



MONTGOMERY WATSON

January 6, 2000

Mr. John Fagiolo
Remedial Project Manager
U.S. Environmental Protection Agency
Region V
77 West Jackson Boulevard
Chicago, Illinois 60604

Mr. Hank Kuehling
Hydrogeologist
Wisconsin Dept. of Natural Resources
South Central Region
3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711

Re: Response to Draft Remedial Design Statement of Work (SOW)
Refuse Hideaway Landfill Site, Middleton, Wisconsin

Dear Mssrs. Fagiolo and Kuehling:

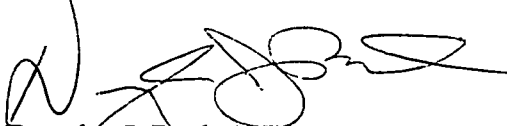
Enclosed for your review is a modified version of the Draft Statement of Work (SOW) for Remedial Design (RD) at the Refuse Hideaway Landfill site. This modified RD SOW is being submitted consistent with Section IX of the Administrative Order on Consent, which requires the parties to modify the RD SOW to reflect the changes effected by the Explanation of Significant Difference (ESD).

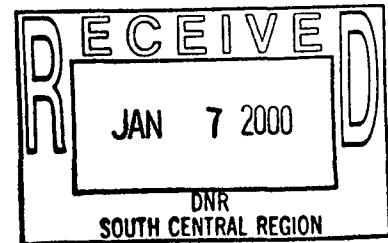
The modifications being proposed by the Potentially Responsible Parties (PRPs) have been highlighted for your convenience and are consistent with our discussions during the November 8, 1999 meeting at Montgomery Watson's offices. Also enclosed is a brief discussion of the rationale behind the suggested modifications to the Draft SOW.

Please call if you have questions during your review of these documents.

Sincerely,

MONTGOMERY WATSON


Douglas J. Bach, P.E.
Project Manager



Enclosures: Modified Draft Statement of Work
Rationale for Modifications

cc: Members of the RHL Technical and Steering Committees

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Rationale for Modifications
Draft Revised Statement of Work for Remedial Design
Refuse Hideaway Landfill

Section I. Purpose

First Paragraph – “approved Remedial Design Work Plan” is deleted as no RD Work Plan has been prepared nor is it included in the draft revised SOW.

Second Paragraph – This paragraph was added to call out the new purpose of remedial design in light of the ESD and the new understanding of the importance of source control measures for groundwater remediation.

Section II. Description of the Remedial Action/Performance Standards

Section II.B. Predesign and Additional Studies and Remedial Design Reports – Wording added regarding investigations of contaminated media “as necessary to support the Remedial Design effort.” This wording reinforces the purpose for any sampling performed by the respondents during this phase.

Section II.C. Design of Groundwater Monitoring Program for Remedial Action, First Paragraph - Wording was changed to recognize that the Remedial Investigation adequately defined the horizontal and vertical extent of contamination. The groundwater monitoring program is to verify that definition and track changes through time – not to provide a new definition of extent.

Third Paragraph – Wording to the effect of “to support Remedial Design” added at several locations to reinforce the purpose of any investigative activities performed by the respondents during this phase.

Fourth Paragraph – Wording relative to additional monitoring requirements was changed from “may be required” to “the Remedial Design may contemplate additional groundwater monitoring wells and/or parameters.” This change is consistent with the limited authority of the respondents to the design phase.

Fifth Paragraph – Reference to the Quality Assurance Project Plan (QAPP) and Field Sampling and Analysis Plan (FSAP) have been deleted in recognition of the fact that these plans are contractor and laboratory specific. It would be inappropriate for the Remedial Design contractor to prepare a QAPP and FSP for another contractor to carry out.

Seventh Paragraph – This paragraph was deleted because it specifies that the respondents are to apply data from the groundwater monitoring program at some future date. At present, the respondents are only obligated for the Remedial Design phase and cannot commit to these future tasks.

Section II.D. Second Paragraph – Wording changed from “Further investigation...may be performed as an O&M responsibility” to “Further investigation...is an O&M responsibility”. This wording change is consistent with the limited authority of the respondents to the Design Phase.

Section II.E. Design of Additional Point of Entry (POE) Water Treatment Systems, First Paragraph – Wording was added to reinforce the understanding that additional POE systems are a contingency based on future monitoring results. Wording was also added to reinforce that a specification for such a system may be all that is needed as part of design.

Section III. Scope of Remedial Design

Task 1: Remedial Design Report – “Investigations” was replaced with “Evaluation” to better represent the anticipated reliance on existing data in the performance of this task. An additional sub-task was added to reinforce the role of this report in light of the new role of source control measures after the ESD.

Task 2: Groundwater Monitoring Report – References to the QAPP, FSP, and Health and Safety Plan (HASP) have been deleted, because these supporting documents should be prepared by the O&M or remedial action contractors.

III.A. Task 1: Remedial Design Report, Paragraph 1 – The words “to support the Remedial Design effort” were added to clarify the purpose of any additional investigative activities during this phase.

Paragraphs 1 and 3 – Wording was added at these locations to clarify the purpose of the remedial design report as a venue for evaluating the role of existing source control measures in groundwater remediation.

Paragraph 4 – Language referring to specific site corrections has been deleted based on conversations with the WDNR and their contractor. The WDNR has already instructed their contractor to correct these problems under the existing O&M contract.

Paragraph 5 – Language related to specific measures for leachate collection changes has been deleted because the need for such changes should be evaluated in the Remedial Design Report. Similarly, wording has been added to assess the need for additional leachate and gas collection at the base of the slope, rather than to require its design.

III.B. Task 2: Design of Groundwater Monitoring Program, Paragraph 2 – Wording was changed to better reflect the role of groundwater monitoring for tracking changes through time and not to provide new Remedial Investigation data.

III.B.1. Performance Standard Verification Plan – Reference to the QAPP, FSP, and HASP have been deleted for reasons previously stated. The sentence requiring implementation of the Standards Verification Plan has been deleted to be consistent with the limited authority of the respondents.

III.C. Task 3: Design of Operation and Maintenance (O&M) Requirements for Source Control Systems Existing at the Site, Paragraph 1 – Wording was added in recognition that revisions to the existing O&M plan are likely all that is necessary.

III.D. Task 4: Design of Additional Point of Entry (POE) Water Treatment Systems – Wording was added to reinforce the fact that POE systems are a contingency based on future groundwater monitoring results.

