



# CHANUTE AFB ILLINOIS

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## ADMINISTRATIVE RECORD COVER SHEET

AR File Number 3338

## Agenda

### Chanute Restoration Advisory Board Meeting

August 25, 2005

12:00 p.m.

1. Introductions
  - RAB members
  - Guests
2. Old Business
  - Approve minutes from previous meeting
  - Other
3. Environmental Cleanup Update
  - Highlights since previous RAB
    - Vapor Intrusion
    - Landfills
    - Leachate
    - Property Transfer
  - Munitions Site
  - Parcel A2-a FOST
  - Building 710 UST Offsite Sampling Results
  - Public Meeting
4. RAB Rule Update
5. Next Meeting
6. Adjourn

## FINAL

Restoration Advisory Board Meeting  
Former Chanute AFB  
August 25, 2005  
Meeting Minutes

The meeting began at 12:03 p.m.

**Introductions:** Ms. Sonja Coderre, Public Affairs Officer, Air Force Real Property Agency, introduced herself and asked all who were present to introduce themselves. Self introductions were made by the group.

**Old Business:** Ms. Coderre asked for approval of the May RAB meeting minutes. Ms. Lorraine Wirges, RAB member, moved for acceptance of the minutes. Mr. Reed Berger, RAB member, seconded the motion. The motion carried.

Ms. Coderre asked the board if any other old business needed review. Seeing none, the meeting moved forward.

**Environmental Program Status:** Dr. Harris began his discussion by providing an overview of topics he would cover to include updates on vapor intrusion, Landfills 1-3, the leachate collection system, the demolition disposal area clearance update, parcel A2a and the Airport FOST, sampling results for the USTs at building 710, and the public meeting.

The first item Dr. Harris discussed was the vapor intrusion update. Dr. Harris noted sub-slab vapor and indoor air evaluations had been previously completed at three buildings: building 343, 923, and 995; he also noted sub-slab or soil gas sampling had been conducted at fifteen additional buildings. Dr. Harris stated indoor air sampling had been completed or planned for all locations except for building 348 and building 975. Building 348 has relatively low volatile organic compounds in the soil gas, and building 975 has sub-slab volatile organic compounds greater than the target values. He also noted the indoor air results for nine other buildings are pending. Dr. Harris provided sampling status results for OU-1 and OU-2 buildings. He noted all indoor air sampling had been completed for OU-2 and he was waiting for the data.

Mr. Tim Mitchell, News-Gazette, asked when Dr. Harris anticipated the data back from the sampling. Dr. Harris replied it would be back in the next few weeks. Ms. Helen Lewis asked what happens when the information comes back. Dr. Harris said it depended on the site; the data is evaluated and a determination will be made depending on the results and the location.

Dr. Harris moved on to the Landfills 1-3 update. He noted monthly monitoring would continue at the landfill gas vents, the probes, and also three downwind locations. Dr. Harris stated revegetation is working and vegetation is taking hold; the process is not at

100% but is progressing. Ms. Lorraine Wirges commented not to mow down the wildflowers when they bloom.

Dr. Harris began discussing the landfill leachate collection systems next. Dr. Harris stated Landfill 1 has been pumping for six and a half weeks, and more than 394,000 gallons of leachate has been removed; the untreated leachate was below substantive requirements for organic constituents. He noted the pump rate was at two gallons per minute for Landfill 1, substantially lower than what had been anticipated. Mr. Reed Berger asked where the leachate goes. Dr. Harris stated the leachate makes its way through the system and is pumped out to the Village.

Dr. Harris continued with Landfill 2. He noted it had pumped for four and a half weeks and had removed 569,000 gallons of leachate. Dr. Harris noted the untreated leachate was ten to twenty times above the substantive requirements for organic constituents. He noted the pump rate was at five gallons per minute for Landfill 2, again substantially lower than what had been anticipated. Dr. Harris stated at the current pump rate, it would take years to complete.

Ms. Lorraine Wirges asked Dr. Harris what is considered organic constituents. Dr. Harris answered chlorinated solvents and TCE are considered organic constituents.

Dr. Harris moved on to discuss Landfill 3; he noted the carbon in the system had been expended, and the system was shut down for maintenance. While in operation the unit pumped for one week and removed 202,000 gallons of leachate. Untreated leachate was below substantive requirements for organic constituents. The system should be restarted next week and a determination made to determine the sustained pump rate, which should be approximately twenty gallons per minute.

