



# CHANUTE AFB ILLINOIS

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## ADMINISTRATIVE RECORD COVER SHEET

AR File Number 3337

**AGENDA**  
**RESTORATION ADVISORY BOARD MEETING**

May 24, 2005  
12:00 p.m.

1. Introductions
  - RAB members
  - Introduction of guests
  
2. Old Business
  - Approve minutes from December 2004 and February 2005 meeting
  - Other
  
3. Potential Application/Appointment of Additional Community Members
  
4. Environmental Clean-up Update
  - Highlights since previous RAB
  - Soil Vapor in Buildings
    1. Building 343 Laundromat and Barbershop
    2. Building 923 C&S Sanitary Services
    3. Building 995 Test Cells
  - Landfills Operations and Maintenance Update
    1. Air Monitoring Results
    2. Leachate Collection System Start-up
  - Underground Storage Tank Update
    1. Building 710 Former Gasoline Storage
  - Current Report Status
    1. Preliminary Assessment/Site Inspections
    2. Remedial Investigations
  - Community Relations Update
  
5. Property Transfer Update
  - Airport Areas
  
6. Reuse Progress
  
7. Next Meeting
  
8. Adjourn

## FINAL

**Restoration Advisory Board Meeting  
Former Chanute AFB  
May 24, 2005  
Meeting Minutes**

The meeting began at 12:05 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. Introductions were made by the group and first-time attendees were acknowledged.

**Old Business:** Sonja Coderre, Public Affairs Officer, Air Force Real Property Agency, conducted the discussion on old business. She summarized the RAB recruitment efforts and announced two new RAB members and a new co-chair had been appointed at the meeting in February. Ms. Coderre stated that the AFRPA was putting together a newsletter for the former Chanute community and had interviewed Ms. Lorraine Wirges for one of the articles. Ms. Coderre said more interviews would be conducted with other RAB members for inclusion in future editions of the newsletter.

Ms. Coderre asked for approval of the December RAB meeting minutes, which were postponed for approval from the February meeting due to late distribution to RAB members. 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 for approval of the February RAB meeting minutes. Ms. Wirges moved for acceptance of the minutes. Mr. Berger seconded the motion. The motion carried.

Mr. Berger asked for clarification on what happened with the transcriptionist. Ms. Coderre stated that the RAB had moved to minutes only rather than both a transcription and minutes. Dr. Bill Harris, BRAC Environmental Coordinator for the former Chanute AFB, concurred. The RAB members agreed that minutes were sufficient and there was no need for meeting transcripts.

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 soil vapor in buildings, an update on landfills operations and maintenance, underground storage tanks at Building 710, and a report status.

The first item Dr. Harris discussed was soil vapor in buildings. He noted all soil vapor intrusion sampling was based on Environmental Protection Agency guidance and methodology. Dr. Harris stated that soil vapor intrusion sampling had been conducted in three locations: Building 343 (Laundromat), Building 923 (C&S Waste Services), and Building 995 (Test Cells). Dr. Harris clarified the location of each of the buildings on the GIS map.

Dr. Harris began by discussing soil vapor intrusion at Building 343. He stated that the site map shows the extent of volatile organic compounds (VOCs) in soil and groundwater on the north side of the building. Two sub-slab vapor samples were collected at this location. Of the samples, one location exceeded EPA guidance screening values for residences. Dr. Harris stated that it was PCE and was most likely due to dry cleaning operations. The vapor samples from the second sub-slab location did not exceed screening values. Dr. Harris stated that four indoor air samples were collected and showed slightly elevated potential risk for TCE and PCE based on residential exposure. The chemicals were, however, in an acceptable risk level for the current use of the structure (1 in 10,000 to 1 in 1,000,000 cancer risk). Dr. Harris stated that the Air Force is further evaluating the potential risks and possible actions associated with Building 343, which should be accomplished by this summer.

Dr. Harris asked for questions concerning Building 343. Mr. Owen Thompson, USEPA Region V, asked what the actual risk numbers were. Dr. Harris stated that they were  $2 \times 10^{-5}$  and were at an acceptable level. Mr. Thompson asked if the risk level would be included in the final Remedial Investigation (RI) report. Dr. Harris stated that it would.

With no further questions, Dr. Harris moved on to discuss soil vapor intrusion in Building 923. He stated that four samples were collected of both sub-slab vapor and indoor air. All sub-slab sample results exceeded EPA screening values for residences. Dr. Harris stated that the results for TCE and PCE were not surprising. He noted that the EPA numbers in the look-up table are very conservative (meaning they tend to overestimate values) and that it's best to rely on the look-up table rather than numbers based on a model. Dr. Harris also noted that the results were not as significant as those in Building 343. He stated that indoor air concentrations showed slightly elevated risk for TCE, PCE, and benzene based on industrial exposure. Dr. Harris noted that benzene is a constituent in gas and diesel fuels. He stated that the benzene results were likely high because a diesel engine was running during the latter part of the sample collection period. Mr. Caryl Fothergill, RAB member, asked if Building 923 used to be a training facility. Dr. Harris stated that Building 923 was a cryogenics facility and it was common for personnel in the building to use solvents to flush the line. However, the benzene present in the results was most likely from current operations. Dr. Harris stated that the Air Force is awaiting results. He stated that the non-cancer risk was within the acceptable range for industrial workers. He concluded by stating that the Air Force resampled indoor air and will further evaluate the potential risks and possible actions.