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**REVISED STATEMENT OF WORK FOR THE REMEDIAL DESIGN AS MODIFIED BY THE U.S. EPA
EXPLANATION OF SIGNIFICANT DIFFERENCE ISSUED ON 9/30/98 FOR THE REFUSE
HIDEAWAY LANDFILL SITE; DANE COUNTY, MIDDLETON, WISCONSIN**

I. PURPOSE

The purpose of this Statement of Work (SOW) is to set forth requirements for preparation of the remedial design to be implemented as the remedial action as set forth in the Record of Decision (ROD), which was signed by the Secretary of the Wisconsin Department of Natural Resources (WDNR) on May 30, 1995 and by the designee of the Regional Administrator of U.S. EPA Region V on June 28, 1995. The ROD was modified by the U.S. EPA Explanation of Significant Difference (ESD) that was signed by the designee of the Regional Administrator of U.S. EPA Region V on September 30, 1998 (the "ROD, as modified") for the Refuse Hideaway Landfill Site (the "Site"). The Respondent shall follow the ROD, as modified, the SOW, the Refuse Hideaway Administrative Order on Consent (AOC), the amendment to the Refuse Hideaway Administrative Order on Consent (the "AOC Amendment"), ~~the approved Remedial Design Work Plan~~, U.S. EPA Superfund Remedial Design and Remedial Action Guidance and any additional guidance provided by U.S. EPA in submitting deliverables for designing remedial action at the Refuse Hideaway Landfill Site.

The September 30, 1998 ESD modified the ROD by removing active groundwater extraction and treatment from the remedy. The ESD was based on the recognition that previously installed source control measures had contributed to a reduction in volatile organic compounds in groundwater in the vicinity of the site. With this recognition of the importance of source control measures to the overall site remedy, the focus of remedial design has changed. The purpose of remedial design is now to reexamine existing facilities, operations, maintenance, and monitoring to identify possible changes that may be warranted in light of the modified ROD.

Section II of this document contains a description of the requirements for the Remedial Design and for performance of the Remedial Action. Section III contains a description of the scope of the Remedial Design. Section IV contains a schedule for submittal of Remedial Design documents.

II. DESCRIPTION OF THE REMEDIAL ACTION/PERFORMANCE STANDARDS

Respondents shall design the Remedial Action to meet the performance standards and specifications set forth in the ROD, as modified, and this SOW. Performance standards shall include cleanup standards, standards of control, quality criteria and other substantive requirements, criteria or limitations including all Applicable or Relevant and Appropriate Requirements (ARARS) set forth in the ROD, as modified, SOW and/or AOC. The Remedial Design shall use as a design basis all applicable groundwater quality standards and shall have as its goal the restoration of groundwater to groundwater quality standards as listed in the WDNR NR 140 Preventive Action Levels (PALs).

II.A. Site Security

Site topography limits access to the Site and diminishes the implementability and need of fencing along the perimeter of the whole site. In order to restrict access during remedial activities, the existing fence and gate shall be maintained. For the purposes of long-term, post-construction site security, the Respondents shall design the Remedial Action to include, where necessary to prevent access and as required and approved by the U.S. EPA and WDNR, a six-foot high chain link fence. Warning signs shall be posted along roads leading to the Site. The signs shall make clear to potential trespassers that there may be a health threat associated with entering the Site, and shall provide a telephone number to call for further information. The Respondents shall verify that existing Site security conforms with this SOW during the Remedial Design phase and during implementation of the Remedial Action.

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II.B. Pre-Design and Additional Studies and Remedial Design Reports

The Respondents have submitted a "Pre-Design and Additional Studies Report" in July 1998 that served as the basis for the ESD. A Remedial Design Report shall be developed according to the schedule in Section IV of this SOW, and as described in Section III.A of this SOW. The Respondents shall provide an assessment of source control systems existing at the site as an update of the operational status and remedial effectiveness of those systems. Specific source control systems existing at the Site include the landfill cap, the leachate collection and extraction for treatment system, and the landfill gas collection, extraction, and destruction (flare) system. ~~As determined necessary,~~ ~~appropriate~~ **necessary to support the Remedial Design effort.** The Remedial Design shall include investigations of specific contaminated site media as appropriate necessary to support the Remedial Design effort. The results of any studies, sampling, and analysis performed for the Remedial Design shall be submitted to U.S. EPA and WDNR in the Remedial-Design in accordance with the schedule provided in Section IV of this SOW.

II.C. Design of Groundwater Monitoring Program for Remedial Action

The Respondents shall develop a groundwater monitoring program as part of the Remedial Design to evaluate and ensure that the Remedial Action complies with approved design documents and performance standards for specific areas of the remedy as described in this Section of this SOW. The groundwater monitoring program shall have sufficient detail to insure its effective implementation during the Remedial Action. The groundwater monitoring program shall be designed to: detect any conditions that may indicate the potential ineffectiveness or other diminished operation or function of source control systems existing at the Site, or conditions that may indicate any other potential threat to human health and the environment; ~~define~~ **verify the previous definition of** horizontal and vertical degree and extent of groundwater contamination from the site; evaluate the extent of attenuation of on-Site and off-Site groundwater contaminants to demonstrate achievement of remedy goals as required in the ROD, as modified; and consider long-term requirements for groundwater monitoring at the Site.

The groundwater monitoring program shall be designed to detect changes in the chemical concentration of the groundwater at and adjacent to the Site, including any changes associated with varying locations and depths. The design shall include a sufficient number of sampling points at appropriate depths that shall be monitored at an adequate frequency with adequate analytical parameters to accomplish the goals of the monitoring program. Within the groundwater monitoring program, Respondents shall also include a discussion of the necessity of additional field analyses. This field analysis may include, but is not limited to, the following: groundwater elevation, pH, temperature, turbidity, specific conductivity, redox potential, dissolved oxygen, and chloride.

After determining the integrity of existing monitoring wells as appropriate, the Respondents may utilize these existing wells for any additional investigative Remedial Design work, and, if necessary **to support the Remedial Design effort**, shall install additional monitoring wells, subject to review and approval by U.S. EPA with WDNR concurrence. Quantities, locations, and construction details of any new wells shall be provided in the Remedial Design, and, if deemed necessary **to support the Remedial Design effort** by the Respondents or U.S. EPA and WDNR, new monitoring wells shall be installed during the Remedial Design, subject to U.S. EPA review and approval with WDNR concurrence. If any monitoring well is destroyed or in any way becomes unusable, the Respondents shall repair or replace that well. Sampling of additional wells or installation of new monitoring wells may be required during the Remedial Design or during implementation of the Remedial Action and O&M activity **if necessary to support the Remedial Design effort.**

The groundwater monitoring program also shall be designed to detect groundwater flow rates and flow patterns (including seasonal fluctuations) and shall ensure that performance standards required by the ROD as modified continue to be attained, and cleanup standards are permanently achieved. As part of the groundwater monitoring program, Respondents may collect and analyze groundwater samples for a list of contaminants to be identified during the Remedial Design, to be potentially reduced after initiation and operation of the Remedial Action, as approved by U.S. EPA with WDNR concurrence. If so directed by U.S. EPA in consultation with WDNR during

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the Remedial Design or after review of groundwater monitoring information, ~~additional groundwater monitoring wells and/or parameters may be required~~ the Remedial Design may contemplate additional groundwater monitoring wells and/or parameters.