Dr. Harris mentioned the GAC, granular activated carbon, usage was higher than expected. GAC absorbs any organics, not just the target organics of TCE, PCE, and vinyl chloride. Mr. Reed Berger had a question regarding information on the presentation slides. He referenced "The monitoring water levels with trolls in existing wells around LF 1 and 2 was not sufficient to determine connectivity between landfills and the Wisconsinian aquifer" and asked for clarification. Dr. Harris answered all the data is not in yet and more piezometers have been installed to better monitor potential connectivity to the shallow Wisconsinian. Mr. Berger asked if this would result in better data. Dr. Harris affirmed it would.

Dr. Harris moved on to discuss recent improvements. He noted there were eleven piezometers installed to better monitor potential connectivity to the shallow Wisconsinian. He also noted there was a new flow meter installed at Landfill 3. Dr. Harris then stated piping at the GAC units were modified to facilitate change out of canisters, and the carbon had been replaced.

Dr. Harris moved on to discuss planned operations. There were twelve weeks of active pumping to look for water recovery to provide data of how well water flows. Dr. Harris

noted more monitoring will take place in more wells, and the data will be used in a treatability study. Ms. Wirges asked if the chemicals detected during monitoring were from fertilizers during spraying or from farm land application. Dr. Harris affirmed an analysis was done for pesticides and herbicides and some pesticides were found. Ms. Wirges asked about the golf course. Dr. Harris stated the golf course has not been done and noted application rates are approved by application to the state. Ms. Wirges stated she had read articles on excessive use of pesticides and herbicides. Dr. Harris noted nitrogen and phosphorous depletes oxygen levels in water and often leads to fish kills.

Dr. Harris moved on to the upcoming schedule of events. He noted on 17 August pumping of the leachate will resume, and the leachate pumping should be completed by mid December. Dr. Harris also noted fieldwork should be completed by mid January, and the Treatability Study Report should be released in April 2006. Dr. Harris asked if there were any questions to this point. There were none.

The next item Dr. Harris discussed was the demolition disposal area update. Dr. Harris stated the site survey will begin 31 August, and an intrusive MEC investigation will be conducted from 1 to 3 September. Dr. Harris noted 80 anomalies had been previously identified during a geophysical survey, and the inspection would have an impact on the runway to some extent. Ms. Lewis asked how the anomalies are detected. Dr. Harris stated a metal detector is used, and if an anomaly is detected, it is dug up and a determination is made as to what it is. Dr. Harris stated finding the anomalies is a safety issue because the Air Force does not want to leave munitions behind. Mr. Mitchell asked when the runway will be closed. Mr. Reed Berger responded by saying the runway will be closed September 1, and notification has been made to pilots who use the runway. Dr. Harris stated once the investigation is complete, findings will be submitted to the Department of Defense Explosive Safety Board for approval of the report. Dr. Harris noted if any large drums or cans are found, samples from the area will be taken and analyzed for chemicals of concern. Dr. Harris stated after 3 September it should be known if any explosives were found.

Dr. Harris moved on to discuss the Parcel A2a and Airport FOSTs. The A2a FOST is at AFRPA and ready to go back to the regulators; it is awaiting a physical survey. Ms. Lewis noted Burkees bought A2a. Dr. Harris noted Burkees leased A2a, but did not buy it. Ms. Lewis asked if Burkees will buy the parcel. Dr. Harris stated he is not sure. Ms. Lewis then asked about White Hall. Dr. Harris stated it had been transferred by deed. Dr. Harris noted his office does not make determinations on leasing, rather they determine the suitability for transfer. Dr. Harris pointed out on the GIS map the areas covered by the airport parcel; he noted it consists of approximately 640 acres. Dr. Harris noted the Air Force is developing responses to the Illinois EPA and USEPA to comments made on the draft FOST. Dr. Harris noted there is a plan to transfer the airport parcel as soon as practical, hopefully by 30 September. Dr. Harris noted once the airport parcel is transferred, approximately one half of the property at the former Chanute AFB will be leased. Ms. Lewis asked if it takes this long to close every base. Dr. Harris responded by saying it varies depending on the base.

The next item discussed was the underground storage tanks. Mr. Berger noted closing a storage tank site does not necessarily mean removing the tanks. Dr. Harris affirmed all tanks have been removed at closed tank storage areas at Chanute; the majority of the tanks were removed in the late 1980s and early 1990s. Chris Hill, IEPA, noted they had gone back to historical site information. Mr. Berger noted he simply wanted clarification on the tank removal. Mr. Hill asked how many tanks have been removed. Mr. Dave Wacker, Booz Allen Hamilton, noted a combination of 311 ASTs and USTs had been removed.