Dr. Harris asked for questions concerning Building 923. Mr. Berger asked if there were plans underway to excavate the test pit area. Dr. Harris stated that it was not currently in the feasibility study; however, the Air Force will consider dig and haul as a prime alternative. Mr. Thompson asked if data indicated there is a source under Building 923. Dr. Harris stated that it did not and that there is only a source under Building 343. He expanded by saying the chemicals under Building 923 are due to migration.

With no further questions, Dr. Harris moved on to discuss soil vapor intrusion in Building 995. Dr. Harris began by showing a map of the building and the area of impacted soil and groundwater. He stated that although Building 995 was once used to house engine test cells, it is

now used for storage of materials and that personnel will most likely move out of the structure. Dr. Harris stated that eleven samples were collected of sub-slab vapor and three samples were collected of soil gas at a depth of five feet. He stated that nine sub-slab results and all three soil gas results exceeded EPA screening values for residences. The chemicals that exceeded the screening values were TCE, 1,2-DCE, and vinyl chloride. Dr. Harris noted that vinyl chloride was the biggest concern because the model indicated the level may have been 1,500 parts per billion as opposed to the actual level of 75 parts per billion. Dr. Harris stated that indoor air samples were collected at six locations on May 13. He stated that the lab results are pending and should be validated in approximately three weeks. Dr. Harris stated that the Air Force is unsure of the source of the chemicals under this building. He noted that the chemicals may be due to engine degreasing or storage of substances; however, the Air Force is unsure of when the release occurred.

Dr. Harris asked for questions pertaining to Building 995. Mr. Berger asked if scientific testing such as carbon testing could be done to tell when the release occurred. Dr. Harris stated that it was not likely and that only an estimate is available because there are too many variables to consider. He stated that the release most likely occurred a long time ago and is now degrading. He noted that vinyl chloride is more mobile than TCE and more toxic. With that in mind, Dr. Harris said the Air Force is very concerned and is working to address the issue in a timely manner. Mr. Chris Hill, Illinois EPA, asked if the integrity of the floor came into play when sampling. Dr. Harris stated that it did and that the Air Force had to take into account several factors when sampling. Mr. Tim Mitchell, News-Gazette, asked how many locations are being considered for investigations. Dr. Harris stated that eleven locations are being considered; two have been transferred, one is adjacent to Building 343, and the others fit the criteria of being within 100 feet of the plume.

With no further questions, Dr. Harris briefed the Landfills 1-3 air monitoring. He began by talking about events that had occurred within the past 90 days. He stated that monthly monitoring at Landfills 1-3 gas vents had detected only low levels of methane and carbon dioxide and no significant gas migration was observed in the gas probes or ambient air locations. Dr. Harris noted that methane and carbon dioxide are present in every landfill and venting prevents explosion. He stated that in April 2005, Landfill 3 gas flow rates were measured and it was concluded that there was negligible gas generation. He noted that the sparsely vegetated areas have been reseeded and this process has continued with the new contractor, URS. Dr. Harris moved on to discuss events that would occur at the landfills within the next 90 days. He stated that the Air Force would continue monthly monitoring at the landfill gas vents, probes, and three downwind locations. In addition, the Air Force will monitor revegetation and erosion and reseed as necessary. Finally, Dr. Harris said the grassy areas at Landfills 1 and 3 will be mowed in June 2005. The Air Force is allowing the vegetation at Landfill 2 to become better established before mowing. Dr. Harris noted that wildflower areas will not be mowed until late fall after the first frost.

Dr. Harris asked for questions concerning Landfills 1-3. No questions were asked.

Dr. Harris moved on to discuss the Landfill Leachate Collection System. He began by stating that the Leachate Collection System started on May 10, 2005. Dr. Harris noted that the Air

Force agreed with the EPA and IEPA on the monitoring requirements. Data from the system will be included in the annual report and some will also be included in the Remedial Investigation report. Dr. Harris stated that the Air Force is pumping from Landfill 1 and treating and discharging to Salt Fork Creek. He noted that the pumps are cycling and running dry. This could be because the pumps actually are dry or because it is difficult for the material to run through the systems. Dr. Harris stated that approximately 250,000 gallons of leachate have been pumped and treated to date. The Air Force will begin pumping from Landfill 2 this week and plans to start pumping from Landfill 3 in June.

Dr. Harris asked for questions concerning the Landfill Leachate Collection System. No questions were asked. Dr. Harris stated that all are welcome to observe what is being done at the landfill and briefly explained the collection process.