In order to ensure that both short-term and long-term performance standards and remediation goals for the remedy are met, the Respondents shall develop a Performance Standard Verification Plan within the groundwater monitoring program, based upon the ROD as modified, the AOC, and guidance provided by U.S. EPA. ~~The Performance Standard Verification Plan shall include U.S. EPA approved versions of a Quality Assurance Project Plan, a Health and Safety Plan, and a Field Sampling and Analysis Plan in accordance with Section III.B of this SOW. The Respondents may use all or part of the existing Site data or documents already developed in the development of the Performance Standard Verification Plan.~~

The groundwater monitoring program and data shall serve as the basis for any long-term groundwater monitoring at the site. ~~After a period of time deemed appropriate by U.S. EPA with WDNR concurrence, the groundwater monitoring program may be modified to reflect changing site conditions and resultant long term monitoring requirements for the remaining expected operational life of the remedy.~~ The groundwater monitoring program shall be designed such that it may be modified and continued for a period of time adequate to maintain protection or until groundwater cleanup goals are successfully achieved, subject to U.S. EPA's Five-Year Review process and as required by the ROD as modified. The groundwater monitoring program submitted as part of the Remedial Design may include a brief description of protocol and procedures that define circumstances for specific modifications that may be considered for the groundwater monitoring program during the Remedial Action. This protocol may be based on historical site data and anticipated reductions in contaminants, sampling points, sampling depths, sampling frequency, and number of analytes. ~~Modification of groundwater monitoring programs, including any reduction of wells, sampling points, depths, and/or contaminants to be analyzed shall be subject to review and approval by U.S. EPA with WDNR concurrence.~~

Data collected during or as part of the groundwater monitoring program shall be used to develop general estimates of contaminant fate and transport trends, groundwater flow patterns, and estimates of anticipated time periods required for various remedy phases, including long term O&M and time needed for the remedy to permanently achieve cleanup standards as outlined in the ROD, as modified. ~~If groundwater monitoring data demonstrates a discharge of contaminated groundwater to Black Earth Creek, sediment and surface water monitoring may be required for as long as necessary to ensure that performance standards required by the ROD, as modified continue to be attained, or cleanup standards are otherwise permanently achieved. In order to develop such general estimates, the Respondents shall use this data in addition to site historical data, other site information such as previous groundwater modeling studies, U.S. EPA Superfund Remedial Design and Remedial Action Guidance, and any additional guidance provided by U.S. EPA with WDNR consultation. The degree, frequency, procedures, and scope of the groundwater monitoring program, including location and construction details of any new wells and specific contaminants to be analyzed for, shall be developed during the Remedial Design and shall be subject to U.S. EPA review and approval with WDNR concurrence.~~

II.D Design of Operation and Maintenance Requirements for Source Control Systems Existing at the Site

With the remedy modification provided by the ESD, the Remedial Action now requires only monitoring, operation, maintenance, repair, and potential modification and/or upgrade of source control systems existing at the Site. In order to insure the continued effectiveness and operation and function of these source control systems, the Respondents shall develop an Operation and Maintenance (O&M) Plan during the Remedial Design as required by this Section and Section III.C of this SOW. At a minimum, the O&M Plan shall include, but is not limited to, descriptions of operation and maintenance protocol and procedures for source control systems existing at the Site and a general discussion of deed restrictions to be implemented. Specific source control systems existing at the Site include the landfill cap, the leachate collection and extraction for treatment system, and the landfill gas collection, extraction, and destruction (flare) system.

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The protocol and procedures described in the O&M Plan shall cover routine remedial process control and operation, routine sampling and analysis of remedial processes as required to insure that the remedy continues to comply with all ARARS, and regular preventive maintenance such as, but not limited to, frequent cleaning, check-up, repair, and replacement of source control systems as needed. The Respondents shall also make provision within the O&M Plan to investigate the status of source control systems existing at the Site to determine whether any repair, modification, addition, or other upgrade is necessary. ~~Such~~ further investigation may include, but is not limited to, sampling and analysis of air, landfill gas, groundwater, leachate, surface water, sediments, or soil as necessary. Implementation of any modification, addition, or other upgrade to source control systems existing at the site ~~may be performed as~~ is an O&M responsibility during the Remedial Action. In the event any modification, addition, or other upgrade is determined during the Remedial Design to be immediately necessary, design and construction drawings and specifications of such modification, addition, or other upgrades shall be developed and submitted by the Respondents, subject to U.S. EPA review and approval with WDNR concurrence.

II.E Design of Additional Point of Entry (POE) Water Treatment Systems

As required by the modified remedy, additional point of entry water treatment systems are required as a contingency in the event it is demonstrated that source control systems existing at the site fail to provide protection of human health and the environment. U.S. EPA anticipates that these systems may consist of activated carbon filtration systems or alternative technology as appropriate and approved by U.S. EPA with WDNR concurrence. The Respondents shall provide procedures as part of the Remedial Design describing the action to be implemented in the event that the need for such POE water treatment is demonstrated, including **specification or** design of such systems and a demonstration that any POE water treatment system will provide an adequate level of protectiveness. The monitoring of POE water treatment systems shall be incorporated into the groundwater monitoring program. O&M of point of entry water treatment systems shall be incorporated into O&M submittals as described in Sections II.D and III.C of this SOW.

III. SCOPE OF REMEDIAL DESIGN

The Remedial Design shall consist of four tasks. The Respondents shall begin Remedial Design work within 30 days of the effective date of the AOC amendment in accordance with the schedule provided in Section IV of this SOW. All Remedial Design submittals are subject to U.S. EPA approval with WDNR consultation. This section of this SOW provides descriptions of the content of Remedial Design submittals required under the following tasks.