Dr. Harris noted groundwater screening levels had come back for building 710, and levels are below decision criteria; the contamination is localized and not spreading off base. Mr. Berger asked when the building 710 site will be closed. Dr. Harris responded by saying AFRPA will file an action plan and ask the state to close it.

Dr. Harris moved on to discuss the public meeting to be held later that night at 7:00 p.m. in the same location as the RAB meeting. Dr. Harris stated the agenda will include nine locations proposed to be closed with no further investigation. Dr. Harris stated he wants the community to be comfortable with the work done around OU-1 to the Golfview Housing area and Southview. Dr. Harris referred to the GIS map to show the nine locations to be discussed at the public meeting.

Ms. Wirges commented how awesome and how much work has been done over the last two years resulting in great progress and favorable results. Dr. Harris stated the process takes time, and Chanute is on track to have the remediation completed by 2009.

**Meeting Wrap-Up:** Ms. Coderre asked if there were any action items for the next RAB meeting. There were none. Ms. Coderre announced the next RAB meeting was scheduled for November 17. Ms. Coderre asked those present at the meeting to take a look at the latest newsletter and thanked Ms. Wirges for her interview included in the newsletter.

Ms. Coderre noted the proposed RAB rule is still waiting to be finalized. Ms. Coderre stated she would travel to Chanute when the rule is final to review the document with the RAB, as had been requested at the previous meeting.

Ms. Coderre asked for a motion for adjournment. Ms. Helen Lewis, RAB member, moved to adjourn. Ms. Lorraine Wirges, RAB member, seconded the motion. The motion carried.

The meeting adjourned at 12:45 p.m.

**Next Meeting:** November 17, 2005, at 12:00 p.m., Rantoul Corporate Technology Center

Restoration Advisory Board Meeting  
Former Chanute AFB  
August 25, 2005  
Meeting Sign -In Roster

Mr. Tim Mitchell, News-Gazette  
Ms. Debra Rawlings, Rantoul Press  
Ms. Lorraine Wirges, RAB member  
Mr. Christopher A. Hill, IEPA  
Mr. Owen Thompson, USEPA Region V  
Ms. Sonja S. Coderre, AFRPA  
Mr. Reed Berger, RAB member  
Ms. Diane Shields, Village of Rantoul Aviation and Economic Development  
Ms. Helen Lewis, RAB member  
Mr. Gary Koski, AFRPA  
Mr. Bob Carson, IEPA  
Mr. David Johnston, Community Co-chair, RAB member  
Mr. Bryan Rundell, TechLaw  
Mr. Dave Wacker, Booz Allen Hamilton  
Mr. Kelley J. Siwecki, Smith and Associates

# ***Air Force Real Property Agency***

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## **Former Chanute AFB Restoration Advisory Board**



**August 25, 2005**

**Rantoul Corporate Technology Center  
601 South Century Blvd, Suite 1106  
Rantoul, Illinois**

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# *Welcome and Introductions*

*Presented by Ms. Sonja Coderre*



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# *Old Business*

*Presented by Ms. Sonja Coderre*

- **Meeting Minutes from May 2005**



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# ***Environmental Program Status***

*Presented by Dr. Bill Harris*

- **Vapor Intrusion Assessment**
- **Landfills 1-3 Update**
- **Leachate Collection System Path Forward**
- **Demolition Disposal Area Clearance Update**
- **Parcel A2a and Airport FOST**
- **Update of Sampling Results for the USTs at Building 710**
- **Public Meeting**

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## **Vapor Intrusion Update**



**25 August 2005**

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# ***Vapor Intrusion Update***

- **Sub-slab vapor and indoor air evaluations previously completed at 3 buildings (Bldgs. 343, 923, and 995)**
- **Sub-slab or soil gas sampling conducted at 15 additional buildings.**
- **Indoor air sampling completed or planned for all except Bldg. 348 and Bldg. 975.**
  - **Bldg. 348 – relatively low VOCs in soil gas, access issue**
  - **Bldg. 975 – sub-slab VOCs < target values**
- **Indoor air results for nine buildings are pending.**