Dr. Harris moved on to discuss the underground storage tanks. He provided a brief overview of the former Building 710 Gas Station. He stated that it is located along the northern base boundary and that benzene is in the shallow liquid. He noted that fuels are potentially migrating north off-base in the shallow groundwater. Dr. Harris stated that the Air Force is currently sampling in Wabash Park and will begin sampling near the bus barn on Eater Jr. High property June 1, 2005. Dr. Harris stated that the principal of the school was notified as well as the Recreation Department.

Dr. Harris asked for questions pertaining to the underground storage tanks. Mr. Fothergill asked how far down core samples were being taken. Dr. Harris stated that they were taken 8-10 feet below ground level. Mr. Fothergill stated that he had heard that fuel in this area typically goes to the clay membrane underground and then migrates. He asked if that was accurate. Dr. Harris stated that there are typically sand lenses in this area; however, they are difficult to detect. He expanded by saying that what Mr. Fothergill had heard was accurate and that sometimes fuel can migrate for miles. However, that typically isn't the case in this area. Mr. Fothergill asked if the underground storage tank is located near a water well. Dr. Harris clarified that the underground storage tank was located further east than monitoring wells 706 and 705. Mr. Fothergill asked if the gas station was different from the base gas station. Dr. Harris stated that it was a different gas station and existed prior to the base gas station. Mr. Hill asked what the concentration levels in the screened groundwater were. Dr. Harris pulled up the GIS map for reference and stated that the decision criteria level for benzene is 5 parts per billion, whereas the sampling result was 71-72 parts per billion.

Dr. Harris concluded the Environmental Program Status update by reporting that nine areas had been closed in relation to the Preliminary Assessment/Site Investigation reports:

- Area South of Enlisted Club
- Building 48 Photo Hut
- Pistol Range Area 1
- Rifle Range Area 1
- Former Playground Area
- East Wastewater Treatment Plant
- South (500's area) Wastewater Treatment Plant

- Building 136 Laundry
- Sludge Drying Beds at the former Ferrosilicon Gas Plant

Dr. Harris noted that EPA and IEPA agreed with the closures. Mr. Thompson remarked that the closures were a great leap forward.

**Property Transfer Program Status:** Dr. Harris briefly summarized the Airport Transfer Finding of Suitability to Transfer. He explained that EPA sent a letter to the Air Force with comments and the Air Force anticipates receipt of IEPA comments by the end of the week. He stated that the Air Force will address and respond to all comments received.

**RAB Member Topics of Interest from the Floor:** Ms. Coderre verified that future topics of interest for the RAB included a munitions site update and information on Site A2-a. Mr. Berger stated that the RAB had provided information on the property on the north side of the base and would like to know the status on it. Dr. Harris clarified that the Air Force has started the FOST on that area which is near Veterans. He noted that it shouldn't take long for completion and the goal is for the FOST to be out of the office by the June/July timeframe. Ms. Coderre stated that it should be presented at the next RAB meeting.

Ms. Coderre stated that the Proposed RAB Rule would most likely be finalized this fall. She asked RAB members if they would like to develop a charter subcommittee to develop new operating procedures for the RAB based on the new rule. Ms. Coderre asked RAB members how they would like to proceed regarding the charter and the rule. Mr. Fothergill stated that it would be beneficial for Ms. Coderre to meet with the RAB when the rule is finalized to walk them through the charter development process. Ms. Coderre agreed that she would be present to assist. Ms. Coderre asked if she was correct in assuming that all RAB members would like to be a part of the charter subcommittee. The entire RAB agreed.

**Meeting Wrap-Up:** Ms. Coderre stated that there were no action items for the next meeting. Proposed agenda items for the next meeting include a munitions site update and information on Site A2-a. The proposed next RAB meeting will be Thursday, August 25, 2005 at the Rantoul Corporate Technology Center at noon. Ms. Coderre asked for a motion for adjournment. Mr. David Johnston, RAB member, moved to adjourn. Mr. Fothergill seconded the motion. The motion carried.

The meeting adjourned at 1:02 p.m.

**Suggested August Agenda Items**

- Munitions Site Update, Dr. Harris
- Update on Site A2-a, Dr. Harris

**Next Meeting:** August 25, 2005, at 12:00 p.m., Rantoul Corporate Technology Center

**Restoration Advisory Board Meeting Former Chanute AFB  
May 24, 2005  
Meeting Sign-In Roster**

Mr. Reed Berger, RAB member  
Ms. Sonja Coderre, AFRPA  
Mr. Caryl Fothergill, RAB member  
Mr. Darren Guttmann, Air Force Center for Environmental Excellence  
Dr. Bill Harris, AFRPA  
Mr. Christopher Hill, IEPA  
Mr. David Johnston, Community Co-chair, RAB member  
Ms. Cheri Kirkpatrick, Booz Allen Hamilton  
Mr. Gary Koski, AFRPA  
Mr. Tim Mitchell, News-Gazette  
Ms. Deborah Rawlings, Rantoul Press  
Ms. Diane Shields, Village of Rantoul Aviation and Economic Development  
Mr. Owen Thompson, USEPA Region V  
Mr. David Wacker, Booz Allen Hamilton  
Ms. Lorraine Wirges, RAB member