Task 1: Remedial Design Report

Results of ~~Investigations~~ **Evaluation** of Source Control Systems Existing at the Site
Identification of Operational Criteria for Groundwater Protection
Recommendations and Conclusions
Plans, Drawings, Design Specifications, or other Documents (if necessary)

Task 2: Groundwater Monitoring Program

Groundwater Monitoring Program
Performance Standard Verification Plan
~~Quality Assurance Project Plan (Updated or Amended)~~
~~Field Sampling Plan (Updated or Amended)~~
~~Health and Safety Plan (Updated or Amended)~~
Discussion of Long-Term Groundwater Monitoring

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Task 3: Design of O&M Requirements for Source Control Systems Existing at the Site

Task 4: Design of Additional Point of Entry (POE) Water Treatment Systems

III.A. Task 1: Remedial Design Report Amendment to the Pre-Design Studies Report

The Respondents shall provide an assessment of the source control systems existing at the site as an update of the current operational status and remedial effectiveness of those systems and as an evaluation of methods to optimize the effective operational life of each of the systems. **The assessment shall include the identification of operational criteria that are now relevant to the remedy with the recognition that source control measures play an important role in reducing groundwater VOC concentrations.** This Remedial Design Report shall be submitted in accordance with the schedule provided in Section IV of this SOW. If necessary to support the Remedial Design effort, additional studies and/or sampling and analysis of contaminated site media may be performed to provide information necessary to assess the effectiveness of source control systems existing at the site. The results of any studies, sampling, and analysis or other investigations of specific contaminated site media (as appropriate) shall be submitted to U.S. EPA and WDNR in the Remedial Design Report. Analytical results from monitoring at the site for Remedial Design work, including groundwater data collected as part of the "Pre-design and Additional Studies Report" shall be submitted electronically to the U.S. EPA and WDNR in an approved format and in accordance with Section III.C.10 of this SOW.

Specific source control systems existing at the Site include: the landfill cap; the leachate collection-for-treatment system; and the landfill gas extraction and destruction (flare) system. Also included are any and all ancillary components and equipment associated with these systems, including, but not limited to, piping, valving, control mechanisms, extraction wells, mechanical components, monitoring points and wells, and associated support structures and utilities.

As part of the Remedial Design, the Respondents shall evaluate the gas collection/destruction system and the leachate collection system and design system repairs and/or improvements that are necessary to optimize the long-term effectiveness of the systems for protection of groundwater; i.e., to maximize the length of time these source control mechanisms remain effective. The Respondents shall: inspect the source control systems; review site documentation, including operational documents and drawings; sample and analyze contaminated media, if necessary and/or collect other information necessary to complete Remedial Design requirements; **develop operational criteria that are now relevant in consideration of the new understanding of source control measures for groundwater protection;** provide conclusions and recommendations regarding repairs, modifications, additions, or other upgrades to the source control systems existing at the site; and provide drawings, plans, and specifications for such repairs, modifications, additions, or other upgrades at a level of detail adequate for construction as necessary. In undertaking these activities, the Respondents shall appropriately consult personnel who are under contract with the State of Wisconsin and currently operating and maintaining the source control systems on site.

At a minimum, the Remedial Design Report shall include an assessment of the effectiveness of the landfill gas extraction and destruction systems in removal of organic contaminants, including but not limited to: the adequacy of the number, location, construction, and current state of repair of landfill gas collection wells; the effectiveness of the existing blower and flare system; the effectiveness of associated piping, valving, and control systems; and the effectiveness of the overall operation and maintenance of the landfill gas extraction and destruction system. For this assessment, collection of any new data shall be performed if necessary, and new and existing data shall also be considered. ~~Respondents shall use these results to design gas collection system management alternatives and/or additions to address the current problem of insufficient quantities of methane gas available at the flare. The Remedial Design Report shall include the design and specifications to regrade the southern branch of the landfill gas header between GW 4 and CV 1 to alleviate liquid blocked low points in the header, in conjunction with the~~

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~~assessment of the leachate collection system. The Remedial Design Report shall also include a design for the installation of a timer device at the control panel capable of starting and stopping the landfill gas system at 4 hour intervals with the capability to vary this time interval set point as necessary. As a possible alternative, Respondents shall also consider design of an upgrade of the existing landfill gas systems that is based on a system gas pressure set point. An assessment shall also be performed to determine the need for additional landfill gas collection wells along the southern slope between gas wells GW 1 and GW 5.~~

The Remedial Design Report shall include an assessment of the effectiveness of the leachate collection system including: an evaluation of the adequacy of the number, locations, and construction of the current system of leachate collection wells; the effectiveness of associated piping, valving, and control systems; and the effectiveness of the overall operation and maintenance of the leachate collection system. ~~In addition, design for the installation of leachate pumps and an associated air line and leachate header shall be completed for wells GW 1, GW 2, and GW 6 where leachate depths are consistently greater than 4 feet.~~ The Remedial Design Report shall also include: a ~~design for separate horizontal collectors for leachate and landfill gas as appropriate to be installed~~ **an assessment of the need for additional leachate and gas collection** at the location of a leachate seep at the base of the southern slope of the landfill on site. ~~This~~ **If warranted, the Remedial Design Report will include the design for new wells, piping, valving, and associated systems in this location.** Any new collection piping shall be designed to be appropriately incorporated into the respective existing collection piping and treatment systems at the site, if possible.

The Remedial Design Report shall include an assessment of the effectiveness of protection provided by the existing landfill cap, including an evaluation of areas of erosion, areas of leachate seepage, and areas of poor or no drainage. This investigation shall include but is not limited to: a topographic survey of the existing cap; the production of a topographic map with elevation contours representing the current landfill cover; and identification of the areas to be filled and regraded to provide effective surface drainage of precipitation and snowmelt from the entire cap, together with estimates of the volumes of fill materials necessary to implement the design.

The Remedial Design Report shall include conclusions regarding the necessity and feasibility of repair, modification, addition, or other upgrades to source control systems existing at the site and shall provide any plans, drawings, design specifications, or other documents of adequate detail for construction as necessary.

III.B. Task 2: Design of Groundwater Monitoring Program

The Respondents shall begin Remedial Design work within 30 days of the effective date of the AOC amendment in accordance with the schedule provided in Section IV of this SOW. The Respondents shall submit to U.S. EPA and WDNR a draft groundwater monitoring program document for the Remedial Design and shall submit the final groundwater monitoring program document in accordance with the schedule in Section IV of this SOW. The final groundwater monitoring program document shall fully address all comments made to the preceding design submittal.

