

# MEETING NOTES



**MONTGOMERY WATSON**

EPA Region 5 Records Ctr.



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**Date:** August 26, 1997

**Date of Meeting:** August 20, 1997

**Time:** 9:00 p.m.

**Location:** Blackwell Landfill

**Reference:** 1252008.051801

**Attendees:** Jerry Hartwig, Forest Preserve District (FPD)  
Jim Sheffler, FPD  
Jack Gilbraith, Envirocon, Inc.  
Bill Whealy, Envirocon, Inc.  
Walter Buettner, MWA  
John McDonough, MWCI  
Brian Griesemer, MWA

**Subject:** Construction Progress Meeting  
Blackwell Landfill NPL Site

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**Notes:**

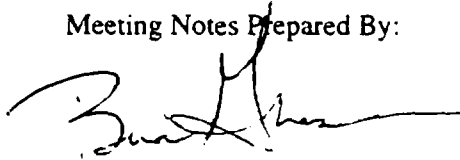
1. Walter Buettner asked the Attendees whether they had issues regarding the June 15, 1997 Pre-Construction Meeting Notes. No issues were raised.
2. Envirocon indicated that soil excavation in Cap Repair Area 3 and grading activities in Cap Repair Area 5 will continue for the remainder of the week. Trenching for the LCS and soil stripping in Areas 1, 2, and 4 was tentatively scheduled for the following week. Envirocon indicated their mechanical subcontractor, RET, intended to begin the LCS trenching from the top of Mt. Hoy.
3. Jerry Hartwig indicated that the FPD is still looking for additional clay borrow sources, and has several leads. Montgomery Watson again indicated that there would be cost and schedule implications to the project if sufficient clay borrow was not available. Walter Buettner suggested pre-testing any possible borrow sources to confirm the material's suitability and geotechnical properties prior to material delivery to the Site. Walter Buettner and John McDonough further suggested that the FPD make arrangements to get clay material from only one or two borrow sources.

4. Walter Buettner indicated that Montgomery Watson is evaluating the possible installation of a lift station at manhole MH-3 to connect the North Stormwater Pipe to the LCS. Montgomery Watson will provide a design modification to Envirocon for cost estimating.
5. Bill Whealy, Envirocon, requested a temporary electrical tie-in into the FPD's power supply. John McDonough will prepare a letter requesting this tie-in.
6. Walter Buettner indicated that Montgomery Watson is preparing a work plan for subsurface sampling between manhole MH-1 and MH-2, and is also preparing the draft O&M plan.
7. Jerry Hartwig observed that pockets of clay were being excavated from Area 3, and requested that Envirocon separate and stockpile this material for possible use on other cap repair areas. Walter Buettner suggested pre-testing the stockpiled material to confirm the material's suitability and geotechnical properties.
8. Area 2 Berm: Jerry Hartwig requested that Montgomery Watson evaluate a soil berm on the north side of Cap Area 2, and determine whether that berm must be excavated. Walter Buettner indicated that Montgomery Watson will re-examine the soil borings conducted during the Pre-Construction investigation to confirm if the berm is within the cap repair area.

**Action Items:**

1. Montgomery Watson will prepare possible LCS design modifications and cost estimated to install a lift station at manhole MH-3.
2. John McDonough will continue discussing the cap repair schedule with Envirocon.
3. Montgomery Watson will provide FPD with draft copies of:
  - Addendum to Sampling Plans;
  - O&M plan;

Meeting Notes Prepared By:



Brian Griesemer  
Montgomery Watson



Walter Buettner  
Montgomery Watson

cc: Michael E. Bellot, U.S. EPA  
Rick Lanham, IEPA  
Joseph Benedict, Forest Preserve District  
Kostas Dovantzis, Tetra Tech EM, Inc.  
Kurt Lindland, U.S. EPA Assistant Regional Counsel  
Peter Vagt, Montgomery Watson  
Tom Blair, Montgomery Watson

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# MEETING NOTES



**MONTGOMERY WATSON**

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**Date:** September 12, 1997

**Date of**

**Meeting:** September 10, 1997

**Time:** 9:00 a.m.

**Location:** Blackwell Landfill

**Reference:** 1252008.051801

**Attendees:** Jerry Hartwig, Forest Preserve District (FPD)

Jim Sheffler, FPD

Jerry Pionessa, Envirocon, Inc.

Walter Buettner, MWA

John McDonough, MWCI

Joe Larson, MWA

Dean Free, MWA

Brian Griesemer, MWA

**Subject:** Construction Progress Meeting  
Blackwell Landfill NPL Site

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**Notes:**

1. Walter Buettner asked the Attendees whether they had any issues regarding the distributed September 3, 1997 Construction Progress Meeting Notes. No issues were raised.
2. John McDonough stated that the asphalt access road and pathway in Area 3 has been replaced, and that Envirocon has completed seeding activities in Cap Repair Areas 3 and 5. Jim Sheffler indicated that, if necessary, the FPD will authorize a Change Order to Montgomery Watson after September 15, 1997 to provide watering services to promote seed germination in Cap Repair Areas 3 and 5.