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

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*Integrity - Service - Excellence*

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



**May 24, 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*

- **RAB Recruitment**
- **Meeting Minutes from December 2004 and February 2005**



# *Environmental Program Status*

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*Presented by Dr. Bill Harris*

- **Soil Vapor in Buildings**
- **Landfills Operations and Maintenance Update**
- **Underground Storage Tanks at Building 710**
- **Report Status**



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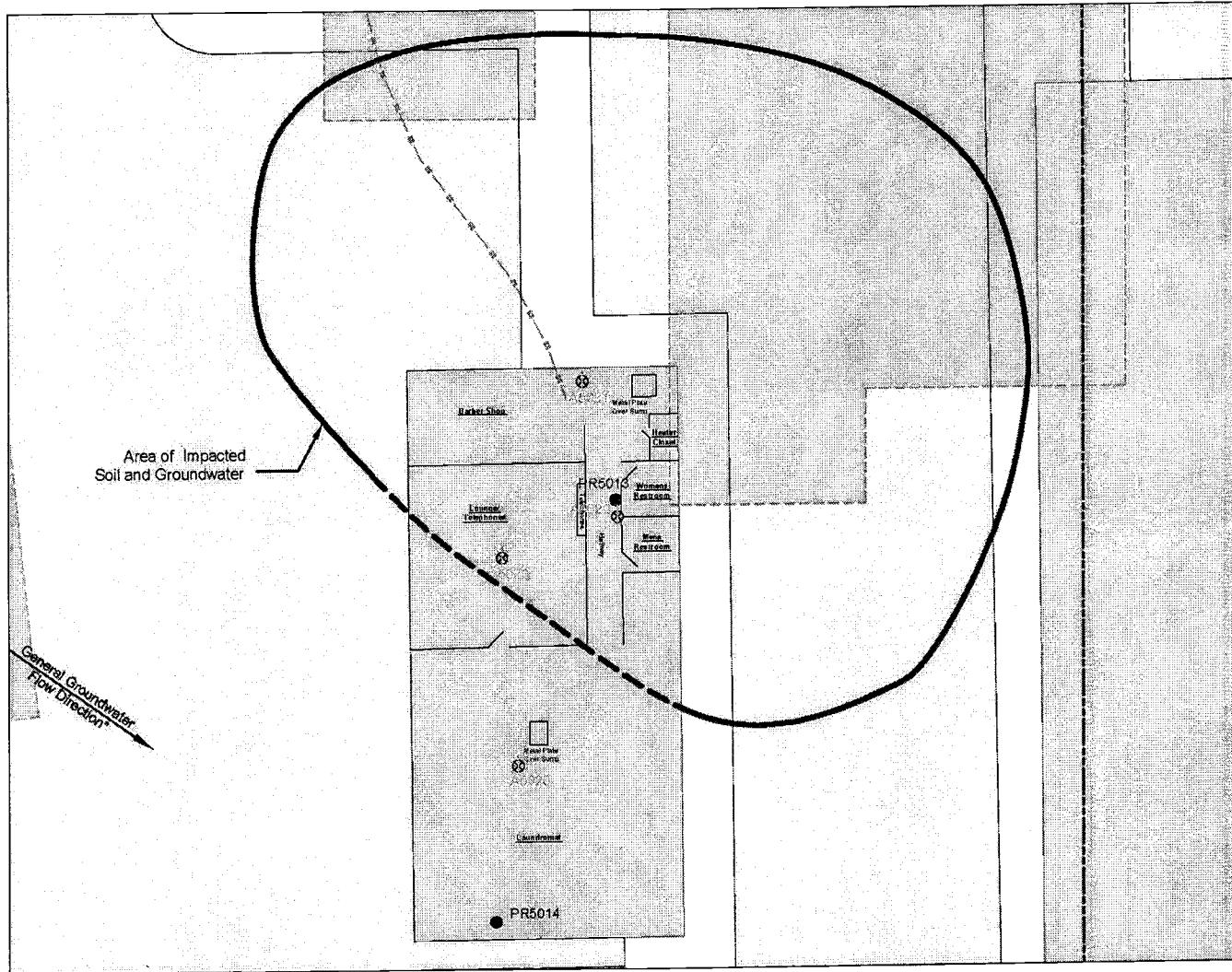
# ***Soil Vapor In Buildings***

- **Building 343 Laundromat**
- **Building 923 C & S Waste Services**
- **Building 995 Test Cells**



# Building 343 Laundromat

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## ***Building 343 Laundromat***

- Site Map Shows the extent of VOCs in soil and groundwater on north side of Bldg. 343.
- Two sub-slab vapor samples were collected.
- One location exceeded EPA guidance screening values for residences.
- The vapor sample from the second sub-slab location did not exceed screening values.