In concert with the groundwater monitoring program, the Remedial Design Report shall include the results of an investigation of the adequacy of the current monitoring well system. The investigation shall include the adequacy of the number, location, and construction of groundwater monitoring wells, and the effectiveness of the monitoring well system in characterization and location of the contaminant plume, both vertically and horizontally. The report shall contain a plan view and cross-sectional view of the horizontal and vertical extent of the site's contaminant plume, and also include the date of the groundwater monitoring event that the plan and cross-section are based on. Plume margins based on estimates rather than on nearby monitoring well data shall be noted. The report shall contain a proposal for additional groundwater monitoring wells for those areas where **improved definition of the plume margin is warranted-not defined.**

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The Groundwater Monitoring Program shall be designed to detect any conditions that may indicate the potential ineffectiveness or other diminished operation or function of source control systems existing at the Site, or conditions that may indicate any other potential threat to human health and the environment, and shall serve as the basis for any long term groundwater monitoring at the site. This program shall also be designed to **verify the previous definition of define** the vertical and horizontal degree and extent of contamination from the Site and to provide an on-going evaluation of attenuation of on-site and off-site groundwater contaminants to demonstrate achievement of remedy cleanup goals as established by the ROD, as modified. After a period of time deemed appropriate by U.S. EPA with WDNR consultation, the Groundwater Monitoring Program may be modified to reflect changing site conditions and resultant long term monitoring requirements for the remaining expected operational life of the remedy. The Respondents may submit during the Remedial Design a discussion defining protocol, procedure, site circumstances, and/or remedial process events that will allow this eventual modification of the Groundwater Monitoring Program during the Remedial Action.

III.B.1 Performance Standard Verification Plan

As part of the Groundwater Monitoring Program, the purpose of the Performance Standard Verification Plan is to provide a mechanism to ensure that both short-term and long-term performance standards for the remedial action required by the ROD as modified are met. This includes confirmatory sampling and O&M sampling events. The approach and rationale for confirmatory sampling and schedules for all sampling events shall be included. The Performance Standard Verification Plan shall include proposed cleanup verification methods, including compliance with ARARS, monitoring of contaminants, and measurement of effectiveness of source control of site contaminants.

The Draft Performance Standard Verification Plan shall be submitted within the Draft Groundwater Monitoring Program submittal and shall be finalized and approved when all comments and concerns provided by U.S. EPA (with WDNR consultation) on the draft submittals have been fully and adequately addressed. ~~Once approved, the Performance Standards Verification Plan shall be implemented on the approved schedule. The Performance Standards Verification Plan shall include a Quality Assurance Project Plan and Field Sampling Plan. In the event that identical or similar documents to those listed in this section (the Quality Assurance Project Plan and the Field Sampling Plan) have already been submitted, the Respondents may upgrade or amend these existing documents to reflect the remedy modification provided by the ESD. The following sections of this SOW describe the required contents of each of these supporting plans.~~

III.B.1.a Quality Assurance Project Plan

~~The Respondents shall develop (or upgrade or amend) a Site specific Quality Assurance Project Plan (QAPP), covering sample analysis and data handling for samples collected in all phases of future Site work, based upon the AOC and guidance provided by EPA. The QAPP shall be consistent with the requirements of the EPA Contract Lab Program (CLP) for laboratories proposed outside the CLP. The QAPP shall at a minimum include:~~

~~Project Description~~

- ~~_____ Site Location History~~
- ~~_____ Past Data Collection Activity~~
- ~~_____ Project Scope~~
- ~~_____ Sample Network Design~~
- ~~_____ Parameters to be Tested and Frequency~~
- ~~_____ Project Schedule~~

~~Project Organization and Responsibility~~

~~Quality Assurance Objective for Measurement Data~~

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- ~~Level of Quality Control Effort~~
- ~~Accuracy, Precision and Sensitivity of Analysis~~
- ~~Completeness, Representativeness and Comparability~~

~~Sample Procedures~~

~~Sample Custody~~

- ~~Field Specific Custody Procedures~~
- ~~Laboratory Chain of Custody Procedures~~

~~Calibration Procedures and Frequency~~

- ~~Field Instruments/Equipment~~
- ~~Laboratory Instruments~~

~~Analytical Procedures~~

- ~~Non-Contract Laboratory Program Analytical Methods~~
- ~~Field Screening and Analytical Protocol~~
- ~~Laboratory Procedures~~

~~Internal Quality Control Checks~~

- ~~Field Measurements~~
- ~~Laboratory Analysis~~

~~Data Reduction, Validation, and Reporting~~

- ~~Data Reduction~~
- ~~Data Validation~~
- ~~Data Reporting~~

~~Performance and System Audits~~

- ~~Internal Audits of Field Activity~~
- ~~Internal Laboratory Audit~~
- ~~External Field Audit~~
- ~~External Laboratory Audit~~

~~Preventive Maintenance~~

- ~~Routine Preventive Maintenance Procedures and Schedules~~
- ~~Field Instruments/Equipment~~
- ~~Laboratory Instruments~~

~~Specific Routine Procedures to Assess Data Precision, Accuracy, and Completeness~~

- ~~Field Measurement Data~~
- ~~Laboratory Data~~

~~Corrective Action~~

- ~~Sample Collection/Field Measurement~~
- ~~Laboratory Analysis~~

~~Quality Assurance Reports to Management~~

~~If determined necessary, the Respondents shall attend a pre-QAPP meeting with U.S. EPA. The Respondents shall submit a draft updated or amended QAPP to U.S. EPA for review and approval with WDNR consultation.~~

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III.B.1.b. Field Sampling Plan

The Respondents shall update or amend any existing Field Sampling Plans (as described in Guidance for Conducting Remedial Investigations and Feasibility Studies Under CERCLA," October 1988). The updated or amended Field Sampling Plan should supplement the QAPP and address all sample collection activities. An updated or amended Field Sampling Plan shall be developed for all phases of the remedy, including the Remedial Design, Remedial Action, and O&M activity in conjunction with the Performance Standards Verification Plan.

III.B.2. Health and Safety Plan

In the event that an identical or similar document to the Health and Safety Plan (HSP) has already been submitted, the Respondents may upgrade or amend this existing document to reflect the remedy modification provided by the ESD. The following section of this SOW describes the required contents of the HSP. The HSP shall be designed to protect on-site personnel and area residents from physical, chemical and all other hazards posed by this remedial action, and shall be modified and re-submitted during all phases of the site remedy to reflect changing site conditions and any new aspects of site work. The HSP shall develop the performance levels and criteria necessary to address the following areas:

Site Description
Personnel
Levels of protection
Safe work practices and safe guards
Medical surveillance
Personal and environmental air monitoring
Personal protective equipment
Personal hygiene
Decontamination - personnel and equipment
Site work zones
Contaminant control
Contingency and emergency planning
Logs, reports and record keeping

The HSP shall follow EPA guidance and all OSHA requirements as outlined in 29 CFR 1910 and 1926.