Mr. Sheffler indicated that some landscaping edges around Cap Repair Areas 3 and 5 require housekeeping. Walter Buettner indicated that Montgomery Watson will resolve this issue.

3. Mr. Buettner indicated that he will officially inform the U.S. EPA and Envirocon regarding the FPD's decision to suspend remaining Cap Repair construction until next year because of the current unavailability of suitable clay.
4. Mr. Pionessa indicated that by the end of this week Envirocon will document the electrical load required for the LCS.
5. Walter Buettner indicated that a strict interpretation of the LCS drawings and specifications would suggest that the top two feet of the LCS trench needs to be backfilled with compacted clay that meets certain density and material specifications, and that this strict interpretation was never intended for this site. Mr. Buettner noted that the Blackwell Landfill has a thick existing clay cover over most of the landfill that could extend up to 60 feet in some areas; however, the LCS trenches are designed to extend a maximum of about four feet into this existing cover. Therefore, over most of the landfill, the documented thickness of existing clay below the base of the LCS trenches will be greater than the minimum two feet thickness of low permeability material required by the U.S. EPA Administrative Order by Consent.

Mr. Buettner indicated that the U.S. EPA has verbally agreed in principal to the following:

- Where previous reports indicates at *greater than six foot thickness* of existing clay cover along the LCS trench alignment, the trench would be backfilled with previously excavated clay material. The backfilled clay would be placed in lifts and each lift would be compacted; however, no physical testing would be conducted.
- Where previous reports indicates *less than six foot thickness* of existing clay cover along the LCS trench alignment, the top two feet of the trench would be backfilled with clay material with known geotechnical properties. The backfilled clay would be placed in lifts and each lift would be compacted and tested against the construction specifications.

Mr. Buettner indicated that a letter has been submitted to the U.S. EPA requesting their formal approval of this construction clarification.

Mr. Buettner indicated that approximately 500 linear feet of LCS trench on the north side of Mt. Hoy is deficient of the required six feet of suitable clay material. Montgomery Watson will provide Envirocon with a highlighted drawing of these identified areas.

6. The FPD provided Envirocon's subcontractor, RTE, with permission to cross a landscaped area of the landfill to deliver 50 foot sections of HDPE pipe to the east

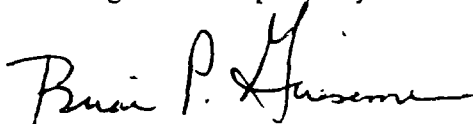
side of Mt. Hoy. The FPD will repair any landscaping damage that occurs during delivery.

7. Walter Buettner indicated that Montgomery Watson will perform subsurface sampling between manhole MH-1 and MH-2 after U.S. EPA approval of the addenda to the previously Agency approved Field Sampling Plan (FSP) and Quality Assurance Project Plan (QAPP).
8. Jerry Pionessa mentioned that Envirocon's electrical subcontractor is Gregory Electric of Naperville, Illinois, and construction surveying of the LCS will be provided by David Will & Associates of St. Charles, Illinois. The surveying company is a professional Illinois land surveyor.
9. Jerry Pionessa mentioned that Envirocon will address the existing overhead electrical lines in the building area upon receiving the leachate holding tank.
10. Jerry Pionessa indicated that he will soon provide Montgomery Watson with the costs for installing the lift station at manhole MH-3.

**Action Items:**

1. Montgomery Watson will provide Envirocon with a highlighted drawing outlining the LCS trench areas deficient of the six foot thickness of suitable clay material.
2. John McDonough will continue discussing the LCS schedule with Envirocon.
3. Montgomery Watson will shortly provide the FPD with a copy of the draft O&M plan.

Meeting Notes Prepared By:



Brian Griesemer  
Montgomery Watson



Walter G. Buettner  
Montgomery Watson

cc: **Michael E. Bellot, U.S. EPA:**  
Rick Lanham, IEPA  
Joseph Benedict, Forest Preserve District  
Kostas Dovantzis, Tetra Tech EM, Inc.  
Kurt Lindland, U.S. EPA Assistant Regional Counsel  
Tom Blair, Montgomery Watson

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# MEETING NOTES



**MONTGOMERY WATSON**

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**Date:** October 7, 1997

**Date of**

**Meeting:** October 1, 1997

**Time:** 9:00 a.m.

**Location:** Blackwell Landfill

**Reference:** 1252008.051801

**Attendees:** Jerry Hartwig, Forest Preserve District (FPD)  
Jim Sheffler, FPD  
Jerry Pionessa, Envirocon, Inc.  
Walter Buettner, MWA  
John McDonough, MWCI  
Brian Griesemer, MWA

**Subject:** Construction Progress Meeting  
Blackwell Landfill NPL Site

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**Notes:**

1. Walter Buettner asked the Attendees whether they had any issues regarding the distributed September 24, 1997 Construction Progress Meeting Notes. Jerry Pionessa indicated that Montgomery Watson had provided him with the requested compaction and survey results.
2. Mr. Buettner indicated that landfill refuse was encountered at the base of the LCS trench between extraction wells EW08 and EW07, and that Envirocon was instructed not to excavate the refuse. Instead, Envirocon was instructed to place clay back over the refuse, and to raise the LCS piping as necessary to maintain design grades. Envirocon was also instructed to place two feet compacted clay material meeting construction specifications over these portions of the LCS trench.
3. John McDonough indicated that seed germination was not complete in some parts of Cap Repair Areas 3 and 5. Jerry Pionessa indicated rain was forecasted for

later that week, and that Envirocon would wait a week before addressing this issue.

