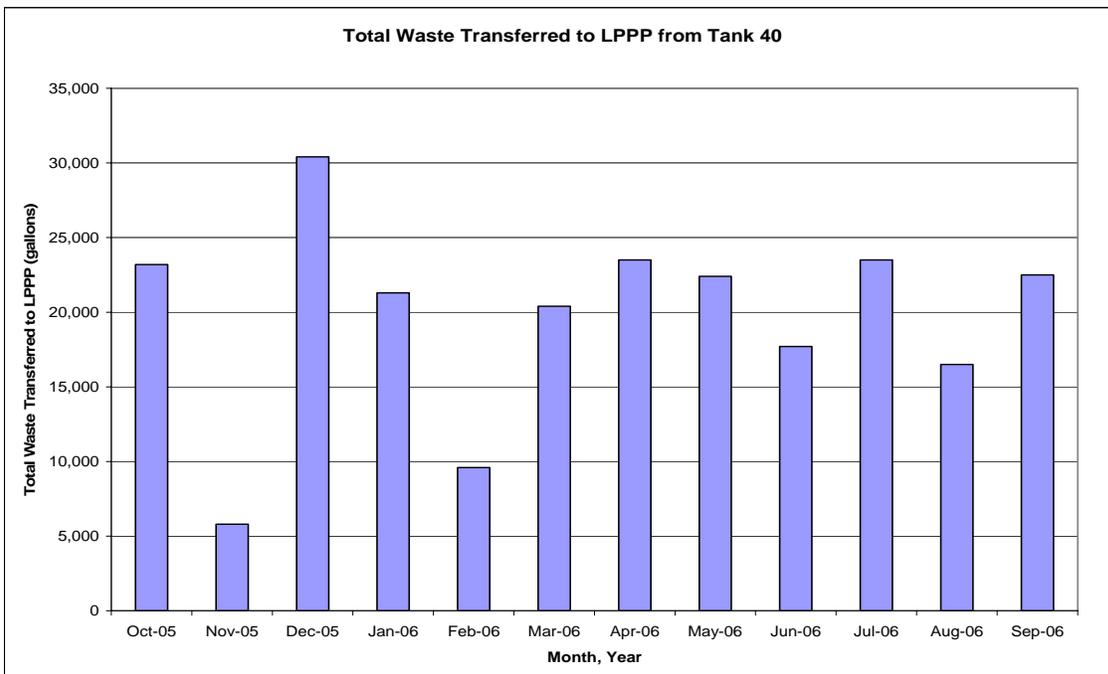
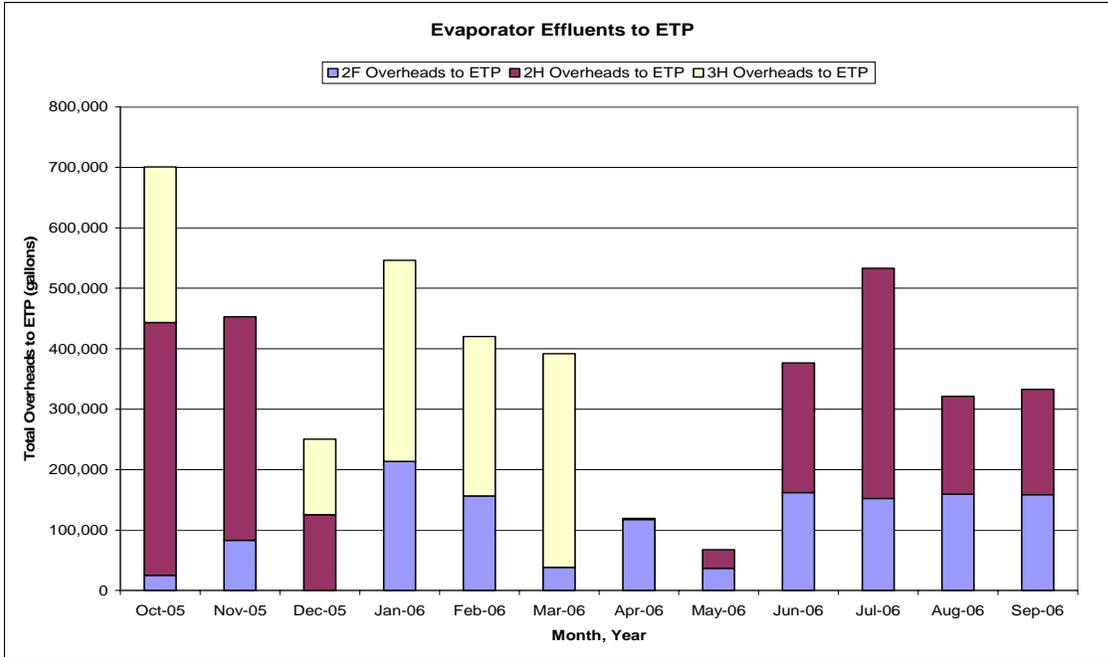


The major effluents from the Tank Farms are 2F Evaporator overheads to ETP, 2H Evaporator overheads to ETP, 3H Evaporator overheads to ETP, and Tank 40 to LPPP. The waste exiting the Tank Farms from these sources totaled 4,750,600 gallons.