In conjunction with the O&M Plan required by Sections II.D and III.C of this SOW, the HSP shall include a Contingency Plan describing procedures to be used in the event of an accident or emergency at the Site. The Contingency Plan shall include, at a minimum, the following:

1. Name of the person or entity responsible for responding in the event of an emergency incident.
2. Plan and date(s) for meeting(s) with the local community, including local, State and Federal agencies involved in the cleanup, as well as local emergency squads and hospitals.
3. First aid medical information.
4. An Air Monitoring Plan (if applicable).
5. Spill Prevention, Control, and Countermeasure (SPCC) Plan (if applicable), as specified in 40 CFR Part 109 describing measures to prevent and contingency plans for potential spills and discharges from materials handling and transportation.

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**III.C. Task 3: Design of Operation and Maintenance (O&M) Requirements for Source Control Systems
Existing at the Site**

The Respondents shall prepare an **updated** Operation and Maintenance (O&M) Plan to cover both implementation and long-term maintenance of the remedial action. **The updated O&M Plan may incorporate the existing O&M Plan, with revisions and additions as appropriate to address changes to site facilities and the new understanding of the role of source control to the groundwater remedy.** The O&M Plan shall describe any modifications to O&M for the existing source control system components, as well as other components listed in this SOW. The Respondents shall begin Remedial Design work within 30 days of the effective date of the AOC amendment in accordance with the schedule provided in Section IV of this SOW. Respondents shall submit to U.S. EPA and WDNR a Draft O&M Plan document, in cooperation with the current WDNR contractor for O&M at the Site, and shall submit the Final O&M Plan document in accordance with the schedule in Section IV of this SOW. The Final O&M Plan document shall fully address all comments made to the preceding design submittal. Subject to approval by U.S. EPA with WDNR concurrence, Respondents may submit more than one set of submittals reflecting different components of the Remedial Action. All submittals shall be developed in accordance with U.S. EPA's Superfund Remedial Design and Remedial Action Guidance (OSWER Directive No. 9355.0-4A) and shall demonstrate that the Remedial Action shall meet all objectives of the ROD, as modified, the AOC as amended, and this SOW, including all Performance Standards. Respondents shall meet regularly with U.S. EPA and WDNR to discuss design issues, **as appropriate**. This section describes the required contents of the O&M Plan, which shall be composed of the following elements:

1. Description of normal operation and maintenance of source control systems, including O&M of landfill gas collection, extraction, and destruction blower and flare system, leachate collection and extraction for treatment system, landfill cap system, and any other O&M required for appropriate remedy operation in compliance with all applicable Federal, State, and Local statutes and regulations and applicable health and safety and good engineering practices;
 - a. Description of tasks for operation;
 - b. Description of tasks for maintenance, including regular and preventive maintenance, such as, but not limited to, regular and frequent cleaning, check-up, repair and replacement procedures, and routine site inspections;
 - c. Description of prescribed treatment or operation conditions;
 - d. Schedule showing frequency of each O&M task; and
 - e. Description of procurement procedures and/or documentation including, but not limited to, procurement of electrical, natural gas, telecommunications or other utility resources, and supply and/or repair resources required by the source control systems existing at the site and/or other remedial processes.

2. Description of potential operating problems;
 - a. Description and analysis of potential operation problems, including investigation of the status and O&M of source control systems existing at the Site to determine whether any repair, modification, addition, or other upgrade is necessary;
 - b. Sources of information regarding problems; and
 - c. Common and/or anticipated remedies.

3. Description of routine monitoring and laboratory testing;
 - a. Description of monitoring tasks; including any sampling and analysis required for appropriate leachate disposal, and/or required to insure proper operation of the landfill gas collection, extraction, and destruction system in compliance with all ARARS.
 - b. Description of required data collection including any sampling and analysis of groundwater, air, surface water, sediments, and/or soil as needed to implement any repair, modification, addition, or other upgrade to source control systems existing at the site;
 - c. Required quality assurance, and quality control;

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- d. Schedule of monitoring frequency and procedures for potential petition to U.S. EPA to reduce the frequency of monitoring; and
 - e. Description of verification sampling procedures if cleanup or Performance Standards are exceeded in routine monitoring.
4. Description of alternate O&M;
 - a. Should systems fail, alternate procedures to prevent release or threatened releases of hazardous substances, pollutants or contaminants which may endanger public health and the environment or exceed performance standards; and
 - b. Analysis of vulnerability and additional resource requirement should a failure occur.
 5. Corrective Action
 - a. Description of corrective action to be implemented in the event that cleanup or performance standards are exceeded; and
 - b. Schedule for implementing these corrective actions.
 6. Safety plan, or appropriate cross-reference to HSP;
 - a. Description of precautions, or necessary equipment, etc., for Site personnel; and
 - b. Safety tasks required in event of systems failure.
 7. Description of equipment; and
 - a. Equipment identification;
 - b. Installation of monitoring components including any new wells;
 - c. Maintenance of Site equipment; and
 - d. Replacement schedule for equipment and installed components, including, but not limited to, monitoring wells, landfill gas collection, extraction, and destruction blower and flare system, leachate collection and extraction for treatment system, landfill cap system, and any other component required for appropriate remedy operation in compliance with all applicable ARARS and applicable health and safety and good engineering practices.
 8. Capital and O&M Cost Estimate which refines cost estimates developed to date for the remedy to reflect detail presented in Remedial Design submittals;
 9. Project Schedule for implementation of the Remedial Action, which identifies timing for initiation and completion of all Remedial Action tasks in the form of specific or estimated dates for completion of the Remedial Action and major milestones.
 10. Records and reporting mechanisms required.
 - a. Daily operating logs or other equivalent documentation, including, but not limited to, maintenance and/or system and process control procedures and documentation, regular and preventive maintenance records;
 - b. Laboratory records and reporting documents for sampling and analysis as required by monitoring programs outlined by this SOW including appropriate electronic data submittals;
 - c. Records for operating costs including procurement, budgeting, contract, and personnel costs;
 - d. Mechanism for reporting emergencies;
 - e. Personnel and maintenance records including those associated with required health and safety procedures;
 - f. Routine reports to Federal, State, and Local government agencies as appropriate, including, but not limited to, quarterly/annual reports, routine site inspection documentation and/or reports, and reporting of emergency incidents;
 - g. Drawings, plans, and specifications for all remedy components including, but not limited to, piping and instrumentation drawings, process flow drawings, existing construction ("as-built") drawings, existing O&M manuals, and similar documents;

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- h. Applicable design assumptions and parameters, including design restrictions, process performance criteria, appropriate unit processes for any upgrade, modification, or addition to source control systems existing at the Site, including any treatment, and/or expected removal or treatment efficiencies for any processes and for wastes (concentration and volume); and
- I. Records of contact with the local community or other community involvement events by the Respondents, their designated representatives, or other site operational personnel.
- 11. Description of deed restrictions and/or other institutional controls required at the site.