# Sampling Status for OU-1 Buildings

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Site	Sub-slab Vapor Sampling			Indoor Air Sampling		
	Req'd	Comp'd	Data Available	Req'd	Comp'd	Data Available
Bldg 2/Hangar3 (DP063)	X	X		X	X	X
Bldg 7/Hangar2 (DP063)	X	X	X	X		
Bldg. 343 (SS074)	X	X	X	X	X	
Bldg. 348 (no MIS ID)	X	X	X		-	-
Bldg. 728 (ST067)	X	X	X	X	X	X
Bldg. 729 (no MIS ID)	X	X	X	X	X	
Bldg 739 (ST051)	X	X	X	X		
Bldg. 747 (SS052)	X	X	X	X		



# Sampling Status for OU-2 Buildings

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Site	Sub-slab Vapor Sampling			Indoor Air Sampling		
	Req'd	Comp'd	Data Available	Req'd	Comp'd	Data Available
Bldg. 916 (ST024)	X	X	X	X	X	
Bldg. 918 (ST024)	X	X	X	X	X	
Bldg. 922 (SD027)	X	X	X	X	X	X
Bldg. 923 (SS035)	X	X	X	X	X	X
Bldg. 927 (SD025/ST036)	X	X	X	X	X	
Bldg. 933 (no MIS ID)	X	X	X	X	X	
Bldg. 937 (SS038)	X	X	X	X	X	X
Bldg. 975 (SS026)	X	X	X		-	-
Bldg. 985 (no MIS ID)	X	X	X	X	X	
Bldg. 995 (SS041)	X	X	X	X	X	X

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## **Landfills 1-3 Update**



**25 August 2005**

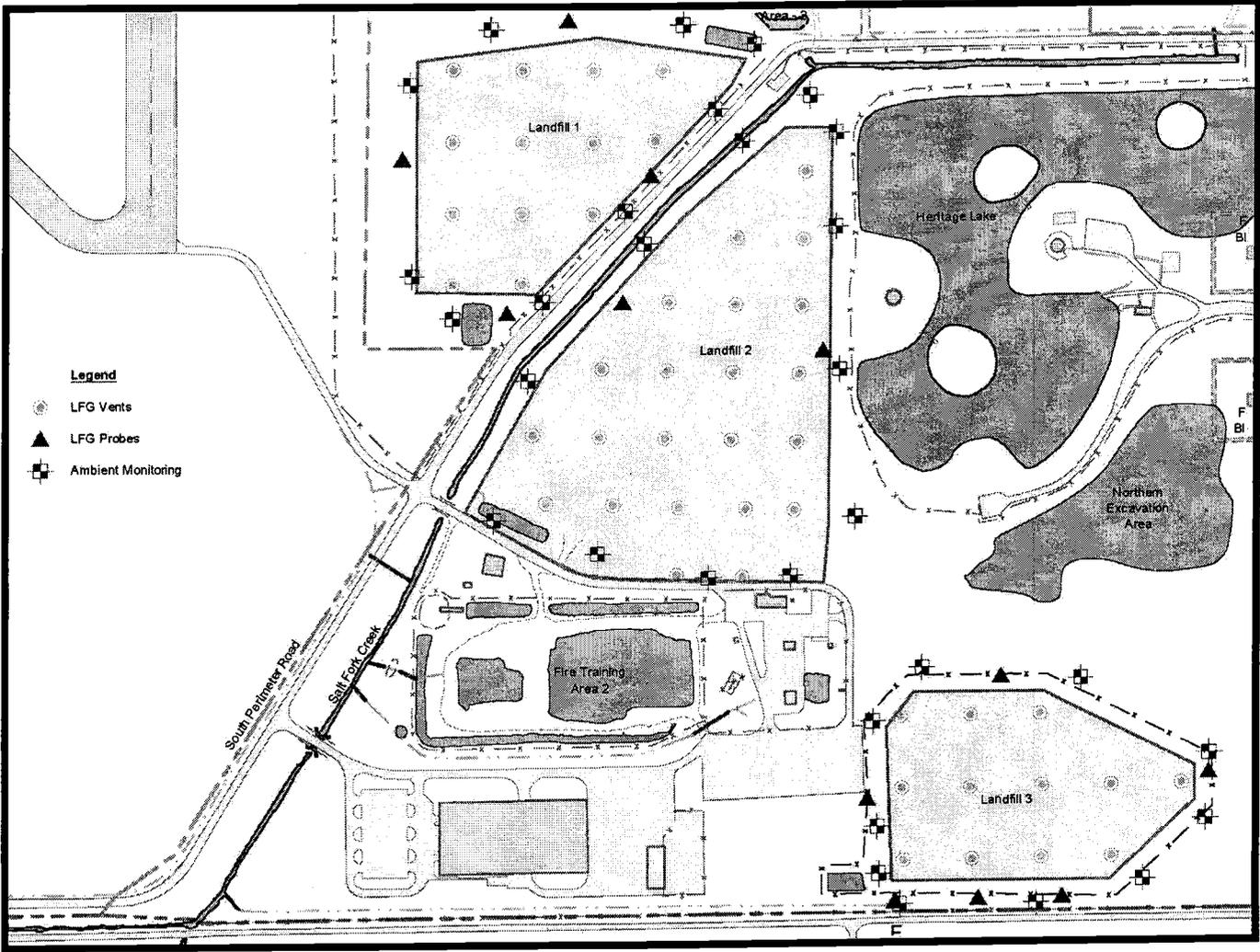
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# Landfills 1-3 Update