4. Mr. Pionessa stated that pressure testing had been completed on the LCS conveyance pipe between extraction well EW07 and dripleg DL01, and that the test results met construction specifications. Mr. Pionessa also indicated that the LCS trenches had been backfilled with compacted clay that met construction specifications, and that final grading and seeding between EW07 and DL01 would be completed by the end of the week.
5. Walter Buettner provided attendees with a design package modifying lift station LS01 and drip leg DL01. These modifications are necessary due to the elevated water conditions in the area which effectively prohibits deep excavations. In the new design, LS01 and DL01 will be installed in separate excavations, and will be partially raised above existing ground surface. The top two feet of the excavations will be backfilled with compacted clay meeting design specifications, and additional soil will be mounded around LS01 and DL01 for frost protection. Overall system performance will not be affected by these design modifications.

As well, Mr. Buettner indicated that the sand bedding and clay backfill in the LCS trenches between MH-20 and LS01, and DL01 and LS01 should be replaced with a dry sand-bentonite mixture. Mr. Buettner indicated that specific criteria for the sand-bentonite mixture will be summarized in a letter to Envirocon.

John McDonough indicated that Montgomery Watson is considering adding ballast to LS01 to address buoyancy issues.

6. Walter Buettner indicated that formal U.S. EPA approval of the Addenda to the previously Agency approved Field Sampling Plan (FSP) and Quality Assurance Project Plan (QAPP) has not yet been received.
7. Mr. Pionessa indicated that the LCS air compressor, control panel and leachate holding tank had been delivered to the site.
8. Mr. Buettner indicated that additional information regarding lightning protection of the LCS control building would soon be provided to Envirocon.
9. Mr. Hartwig requested that Envirocon place new gravel on the access roads where they were crossed by LCS trenches.

**Action Items:**

1. Montgomery Watson will provide a letter to Envirocon regarding the backfill of LCS trenches between manhole MH-20 and LS01, and between DL01 and LS01.
2. John McDonough will continue discussing the LCS schedule with Envirocon.
3. Montgomery Watson will provide the FPD with a copy of the draft O&M plan.

Meeting Notes Prepared By:



Brian Griesemer  
Montgomery Watson



Walter G. Buettner  
Montgomery Watson

cc: Michael E. Bellot, U.S. EPA  
Rick Lanham, IEPA  
Joseph Benedict, Forest Preserve District  
Kostas Dovantzis, Tetra Tech EM, Inc.  
Kurt Lindland, U.S. EPA Assistant Regional Counsel

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# MEETING NOTES



MONTGOMERY WATSON

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**Date:** October 10, 1997

**Date of**

**Meeting:** October 8, 1997

**Time:** 9:00 a.m.

**Location:** Blackwell Landfill

**Reference:** 1252008.051801

**Attendees:** Jerry Hartwig, Forest Preserve District (FPD)

Jim Sheffler, FPD

Jerry Pionessa, Envirocon, Inc.

Peter Vagt, MWA

Walter Buettner, MWA

John McDonough, MWCI

Brian Griesemer, MWA

**Subject:** Construction Progress Meeting  
Blackwell Landfill NPL Site

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## Notes:

1. Walter Buettner asked the Attendees whether they had any issues regarding the distributed October 1, 1997 Construction Progress Meeting Notes. No issues were raised.
2. Mr. Buettner provided Envirocon with a letter regarding the backfill of LCS trenches with a dry sand-bentonite mixture between manhole MH-20 and LS01, and between DL01 and LS01.
3. Mr. Pionessa stated that required re-seeding in some parts of Cap Repair Areas 3 and 5 has been completed. Mr. Pionessa indicated that the LCS trenches on the west side of the Site have been seeded.
4. Mr. Buettner distributed Testing Service Corporation's Percent Compact, Daily Summary, and Daily Inspection Reports to the attendees. Mr. Buettner indicated

that the reports provide soil compaction testing results from backfilling the LCS trenches on September 22 and 26, 1997.