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# ***Building 343 Laundromat Indoor Air Results***

- Four indoor air samples were collected and showed slightly elevated potential risk for two chemicals based on residential exposure: TCE and PCE. These were in an acceptable risk level for the current use of the structure.
- The AF is further evaluating the potential risks and possible actions.





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# ***Building 343 Laundromat Indoor Air Results***

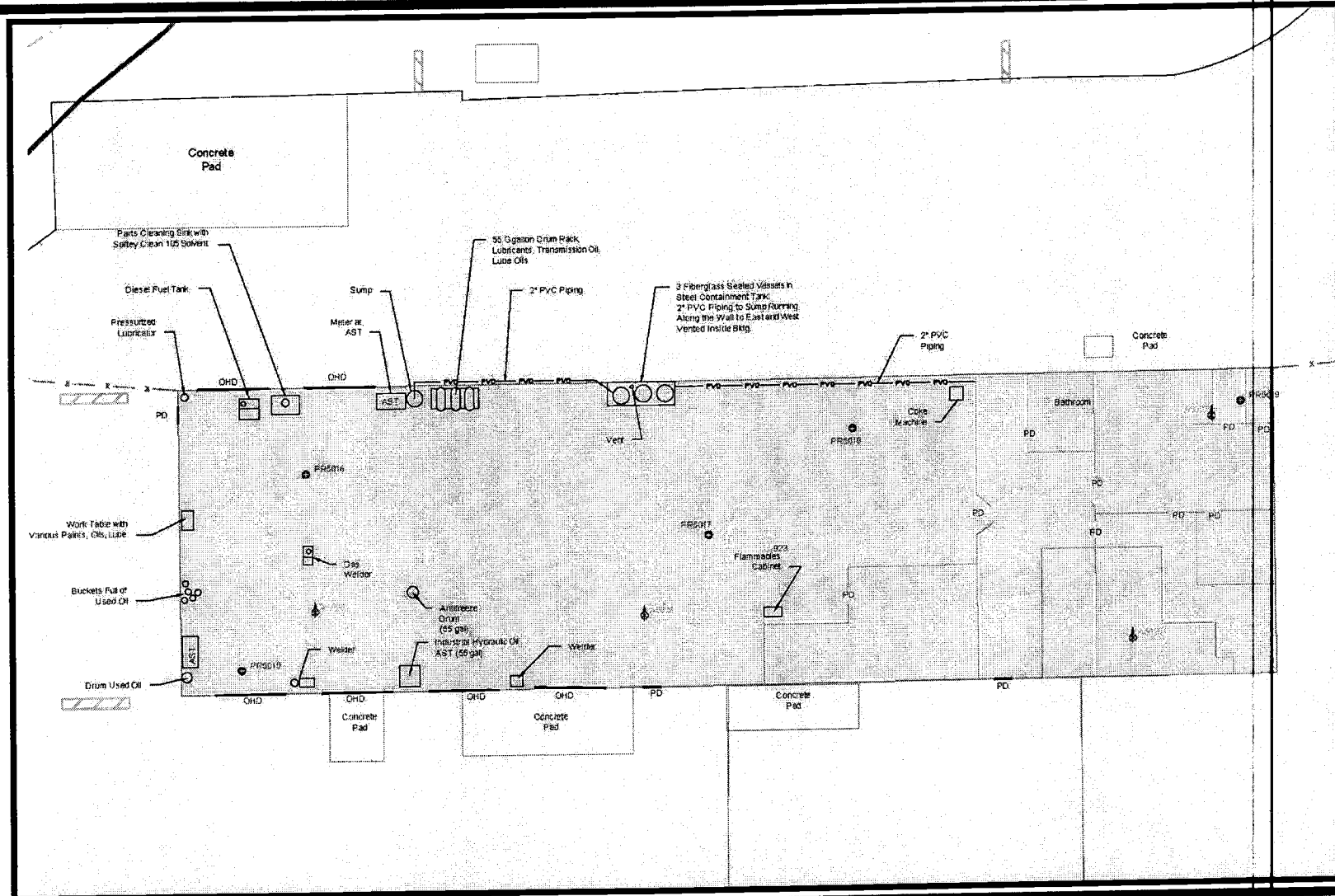
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- Four 4 indoor air samples were collected.
- Cancer risk is within accepted range of 1 in 10,000 to 1 in 1,000,000 for the current building use.
- Non-cancer risk was acceptable for residential, worker, and student scenarios.



# Bldg. 923 - C&S Waste Services Indoor Air Results

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## ***Bldg. 923 - C&S Waste Services Indoor Air Results***

- Four samples were collected of both sub-slab vapor and indoor air
- All sub-slab sample results exceed EPA screening values for residences.
- Indoor air concentrations showed slightly elevated risk for TCE, PCE, and benzene based on industrial exposure.