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## ***Landfills 1-3 Update***

- Continue monthly monitoring at landfill gas vents, probes, and three downwind locations.
- Monitor revegetation and erosion and reseed as necessary. The revegetation efforts appear to be successful with more growth in previously sparse areas

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## **Leachate Collection System Path Forward**



**25 August 2005**

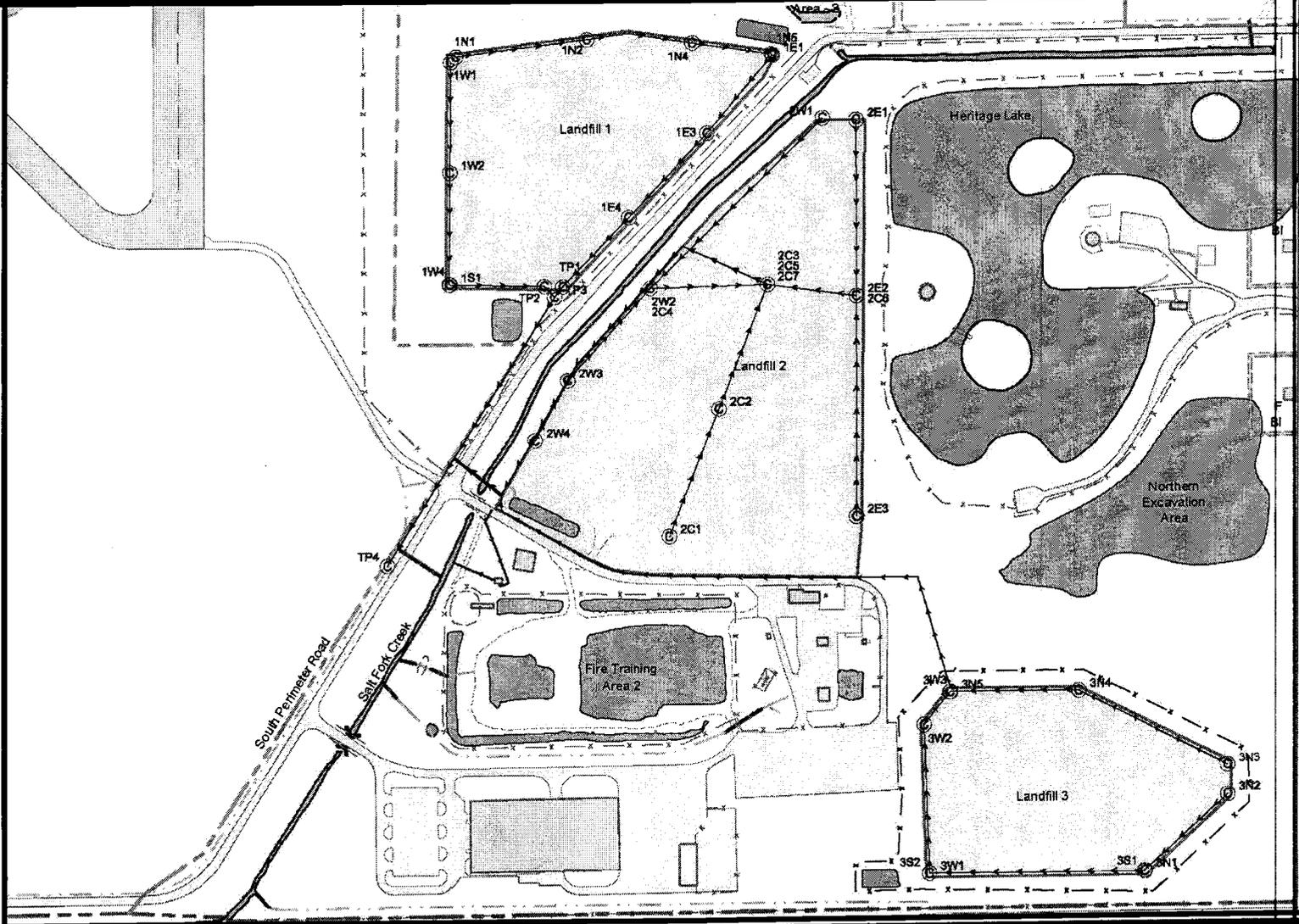
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# Landfill Leachate Collection System