5. Jerry Pionessa indicated that piping has been recently placed in LCS trenches between EW04 and EW01 and EW01 and EW01A, and will be placed in LCS trenches between EW03 and EW01 by the end of the week. Mr. Pionessa also indicated that conveyance pipe pressure testing between EW01 and EW04, EW01 and EW01A, and EW01 and EW03 will be completed by the end of the week.
6. Mr. Pionessa stated that the wooded area between manhole MH-1 and MH-2, and the designated area for the leachate holding tank has been cleared and grubbed. Mr. Pionessa indicated that the leachate holding tank will be installed by the end of this week, or the beginning of next week.
7. Mr. Pionessa indicated that EW01 and EW01A vaults in Cap Repair Area 4 will be raised one foot above existing grade to prepare them for Cap Repair construction next spring.
8. Walter Buettner indicated that formal U.S. EPA approval of the Addenda to the previously Agency approved Field Sampling Plan (FSP) and Quality Assurance Project Plan (QAPP) has not yet been received.
9. Mr. Pionessa stated that Commonwealth Edison indicated that they require the FPD to install a four 4-inch diameter PVC conduit in a three foot trench in order to install new electrical lines. John McDonough will contact Diane Bowden of Commonwealth Edison to discuss the issue.
10. John McDonough indicated that Montgomery Watson has modified the LCS trench design from LS02 (formerly MH-3) to DL02. The design modification consists of changing the design grade from 2% to 1%, and is possible because this area is outside the limits of landfill refuse.


**Action Items:**

1. John McDonough will continue discussing the LCS schedule with Envirocon.
2. Montgomery Watson will provide the FPD with a copy of the draft O&M plan.

Meeting Notes Prepared By:



Brian Griesemer  
Montgomery Watson



Walter G. Buettner  
Montgomery Watson

cc: Michael E. Bellot, U.S. EPA  
Rick Lanham, IEPA  
Joseph Benedict, Forest Preserve District  
Kostas Dovantzis, Tetra Tech EM, Inc.  
Kurt Lindland, U.S. EPA Assistant Regional Counsel

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# MEETING NOTES



**MONTGOMERY WATSON**

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**Date:** October 21, 1997

**Date of**

**Meeting:** October 15, 1997

**Time:** 9:00 a.m.

**Location:** Blackwell Landfill

**Reference:** 1252008.051801

**Attendees:** Jerry Hartwig, Forest Preserve District (FPD)

Jim Sheffler, FPD

Jerry Pionessa, Envirocon, Inc.

Peter Vagt, MWA

Walter Buettner, MWA

John McDonough, MWCI

Brian Griesemer, MWA

**Subject:** Construction Progress Meeting  
Blackwell Landfill NPL Site

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**Notes:**

1. Walter Buettner asked the Attendees whether they had any issues regarding the distributed October 8, 1997 Construction Progress Meeting Notes. No issues were raised.
2. Mr. Pionessa stated that conveyance pipe pressure testing between extraction well EW01 and EW04, EW01 and EW01A, and EW01 and EW03 was completed. John McDonough indicated that the LCS trenches between the above referenced extraction wells have been backfilled and compacted in accordance with the construction specifications. Mr. Pionessa indicated that grading between EW01 and EW01A will be completed by the end of the week.

3. Mr. McDonough indicated that dripleg DL01 and lift station LS01 will be delivered by the end of the week. Mr. McDonough further indicated that the LCS telephone telemetry system, and the data modules for the lift stations would soon be installed.
4. Mr. Pionessa indicated that the concrete foundation for the compressor/control would be poured by the end of the week. The building would be erected once concrete had sufficiently cured. Mr. Pionessa also indicated that the leachate holding tank would be completely installed by the end of the week.
5. Mr. McDonough indicated that LCS trenching was currently advancing through Cap Repair Area 4, and that it was necessary to mound soil over the completed LCS trench to provide frost protection. Because two feet of compacted clay would be placed over Area 4 as part of next year's construction activities, Mr. McDonough proposed either to place two feet of suitable clay material now over the trench, with next year's cap repair tied into this clay, or to temporarily place general soil fill over the trench, with this soil being regraded next year. Mr. Hartwig instructed Montgomery Watson to temporarily place previously excavated material over the LCS trenches, and to remove any excess material during next year's construction season.
6. Messrs. Pionessa and McDonough distributed sketches proposing the site layout and location of the LCS compressor/control building, transformer, DL02, leachate holding tank, security fence, air lines, electrical lines and building lightning protection system. The FPD requested that a two-inch diameter HDPE pipe be extended through the foundation to the outside of the compressor/control building foundation for removal of condensate, if needed in the future.
7. Walter Buettner indicated that Montgomery Watson received Agency comments on the proposed investigation of the North Stormwater Pipe between manhole MH-1 and MH-2. Mr. Buettner indicated that the Agencies have requested an expanded investigation, but that this investigation would not affect LCS trenching.
8. Mr. Pionessa indicated that Gregory Electric will drive an underground four inch diameter PVC conduit from Commonwealth Edison's power pole to the LCS transformer. Commonwealth Edison will install new electrical lines through this PVC conduit to provide electrical power for the LCS compressor/control building.

**Action Items:**

1. John McDonough will continue discussing the LCS schedule with Envirocon.
2. Montgomery Watson will provide the FPD with a copy of the draft O&M plan.