Total Effluents from Tank Farms					
Date	2F Overheads to ETP gallons	2H Overheads to ETP gallons	3H Overheads to ETP gallons	Tank 40 to LPPP gallons	Totals gallons

Oct-05	24,900	418,300	257,600	23,200	724,000
Nov-05	82,800	370,200	0	5,800	458,800
Dec-05	0	125,500	125,100	30,400	281,000
Jan-06	213,600	0	332,900	21,300	567,800
Feb-06	156,600	0	263,600	9,600	429,800
Mar-06	38,300	0	353,700	20,400	412,400
Apr-06	117,500	1,800	0	23,500	142,800
May-06	36,500	31,200	0	22,400	90,100
Jun-06	162,000	214,500	0	17,700	394,200
Jul-06	152,200	380,900	0	23,500	556,600
Aug-06	159,300	162,000	0	16,500	337,800
Sep-06	158,400	174,400	0	22,500	355,300
FY 2006 Totals	1,302,100	1,878,800	1,332,900	236,800	4,750,600

As the graph below shows, the 3H Evaporator produced very little overheads due a large amount of downtime (planned and unplanned). In fact, the 3H Evaporator did not operate for FY06Q3 and FY06Q4 due to a Tank 37 transfer line failure. The 2F Evaporator also produced very little overheads due to feed pump problems as well as a de-liquoring outage and Tank 28 modifications. The 2F system also experienced many outages due to old and failing equipment. The 3H Evaporator approximately equaled the amount of overhead produced by the 2F system (~2,700,000 gallons). The 2H system was down for FY06Q2 for a chemical cleaning outage. The 2H system also experience outages due to GDL cleaning and mechanical cleaning.



Restricted Release Information has been Omitted

Distribution:

W.G. Poulson,	766-H	P.J. Hill,	766-H
M.K. Lancaster,	766-H	L.B. Romanowski,	766-H
L.D. Olson,	703-H	W.L. Isom,	703-H
V.G. Dickert,	766-H	T.C. Robinson,	766-H
K.A. Hauer,	704-S	M.A. Lindholm,	766-H
S.A. Thomas,	766-H	M.M Ewart,	704-S
M.J. Mahoney,	766-H	N.R. Davis,	766-H
R.T. Burkhart,	766-H	T.B. Caldwell,	766-H
J.S. Ledbetter,	766-H	K.H. Rosenberger,	766-H
I.P. Amidon,	766-H	K.D. Gilbreath,	766-H
J.R. Vitali,	766-H	D.B. Little,	703-H
K.A. Barley,	766-H	D.P. Chew,	766-H
B.D. Blocker,	766-H	S.R. Bush,	766-H
J.E. Owen,	704-30S	T.M. Treger,	704-S
J.L. Dunning,	766-H	W.D. Pearson,	704-S
W.D. Lanham,	704-56H	P.K. Sanders,	766-H
P.R. Brandt,	704-56H	P.D. Hunt,	704-56H
L.K. Sonnenberg,	766-H	W.B Van Pelt	766-H
P.W. Norris,	241-119H	S.D. Burke	704-S
T.L. Allen,	241-119H	D.J. Martin	703-H
T.E Pate,	703-H	M.N. Borders	704-26F
C.W. Kirkland,	704-56H	C.E. Blair	704-26F
W.C. Clark, Jr.,	704-56H	E. Patten	704-26F
F.E. Wise,	703-H	R.W. Oprea,	704-2H
S.W. Wilkerson,	704-S	B.E. Neely	241-119H
J.R. Cantrell,	704-26F	A.G. Kennedy	241-152H
R.R. Salmon,	704-26F	D.G. Harris	241-121H
F.D. Vick,	704-56H	A.L. Orris	241-152H
M.D. Brill,	241-2H	N.R. Pasala	241-102F
R.E. Meadors,	703-H		
J.A. Domer,	703-H		
E.J. Freed,	704-56H		
K.S. Parkinson,	703-H		
K.A. Butler,	766-H		
R.W. Williams,	703-H		
D.C. Ballard,	704-S		