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# ***Operation To Date***

## ***Landfill 1:***

- ***Pumped 6.5 weeks***
  
- ***Removed 394,400 gallons of leachate***
  
- ***Untreated leachate below substantive requirements for organic constituents***
  
- ***Sustained pumping rate at shutdown was 2 gpm***



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# *Operation To Date*

## *Landfill 2:*

- *Pumped 4.5 weeks*
- *Removed 569,000 gallons of leachate*
- *Untreated leachate above substantive requirements (10x-20x) for organic constituents*
- *Other organic constituents detected but no current effluent standard*
- *Sustained pumping rate at shutdown was 5 gpm*



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# *Operation To Date*

## *Landfill 3:*

- *Pumped 1 week*
  
- *Removed 202,000 gallons of leachate*
  
- *Untreated leachate below substantive requirements for organic constituents*
  
- *Other organic constituents detected but no current effluent standard*
  
- *Had not achieved low flow pumping at shutdown*



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# ***Observations***

- Sustained pumping rates in LF 1 and 2 were less than predicted.
- Monitoring water levels with trolls in existing wells around LF 1 and 2 was not sufficient to determine connectivity between landfills and the Wisconsin aquifer.
- GAC usage was higher than predicted.



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# ***Recent Improvements***

- **Installed 11 piezometers to better monitor potential connectivity to shallow Wisconsinan.**
  - **2-inch diameter**
  - **10-foot screens**
  
- **Installed new flow meter at LF3**
  
- **Modified piping at GAC units to facilitate changeout of GAC canisters**
  
- **Replaced GAC**



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# *Planned Operations*

## **12 Weeks of Active Pumping**

- **Two 6-week periods of pumping**
- **Monitor recovery during 4-week non-pumping period following each 6-week pumping period**
- **Monitor leachate composition and variability in each landfill**
- **Monitor GAC operation and effluent quality**
- **Monitor water levels in 21 wells and 11 piezometers around landfills**
- **Monitor draw-down and recovery of the leachate in the wet wells at all three landfills**



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# ***Schedule***

- **17 August – Resume Pumping**
  
- **Mid-December – Complete Operation of Leachate Pumping**
  
- **Mid-January – Complete Fieldwork**
  
- **April 2006 – Treatability Study Report**

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## **Demolition Disposal Area Update**



**25 August 2005**

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# ***Schedule***

- **31 August – Begin Site Survey**
  
- **1 to 3 September intrusive MEC investigation**
  
- **Submit to DDESB for approval of clearance report**

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## **Parcel A2a and Airport FOST**