Meeting Notes Prepared By:



Brian Griesemer  
Montgomery Watson



Walter G. Buettner  
Montgomery Watson

cc: Michael E. Bellot, U.S. EPA  
Rick Lanham, IEPA  
Joseph Benedict, Forest Preserve District  
Kostas Dovantzis, Tetra Tech EM, Inc.  
Kurt Lindland, U.S. EPA Assistant Regional Counsel

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# MEETING NOTES



**MONTGOMERY WATSON**

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**Date:** October 28, 1997

**Date of**

**Meeting:** October 22, 1997

**Time:** 9:00 a.m.

**Location:** Blackwell Landfill

**Reference:** 1252008.051801

**Attendees:** Jerry Hartwig, Forest Preserve District (FPD)  
Jerry Pionessa, Envirocon, Inc.  
Walter Buettner, MWA  
John McDonough, MWCI  
Brian Griesemer, MWA

**Subject:** Construction Progress Meeting  
Blackwell Landfill NPL Site

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**Notes:**

1. Walter Buettner asked the Attendees whether they had any issues regarding the distributed October 15, 1997 Construction Progress Meeting Notes. No issues were raised.
2. Jerry Pionessa stated that the LCS compressor/control building had been erected, and the building lightning protection system and transformer pad have been installed. Mr. Pionessa also stated that lift station LS01 and dripleg DL01 were delivered and will be installed by the end of the week, and that the leachate holding tank was placed and partially backfilled with soil. Mr. McDonough indicated that LCS trench excavation was complete, and that the surveying of conveyance piping between extraction well EW04 and manhole MH-3 had been finalized.
3. Mr. Pionessa indicated that by the end of the week, the interior of manhole MH-3 will be grouted and sealed, and will be converted to lift station LS02.

4. Jerry Pionessa indicated that at the request of the FPD, a construction modification will be made to the compressor/control building. Mr. Pionessa indicated that the construction specifications currently require four layers of 5/8" dry wall for fire protection. However, Envirocon will instead install two layers of 5/8" dry wall.
5. Mr. Pionessa indicated that at the request of the FPD, a construction modification will be made to the LFG vent stack. The LFG vent stack will be modified from a guy wire supported 25 foot high stack to a free standing 15 foot high stack. Walter Buettner indicated that the U.S. EPA has not yet responded to Montgomery Watson's September 24, 1997 Addenda No.3 to the May 1997 Expedited Final Design of Leachate Collection System. Addendum No. 3 modified the stack height from 25 to 15 feet.
6. Mr. McDonough indicated that the design drawings require impermeable soil around the LCS piping between MH-3 and DL02 since this area is outside the limits of landfill refuse. He indicated that an impermeable composite bentonite material, Bentofix™, will be wrapped around the LCS piping.
7. Walter Buettner stated that Montgomery Watson has submitted a draft O&M Plan to the FPD.
8. Mr. McDonough indicated that there is a short term, local shortage of powdered bentonite for the dry sand-bentonite mixture which is to be placed in the LCS trenches between MH-20 and LS01, and between DL01 and LS01. However, bentonite chips were readily available. Mr. Buettner indicated that bentonite chips could not be substituted for powdered bentonite in the sand-bentonite mixture. However, pure bentonite chips could be used as a replacement for the sand-bentonite mixture. Mr. McDonough and Mr. Pionessa indicated that they would use a sand-bentonite mixture to the extent that powdered bentonite was available, and then use bentonite chips to complete construction.
9. Mr. Pionessa indicated that a four-inch diameter PVC electrical conduit had been placed beneath the access road near the compressor/control building. Gregory Electric has contacted Commonwealth Edison to install new electrical lines through the PVC conduit to provide electrical power for the LCS compressor/control building.
10. Mr. Buettner indicated that once construction of LS01 and DL01 were complete, he would provide a cost change order to the FPD. This change order was necessary due to the unexpected elevated water conditions in the area which resulted in numerous construction delays and a re-design of the lift station and dripleg.



**Action Items:**

1. John McDonough will continue discussing the LCS schedule with Envirocon.

Meeting Notes Prepared By:



Brian Griesemer  
Montgomery Watson



Walter G. Buettner  
Montgomery Watson

cc: Michael E. Bellot, U.S. EPA  
Rick Lanham, IEPA  
Joseph Benedict, Forest Preserve District  
Manoj Mishra, Tetra Tech EM, Inc.  
Kurt Lindland, U.S. EPA Assistant Regional Counsel

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# MEETING NOTES



MONTGOMERY WATSON

NOV 13 1997

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**Date:** November 3, 1997

**Date of**

**Meeting:** October 29, 1997

**Time:** 9:00 a.m.

**Location:** Blackwell Landfill

**Reference:** 1252008.051801

**Attendees:** Jerry Hartwig, Forest Preserve District (FPD)  
Jerry Pionessa, Envirocon, Inc.  
Peter Vagt, MWA  
Walter Buettner, MWA  
John McDonough, MWCI  
Brian Griesemer, MWA

**Subject:** Construction Progress Meeting  
Blackwell Landfill NPL Site

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**Notes:**


1. Walter Buettner asked the Attendees whether they had any issues regarding the distributed October 22, 1997 Construction Progress Meeting Notes. No issues were raised.
2. Jerry Pionessa indicated that lift station LS01 and dripleg DL01 would be installed by the end of next week. Mr. Pionessa also indicated that the interior of manhole MH-3 has been grouted, and that the conversion of MH-3 to lift station LS02 would be completed by the end of the next week.
3. Mr. Pionessa indicated that Commonwealth Edison has told him that permanent electrical power will be supplied to the LCS on November 6, 1997. Mr. Pionessa also indicated that the LFG stack will be placed on top of Mt. Hoy next to extraction well EW04 by the end of next week.