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## ***Bldg. 923 - C&S Waste Services Indoor Air Results (Con't)***

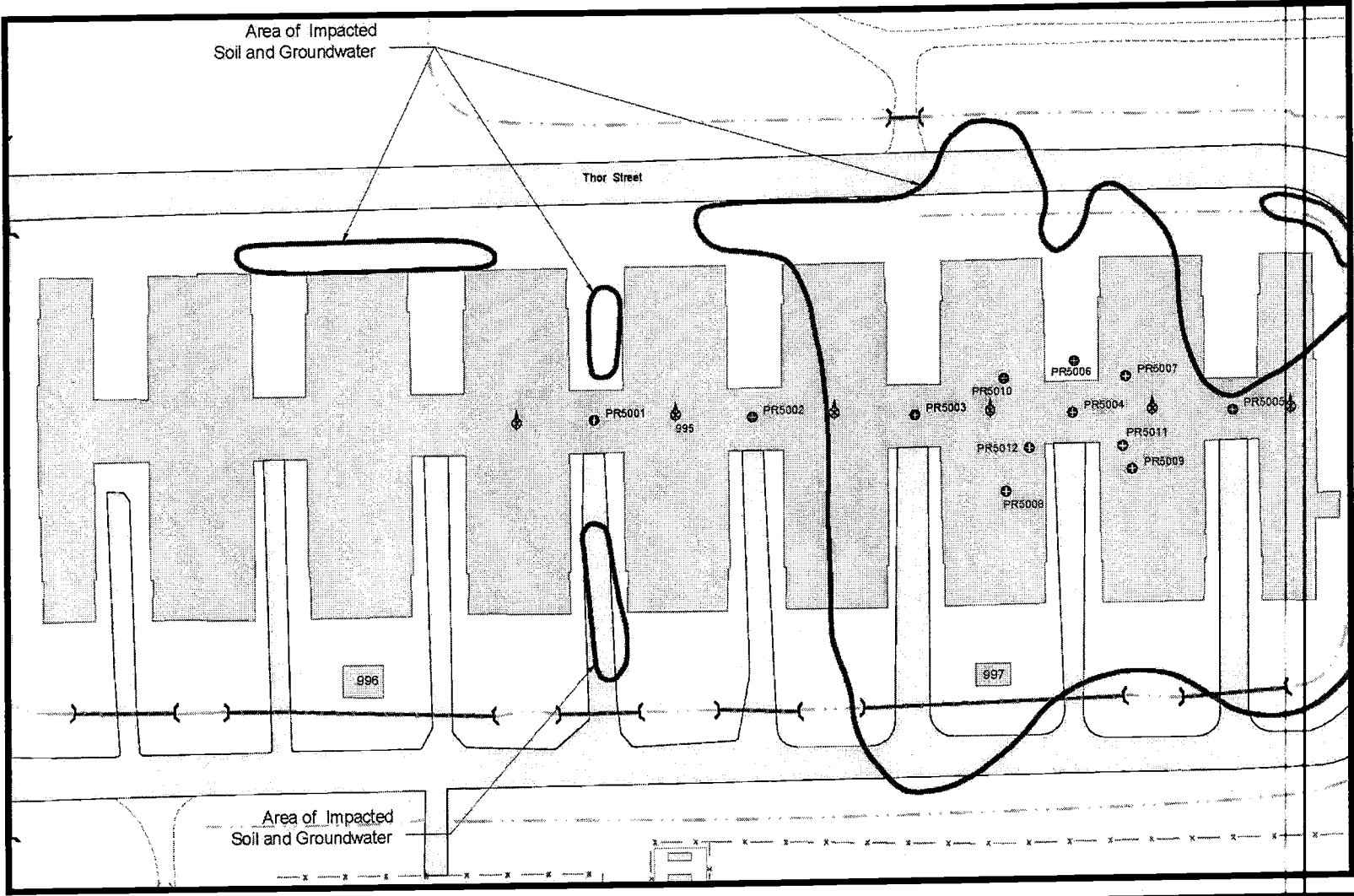
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- Benzene results are likely biased high because a diesel engine was running during the latter part of the sample collection period.
- Non-cancer risk was acceptable for industrial workers.
- The AF has resampled indoor air and will further evaluate the potential risks and possible actions.