**25 August 2005**

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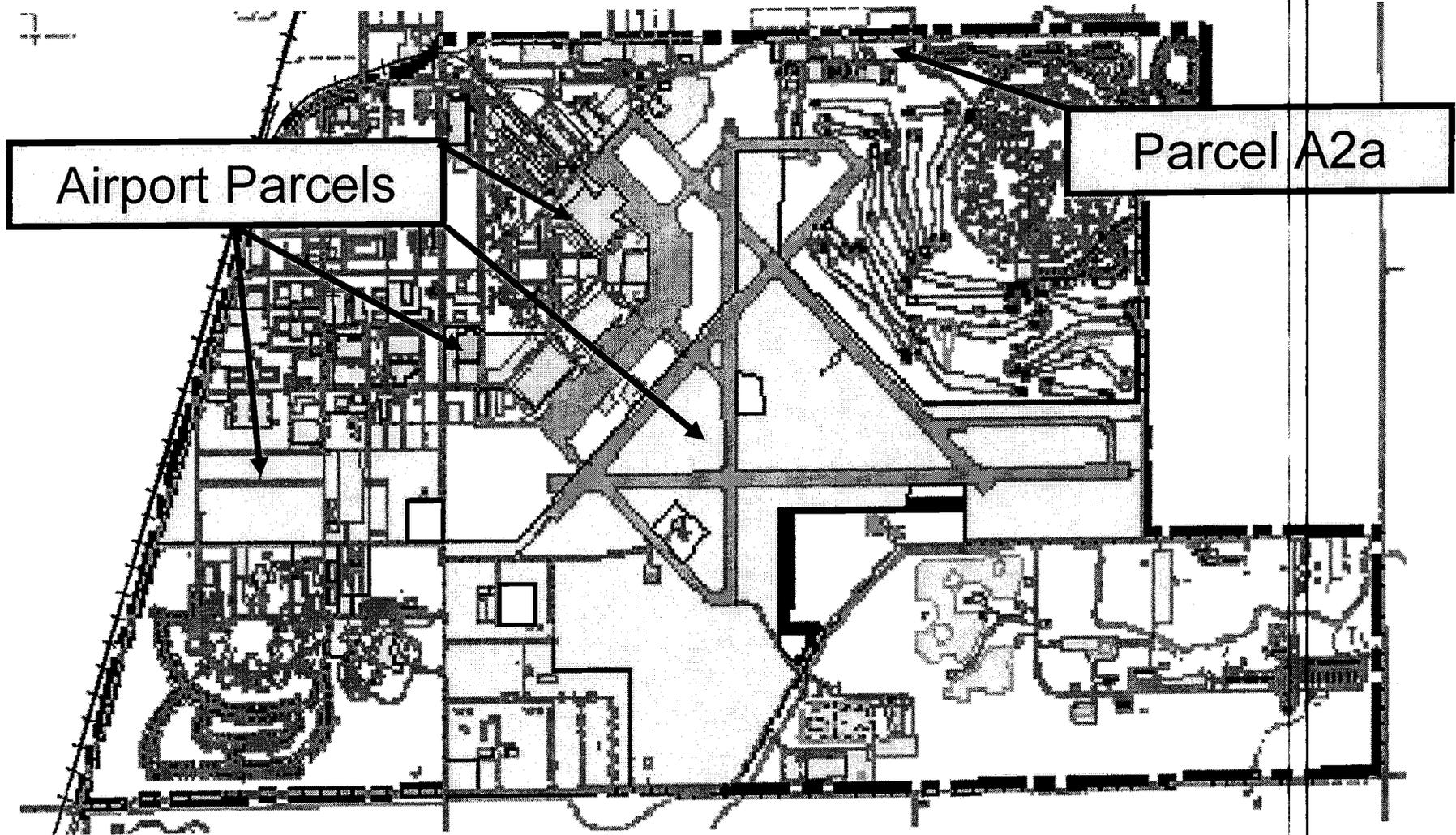
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# *Parcel A2a and Airport Parcels*

## *FOST*





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## ***Parcel A2a FOST***

- Parcel A2a is located along the northern base boundary
- Approximately 10 acres with 2 buildings
- USEPA concurred that the property is ready for transfer
- Responses to IEPA comments on the Draft document under development
- Plan to transfer prior to September 30



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# ***Airport Parcels FOST***

- **Phase I Airport Parcels consist of the main runways and most of the taxiway areas, Hangars 1 and 4, the 800 area, and multiple parcels west of Century Blvd.**
  
- **Approximately 640 acres**
  
- **Air Force is developing responses to IEPA and USEPA comments on the draft FOST**
  
- **Plan to transfer as soon as practical**

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## **Underground Storage Tanks at Building 710**