4. John McDonough indicated that at the request of the FPD, asphalt paving will be placed around the compressor/control building and electrical transformer. Mr. McDonough further indicated that the impermeable composite bentonite material, Bentofix™, will be wrapped around the LCS piping between MH-3 and DL01 by the end of the week.
5. Mr. Pionessa indicated that at the request of the Jerry Hartwig, ground cover would not be placed on top of the four foot thick soil cover over the leachate holding tank during the 1997 construction season. Instead, Mr. Hartwig requested that this decision be deferred until next spring, with ground cover being installed then if vegetation does not grow naturally, or if there is excessive soil erosion.
6. Mr. Pionessa indicated that start-up of the LCS initial was tentatively scheduled for the third week of November. Mr. Pionessa also indicated that arrangements are being made to have the LCS equipment vendors onsite during start-up to provide technical assistance.
7. Walter Buettner indicated that the U.S. EPA has requested with a more intensive subsurface investigation between MH-1 and MH-2 than originally proposed by Montgomery Watson. Mr. Buettner indicated that any expanded investigation would not affect current LCS construction.

**Action Items:**

1. John McDonough will continue discussing the LCS schedule with Envirocon.

Meeting Notes Prepared By:



Brian Griesemer  
Montgomery Watson



Walter G. Buettner  
Montgomery Watson

cc: Michael E. Bellot, U.S. EPA  
Rick Lanham, IEPA  
Joseph Benedict, Forest Preserve District  
Manoj Mishra, Tetra Tech EM, Inc.  
Kurt Lindland, U.S. EPA Assistant Regional Counsel

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# MEETING NOTES



MONTGOMERY WATSON

NOV 17 1997

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**Date:** November 11, 1997

**Date of**

**Meeting:** November 5, 1997

**Time:** 9:00 a.m.

**Location:** Blackwell Landfill

**Reference:** 1252008.051801

**Attendees:** Jerry Hartwig, Forest Preserve District (FPD)  
Jim Sheffler, FPD  
Jerry Pionessa, Envirocon, Inc.  
Peter Vagt, MWA  
Walter Buettner, MWA  
John McDonough, MWCI  
Brian Griesemer, MWA

**Subject:** Construction Progress Meeting  
Blackwell Landfill NPL Site

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**Notes:**

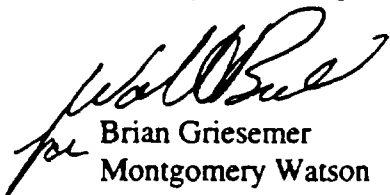
1. Walter Buettner asked the Attendees whether they had any issues regarding the distributed October 29, 1997 Construction Progress Meeting Notes. No issues were raised.
2. Jerry Pionessa indicated that lift station LS01 and dripleg DL01 had been installed, and that the electrical tie-ins and trench backfill should be completed by the end of the week. Mr. Pionessa further indicated that DL02 and the conveyance piping between manhole MH-3 and DL02 would be pressure tested by the end of the week.
3. Mr. Pionessa indicated that Commonwealth Edison expects to have permanent electrical power supplied to the LCS control building by the end of the week. Mr. Pionessa also indicated that the LFG vent stack is presently being fabricated, and will be installed by the end of next week.

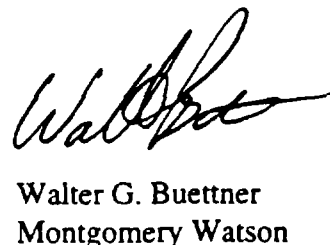
4. John McDonough indicated that a ground covering needs to be installed around LCS components at the top of Mt. Hoy to prevent topsoil damage this winter during the public's use of Mt. Hoy. Mr. Sheffler indicated that seeding grass would not be effective this late in the season, and that reseeding would still be required next season. Mr. Sheffler indicated that a temporary fence will be placed around the LCS components to prevent the public's access during this winter.
5. Mr. McDonough indicated that the impermeable composite bentonite material, Bentofix™, had been placed around the LCS piping between manhole MH-3 and DL02.
6. Mr. Buettner provided the FPD with an cost estimate for placing asphalt pavement around the compressor/control building and the electrical transformer. Mr. Hartwig approved the cost estimate and instructed Montgomery Watson to proceed with paving.
7. Walter Buettner stated that some construction debris had been excavated during installation of drigleg DL01 on the south side of the landfill. Mr. Hartwig requested that Montgomery Watson dispose of the construction debris at an offsite landfill. Mr. Buettner indicated that Montgomery Watson would containerize the construction debris in roll-off boxes, and undertake the necessary waste sampling and characterization prior to disposal.