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# Building 995 Engine Test Cells Sub-Slab Sampling Results





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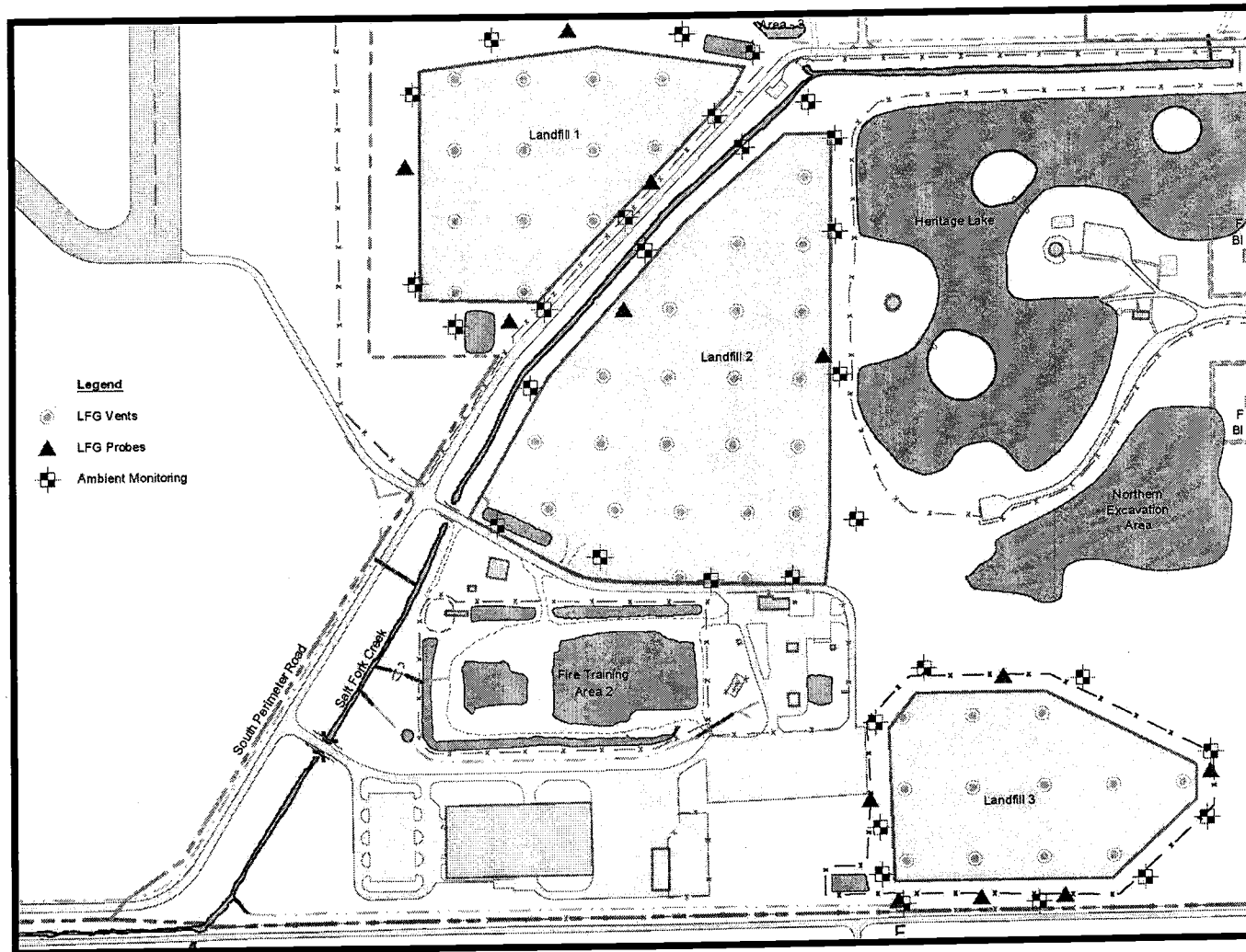
# ***Building 995 Engine Test Cells Sub-Slab Sampling Results***

- Eleven samples were collected of sub-slab vapor and 3 samples were collected of soil gas (5 ft depth).
- Nine sub-slab results and all 3 soil gas results exceed EPA screening values for residences. Chemicals that exceed include TCE, 1,2-DCE, and vinyl chloride
- Indoor air samples were collected at 6 locations on May 13. Lab results are pending.



# Landfills 1-3 Air Monitoring

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## *Landfills 1-3 (Past 90 days)*

- Monthly monitoring at Landfills 1-3 gas vents has detected only low levels of methane and carbon dioxide. No significant gas migration observed in gas probes or ambient air locations.
- In April 2005, Landfill 3 gas flow rates were measured and also concluded there was negligible gas generation.
- Sparsely vegetated areas have been reseeded.



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## *Landfills (Upcoming 90 days)*