**25 August 2005**

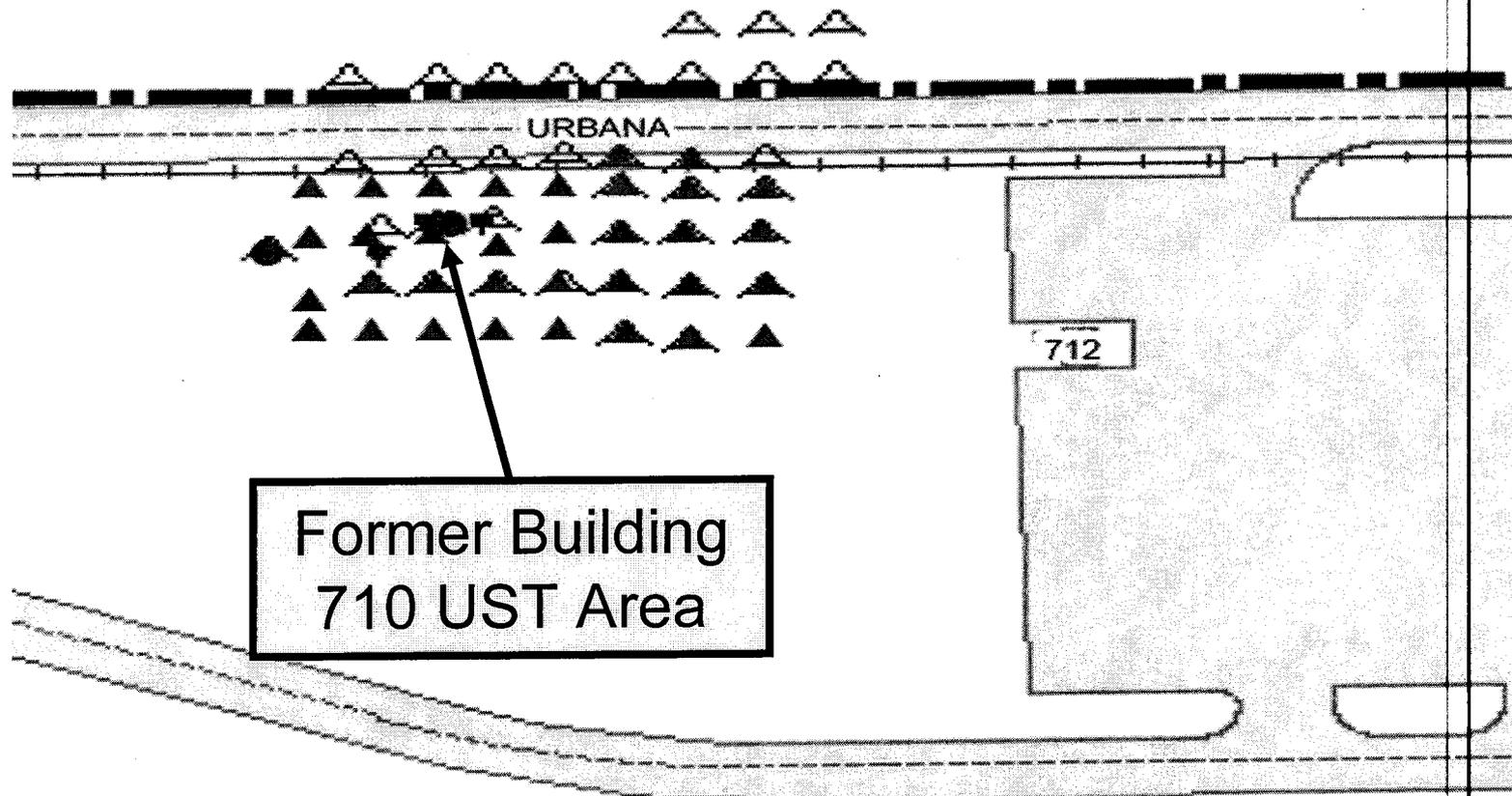
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# Building 710 Sampling Results

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## ***Former Building 710 Gas Station***

- **Located Along the Northern Base Boundary**
- **All Offsite Sample Results from Wabash Park and Eater Junior High School are below Decision Criteria**
- **Air Force Developing Path Forward Including Monitoring Well Installation**



# ***Building 710 Sampling Results***

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- **Phase I Airport Parcels consist of the main runways and most of the taxiway areas, Hangars 1 and 4, the 800 area, and multiple parcels west of Century Blvd.**
- **Approximately 640 acres**
- **Air Force is developing responses to IEPA and USEPA comments on the draft FOST**
- **Plan to transfer as soon as practical**



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# ***Public Meeting Tonight***

- Location: Rantoul Corporate Technology Center
- Time: 7:00 pm
- Meeting Objective: Discuss nine areas of concern (AOCs) where the Air Force, IEPA, and USEPA plan no further investigation\*

\* The nine areas were discussed as part of the May 2005 RAB



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# ***RAB Member Topics of Interest (from the floor)***

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*Presented by Ms. Sonja Coderre*



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# ***Meeting Wrap-Up***

Presented by Ms. Sonja Coderre

- **Review action items for next meeting**
- **Propose agenda items for next meeting**
- **Propose next RAB meeting:**

**Thursday, November 17, 2005  
Rantoul Corporate Technology Center  
Time?**

**FINAL PAGE**

**ADMINISTRATIVE RECORD**

**FINAL PAGE**