**Action Items:**

1. John McDonough will continue discussing the LCS schedule with Envirocon.

Meeting Notes Prepared By:

  
for Brian Griesemer  
Montgomery Watson

  
Walter G. Buettner  
Montgomery Watson

cc: Michael E. Bellot, U.S. EPA  
Rick Lanham, IEPA  
Joseph Benedict, Forest Preserve District  
Manoj Mishra, Tetra Tech EM, Inc.  
Kurt Lindland, U.S. EPA Assistant Regional Counsel

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# MEETING NOTES



MONTGOMERY WATSON

NOV 18 1997

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**Date:** November 18, 1997

**Date of**

**Meeting:** November 12, 1997

**Time:** 9:00 a.m.

**Location:** Blackwell Landfill

**Reference:** 1252008.051801

**Attendees:** Jerry Hartwig, Forest Preserve District (FPD)  
Jim Sheffler, FPD  
Jerry Pionessa, Envirocon, Inc.  
Peter Vagt, MWA  
Walter Buettner, MWA  
John McDonough, MWCI  
Brian Griesemer, MWA

**Subject:** Construction Progress Meeting  
Blackwell Landfill NPL Site

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**Notes:**

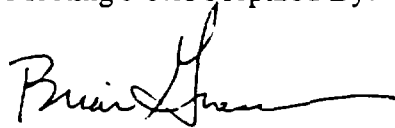
1. Walter Buettner asked the Attendees whether they had any issues regarding the distributed November 5, 1997 Construction Progress Meeting Notes. No issues were raised.
2. Jerry Pionessa indicated that the LFG vent stack and the vault for lift station LS01 would be installed by the end of the week. Mr. Pionessa also indicated that asphalt paving around the compressor/control building and transformer could be completed by the end of the week.
3. John McDonough indicated that the Interlock control panel, and Ameritech telephone and telemetry lines, would be installed in the compressor/control building by the end of the week. Mr. McDonough also indicated that final site restoration will be undertaken after installation of all LCS components.

4. Mr. Buettner indicated that Montgomery Watson will make arrangements with the U.S. EPA and IEPA for the Pre-Final Inspection. Mr. Buettner suggested that a tentative date of December 3, 1997.
5. Walter Buettner indicated that a composite sample of excavated construction debris from the drigleg DL01 excavation would be collected today for waste characterization. Mr. Buettner also indicated that Montgomery Watson would containerize the excavated construction debris in roll-off boxes in preparation for offsite disposal.

**Action Items:**

1. John McDonough will continue discussing the LCS schedule with Envirocon.

Meeting Notes Prepared By:



Brian Griesemer  
Montgomery Watson



Walter G. Buettner  
Montgomery Watson

cc: ~~Michael E. Bellot, U.S. EPA~~  
Rick Lanham, IEPA  
Joseph Benedict, Forest Preserve District  
Manoj Mishra, Tetra Tech EM, Inc.  
Kurt Lindland, U.S. EPA Assistant Regional Counsel

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# MEETING NOTES



MONTGOMERY WATSON

DEC 04 1997

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**Date:** November 25, 1997

**Date of**

**Meeting:** November 19, 1997

**Time:** 9:00 a.m.

**Location:** Blackwell Landfill

**Reference:** 1252008.051801

**Attendees:** Jerry Hartwig, Forest Preserve District (FPD)  
Jim Sheffler, FPD  
Jerry Pionessa, Envirocon, Inc.  
Walter Buettner, MWA  
John McDonough, MWCI  
Brian Gieseemer, MWA

**Subject:** Construction Progress Meeting  
Blackwell Landfill NPL Site

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**Notes:**

1. Walter Buettner asked the Attendees whether they had any issues regarding the disseminated November 12, 1997 Construction Progress Meeting Notes. No issues were raised.
2. Jerry Pionessa indicated that the LFG vent stack is operational and the vault for lift station LS01 has been installed. Mr. Pionessa also indicated that asphalt paving around the compressor/control building and transformer has been completed.
3. John McDonough stated that Ameritech has installed the telephone and telemetry lines in the compressor/control building. Mr. McDonough also indicated that, by the end of the week, FPD telephone numbers would be programmed into the compressor/control building telemetry system.





4. Mr. Buettner indicated that Montgomery Watson has made arrangements with the U.S. EPA to hold the Pre-Final Inspection on December 3, 1997.
5. Walter Buettner indicated that a composite sample of excavated construction debris from the dripleg DL01 excavation has been collected for waste characterization. Mr. Buettner also indicated that upon receiving the analytical results, the excavated construction debris will be properly disposed of.
6. Mr. Buettner indicated that because of high moisture contents, the compacted clay around drip leg DL01 could not meet density requirements. Mr. Buettner indicated that he had spoken with the U.S. EPA on this matter, and that Montgomery Watson will accept the clay, as compacted. However, Montgomery Watson will also make arrangements with Testing Service Corporation to conduct a permeability test on the compacted soil to confirm the acceptability of the material. If the low density clay does not have acceptable permeability, the clay cover around the drip leg would be repaired next year.