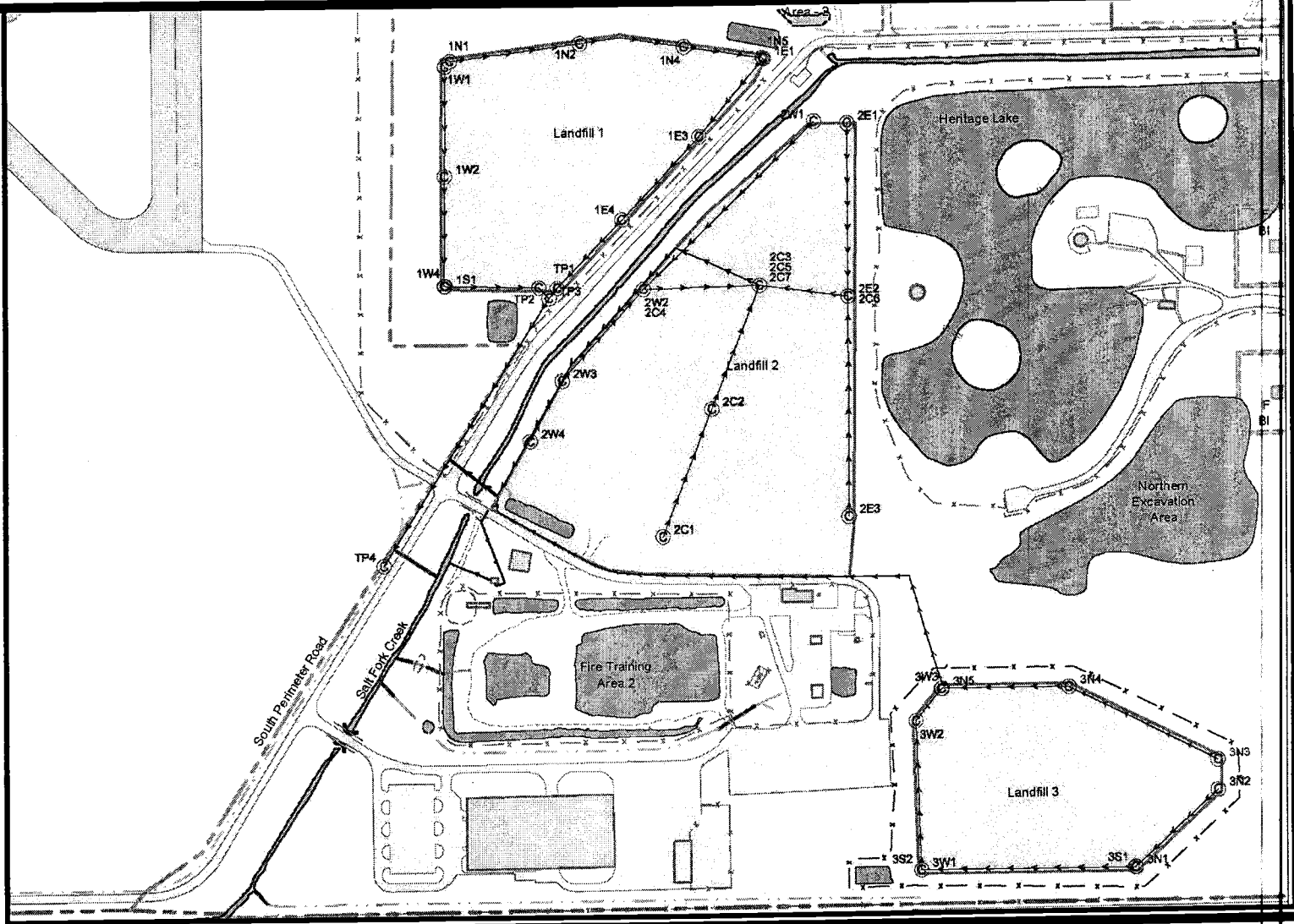
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- Continue monthly monitoring at landfill gas vents, probes, and three downwind locations.
- Monitor revegetation and erosion and reseed as necessary.
- Mow Landfills 1 and 3 grassy areas in June 2005. Allow Landfill 2 vegetation to become better established before mowing. (Wildflower areas will not be mowed until late fall, after the first frost.)



# Landfill Leachate Collection System

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# Landfill Leachate Collection System

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- Leachate Collection System started on 10 May 2005.
- Pumping from Landfill 1, treating and discharging to Salt Fork Creek.
- Pumped and treated approximately 250,000 gallons of leachate.
- Will begin pumping from Landfill 2 this week.
- Plan to start pumping from Landfill 3 in June.



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# ***Underground Storage Tanks***

*Presented by Dr. William Harris*

- **Former Building 710 Gas Station**
  - **Located Along the Northern Base Boundary**
  - **Fuels Potentially Migrating North Off-base in Groundwater**
  - **Currently Sampling in Wabash Park and on Eater Jr. High Property**



# *Site Closure Report Progress*

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*Presented by Dr. William Harris*

## **RI Reports- Progress Update**

## **PA/SI Reports- Nine Areas Closed!**

**Area South Of Enlisted Club**

**Pistol Range Area 1**

**Former Playground Area**

**South (500's Area) WWTP**

**Sludge Drying Beds at the Former Ferrosilicon Gas Plant**

**Bldg. 48 Photo Hut**

**Rifle Range Area 1**

**East WWTP**

**Bldg. 136 Laundry**



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# ***Property Transfer Program Status***

*Presented by Dr. Bill Harris*

- **Airport Transfer FOST**



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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, August 25, 2005**  
**Rantoul Corporate Technology Center**  
**Time?**



**FINAL PAGE**

**ADMINISTRATIVE RECORD**

**FINAL PAGE**