**Action Items:**

None

Meeting Notes Prepared By:

*for*   
Brian Griesemer  
Montgomery Watson

  
Walter G. Buettner  
Montgomery Watson

cc: Michael E. Bellot, U.S. EPA  
Rick Lanham, IEPA  
Joseph Benedict, Forest Preserve District  
Manoj Mishra, Tetra Tech EM, Inc.  
Kurt Lindland, U.S. EPA Assistant Regional Counsel

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# MEETING NOTES



**MONTGOMERY WATSON**

DEC 09 1997

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**Date:** December 2, 1997

**Date of**

**Meeting:** November 26, 1997

**Time:** 9:00 a.m.

**Location:** Blackwell Landfill

**Reference:** 1252008.051801

**Attendees:** Jerry Hartwig, Forest Preserve District (FPD)

Jim Sheffler, FPD

Jerry Pionessa, Envirocon, Inc.

Walter Buettner, MWA

John McDonough, MWCI

Brian Griesemer, MWA

**Subject:** Construction Progress Meeting  
Blackwell Landfill NPL Site

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**Notes:**

1. Walter Buettner asked the Attendees whether they had any issues regarding the distributed November 19, 1997 Construction Progress Meeting Notes. No issues were raised.
2. Jerry Pionessa indicated that the security fencing surrounding the LFG vent stack has been erected, and that security fencing surrounding the compressor/control building will be erected by the end of next week. Mr. Pionessa also indicated that final grading on the top of Mt. Hoy and the southern part of the landfill have been completed, and that final grading at extraction well EW03 will be completed by the end of next week.
3. Mr. Pionessa indicated that by the end of next week a manual bleedoff valve will be installed on the air pressure line, and leachate sample ports will be installed on each wellhead.

4. John McDonough indicated that FPD telephone numbers have been programmed into the compressor/control building telemetry system.
5. Mr. Buettner indicated that Montgomery Watson was re-evaluating the design freeboard in the leachate holding tank. Necessary modifications, if any, would be determined following additional integrity testing of the leachate pumping system.
6. Walter Buettner indicated that analysis of the composite sample of excavated construction debris from the dripleg DL01 excavation has indicated that the material is not characteristically hazardous. Mr. Buettner also indicated that Montgomery Watson is making arrangements to properly dispose of the excavated construction debris.

**Action Items:**

1. Mr. McDonough will make arrangements to insulate each aboveground surface leachate extraction line for each extraction well vault.

Meeting Notes Prepared By:



Brian Griesemer  
Montgomery Watson



Walter G. Buettner  
Montgomery Watson

cc: **Michael E. Bellot, U.S. EPA**  
Rick Lanham, IEPA  
Joseph Benedict, Forest Preserve District  
Manoj Mishra, Tetra Tech EM, Inc.  
Kurt Lindland, U.S. EPA Assistant Regional Counsel

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# MEETING NOTES



MONTGOMERY WATSON

31V 1 2 1999

**Date:** December 22, 1997

**Date of**

**Meeting:** December 3, 1997

**Time:** 9:00 a.m.

**Location:** Blackwell Landfill

**Reference:** 1252008.051801

**Attendees:** Joe Benedict, Forest Preserve District (FPD)

Jerry Hartwig, FPD

Jim Sheffler, FPD

Michael Bellot, U.S. EPA

Larry Schmitt, U.S. EPA

Kostas Dovantis, Tetra Tech

Kevin Schnoes, Tetra Tech

Jerry Pionessa, Envirocon, Inc.

Pete Vagt, MWA

Walter Buettner, MWA

Dean Free, MWA

John McDonough, MWCI

Brian Griesemer, MWA

**Subject:** Construction Progress Meeting

Blackwell Landfill NPL Site

**Notes:**

1. Walter Buettner asked the Attendees whether they had any issues regarding the distributed November 26, 1997 Construction Progress Meeting Notes. No issues were raised.
2. Jerry Pionessa indicated that grading and placement of gravel around lift station LS01, and final grading surrounding extraction well EW03 will be completed by the end of next week. Mr. Pionessa also indicated that security fencing

surrounding the compressor/control building will be erected, and final survey of all as-builts will be completed by the end of next week.

3. Mr. Pionessa indicated that a manual bleedoff valve on the air pressure line, and leachate sample ports on each wellhead have been installed. Mr. Pionessa also indicated that final grading on the top of Mt. Hoy and the southern part of the landfill has been completed.
4. Mr. Buettner indicated that Montgomery Watson has completed an evaluation of the design freeboard in the leachate holding tank, and has determined that no modifications will be necessary.
5. John McDonough indicated that the excavated construction debris from the dripleg DL01 excavation will be disposed of by the end of the week.
6. Mr. McDonough indicated that Montgomery Watson is in the process of evaluating insulation options for the extraction well vaults.

*Note: This is the final Construction Progress Meeting for 1997.*

**Action Items:**

None

Meeting Notes Prepared By:



Brian Griesemer  
Montgomery Watson



Walter G. Buettner  
Montgomery Watson

cc: Rick Lanham, IEPA  
Kurt Lindland, U.S. EPA Assistant Regional Counsel

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