III.D Task 4: Design of Additional Point of Entry (POE) Water Treatment Systems

As discussed in Section II.F of this SOW, additional point of entry (POE) water treatment systems are required as a **contingency** in the event it is demonstrated that source control systems existing at the site fail to provide protection of human health and the environment. The Respondents shall prepare an addendum or appendix to the O&M Plan as provision for design and construction of POE water treatment systems, and shall submit this addendum or appendix to U.S. EPA and WDNR within the Draft and Final O&M Plan document in accordance with Section IIE, IIIC, and the schedule in Section IV of this SOW. The final submittal shall fully address all comments made to the preceding design submittal. Subject to approval by U.S. EPA with WDNR concurrence, Respondents may submit more than one set of submittals reflecting different components of the Remedial Action. The Respondents shall provide protocol and procedures as part of the Remedial Design describing the investigation and action to be implemented in the event that the need for POE water treatment is demonstrated, including design of such systems and a demonstration that any POE water treatment system provides an adequate level of protectiveness. These protocol and procedures shall include at a minimum, but are not limited to: identification of remedy and process circumstances and/or data indicators that demonstrate the need for POE treatment; identification of required drawings, plans, and specifications for all POE components, including, but not limited to, piping and instrumentation drawings, process flow drawings, construction ("as-built") drawings, O&M manuals and similar documents, design assumptions and parameters including design restrictions, process performance criteria, and appropriate unit processes and/or expected removal or treatment efficiencies of wastes (concentration and volume). Monitoring of point of entry ~~use~~ water treatment systems shall be incorporated into the groundwater monitoring program. O&M of point of entry ~~use~~ water treatment systems shall be incorporated within O&M submittals as described in Sections I.E and III.C of this SOW.

IV. SUMMARY OF MAJOR DELIVERABLES/SCHEDULE

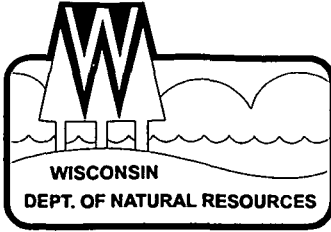
A summary of the project schedule and reporting requirements contained in this SOW is presented below:

<u>Submission</u>	<u>Due Date</u>
1. Initiate Remedial Design Work	Thirty (30) days after effective date of AOC Amendment
2. Draft Groundwater Monitoring Program	One hundred twenty (120) days after effective date of AOC Amendment
3. Draft Remedial Design Report	One hundred eighty (180) Days after effective date of AOC Amendment

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- | | | |
|----|--------------------------------------|---|
| 4. | Draft O&M Plan | One hundred twenty (120) days after effective date of AOC Amendment |
| 5. | Final Groundwater Monitoring Program | Sixty (60) days after receipt of EPA's comments on the Preliminary Design |
| 6. | Final Remedial Design Report | Sixty (60) days after receipt of EPA's comments on the draft RD Report |
| 7. | Final O&M Plan | Sixty (60) days after receipt of EPA's comments on the Pre-final Design |

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State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Tommy G. Thompson, Governor
George E. Meyer, Secretary
Ruthe E. Badger, Regional Director

South Central Region Headquarters
3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711-5397
Telephone 608-275-3266
FAX 608-275-3338
TDD 608-275-3231

March 24, 2000

Raymond & Mary Bula
RFD 1, 7872 Deer Run East
Cross Plains, WI 53528

File Ref: 113112010
Dane County

SUBJECT: Results of Drinking Water Quality Testing, November 1999

Dear Mr. and Ms. Bula:

Drinking water samples were collected from your home in November 1999 by Environmental Sampling Corporation and submitted to the laboratory of Commonwealth Technology, Inc. for analysis. This testing was performed at the request of the Department of Natural Resources (DNR) as part of the groundwater monitoring associated with the Refuse Hideaway Landfill.

Your well water was tested for the presence of volatile organic compounds (VOCs). As you can see from the enclosed laboratory results sheet, no VOCs were detected in your well water. Therefore, it does not appear that the Refuse Hideaway Landfill or any other contaminant source has impacted the water quality of your well with VOC contamination at this time.

If you have any questions about our work at the landfill or the enclosed drinking water quality results, please contact me at the address listed above or you can also contact me as indicated below.

Sincerely,

Hank Kuehling, P.G.
Remediation and Redevelopment Hydrogeologist
(608) 275-3286
kuehln@dnr.state.wi.us

enclosure

cc: Dr. Henry Anderson - DHFS
Frank Perugini - ESC
DG/SCR

Quality Natural Resources Management
Through Excellent Customer Service





**Commonwealth
Technology, Inc.**

Baraboo Laboratory Division

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Lexington, KY • Louisville, KY • Baraboo, WI

ANALYTICAL REPORT

ENVIRONMENTAL SAMPLING CORP.
FRANK PERUGINI
PO BOX 12
MUSKEGO, WI 53150

Customer #: LE000000001
Work Order: 9911000740
Report Date: 12/28/99
Date Received: 11/24/99
Arrival Temperature: On Ice

Note: NONE

Project Name: REFUSE HDWY LF

Project Number:

Sample I.D. #:	Sample Description:	Date Sampled:	Result	Units	Qualifier	LOD	LOQ	Extracted	Analyzed	Analyst	Method
257254	PW-BULA	11/24/99	< 0.20	ug/L		0.2	0.7		12/05/99	LMG	8260
			< 1.0	ug/L		1.0	3.1		12/05/99	LMG	8260
			< 0.20	ug/L		0.2	0.7		12/05/99	LMG	8260
			< 0.30	ug/L		0.3	0.8		12/05/99	LMG	8260
			< 0.20	ug/L		0.2	0.5		12/05/99	LMG	8260
			< 0.70	ug/L		0.7	2.3		12/05/99	LMG	8260
			< 0.20	ug/L		0.2	0.6		12/05/99	LMG	8260
			< 0.20	ug/L		0.2	0.5		12/05/99	LMG	8260
			< 0.30	ug/L		0.3	1.0		12/05/99	LMG	8260
			< 0.20	ug/L		0.2	0.6		12/05/99	LMG	8260
			< 0.20	ug/L		0.2	0.5		12/05/99	LMG	8260
			< 0.30	ug/L		0.3	0.9		12/05/99	LMG	8260
			< 0.20	ug/L		0.2	0.6		12/05/99	LMG	8260
			< 0.10	ug/L		0.1	0.4		12/05/99	LMG	8260
			< 0.20	ug/L		0.2	0.6		12/05/99	LMG	8260
			< 0.10	ug/L		0.1	0.4		12/05/99	LMG	8260
			< 0.10	ug/L		0.1	0.3		12/05/99	LMG	8260
			< 0.40	ug/L		0.4	1.3		12/05/99	LMG	8260
			< 0.10	ug/L		0.1	0.4		12/05/99	LMG	8260
			< 0.10	ug/L		0.1	0.3		12/05/99	LMG	8260
			< 0.20	ug/L		0.2	0.7		12/05/99	LMG	8260
			< 3.3	ug/L		3.3	11		12/05/99	LMG	8260
			< 0.10	ug/L		0.1	0.4		12/05/99	LMG	8260
			< 2.4	ug/L		2.4	7.9		12/05/99	LMG	8260
			< 0.10	ug/L		0.1	0.4		12/05/99	LMG	8260
			< 1.8	ug/L		1.8	6.1		12/05/99	LMG	8260
			< 8.0	ug/L		8.0	27		12/05/99	LMG	8260
			< 0.10	ug/L		0.1	0.3		12/05/99	LMG	8260
			< 0.20	ug/L		0.2	0.5		12/05/99	LMG	8260
			< 0.30	ug/L		0.3	0.8		12/05/99	LMG	8260
			< 0.20	ug/L		0.2	0.7		12/05/99	LMG	8260
			< 0.20	ug/L		0.2	0.5		12/05/99	LMG	8260
			< 0.70	ug/L		0.7	2.3		12/05/99	LMG	8260
			< 4.7	ug/L		4.7	16		12/05/99	LMG	8260
			< 0.30	ug/L		0.3	1.0		12/05/99	LMG	8260
			< 0.10	ug/L		0.1	0.3		12/05/99	LMG	8260
			< 0.20	ug/L		0.2	0.7		12/05/99	LMG	8260
			< 0.70	ug/L		0.7	2.3		12/05/99	LMG	8260

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ANALYTICAL REPORT

ENVIRONMENTAL SAMPLING CORP.
FRANK PERUGINI
PO BOX 12
MUSKEGO, WI 53150

Customer #: LE0000000001
Work Order: 9911000740
Report Date: 12/28/99
Date Received: 11/24/99
Arrival Temperature: On Ice

Note: NONE

Project Name: REFUSE HDWY LF

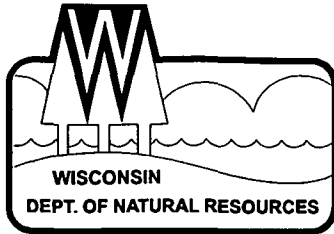
Project Number:

Sample I.D. #:	Sample Description:	Date Sampled:							
257254	PW-BULA	11/24/99							
Analyte	Result	Units	Qualifier	LOD	LOQ	Extracted	Analyzed	Analyst	Method
Chloroform	< 0.20	ug/L		0.2	0.5		12/05/99	LMG	8260
Chloromethane	< 0.50	ug/L		0.5	1.5		12/05/99	LMG	8260
cis-1,2-Dichloroethene	< 0.20	ug/L		0.2	0.7		12/05/99	LMG	8260
cis-1,3-Dichloropropene	< 0.10	ug/L		0.1	0.3		12/05/99	LMG	8260
Dibromomethane	< 0.20	ug/L		0.2	0.7		12/05/99	LMG	8260
Dichlorodifluoromethane	< 0.40	ug/L		0.4	1.2		12/05/99	LMG	8260
Diisopropyl Ether	< 0.20	ug/L		0.2	0.7		12/05/99	LMG	8260
Ethylbenzene	< 0.10	ug/L		0.1	0.4		12/05/99	LMG	8260
Hexachlorobutadiene	< 0.20	ug/L		0.2	0.5		12/05/99	LMG	8260
Isopropylbenzene	< 0.10	ug/L		0.1	0.4		12/05/99	LMG	8260
m & p-Xylene	< 0.20	ug/L		0.2	0.6		12/05/99	LMG	8260
Methyl tert-butyl ether	< 0.30	ug/L		0.3	0.9		12/05/99	LMG	8260
Methylene chloride	< 0.40	ug/L		0.4	1.3		12/05/99	LMG	8260
n-Butylbenzene	< 0.20	ug/L		0.2	0.5		12/05/99	LMG	8260
n-Propylbenzene	< 0.10	ug/L		0.1	0.4		12/05/99	LMG	8260
Naphthalene	< 0.40	ug/L		0.4	1.4		12/05/99	LMG	8260
o-Xylene	< 0.20	ug/L		0.2	0.5		12/05/99	LMG	8260
p-Isopropyltoluene	< 0.10	ug/L		0.1	0.4		12/05/99	LMG	8260
sec-Butylbenzene	< 0.20	ug/L		0.2	0.5		12/05/99	LMG	8260
Styrene	< 0.10	ug/L		0.1	0.4		12/05/99	LMG	8260
tert-Butylbenzene	< 0.10	ug/L		0.1	0.3		12/05/99	LMG	8260
Tetrachloroethene	< 0.20	ug/L		0.2	0.5		12/05/99	LMG	8260
Tetrahydrofuran	< 2.5	ug/L		2.5	8.2		12/05/99	LMG	8260
Toluene	< 0.20	ug/L		0.2	0.7		12/05/99	LMG	8260
trans-1,2-Dichloroethene	< 0.20	ug/L		0.2	0.7		12/05/99	LMG	8260
trans-1,3-Dichloropropene	< 0.20	ug/L		0.2	0.5		12/05/99	LMG	8260
Trichloroethene	< 0.20	ug/L		0.2	0.6		12/05/99	LMG	8260
Trichlorofluoromethane	< 0.60	ug/L		0.6	2.1		12/05/99	LMG	8260
Vinyl Chloride	< 0.30	ug/L		0.3	1.1		12/05/99	LMG	8260

Sample I.D. #:	Sample Description:	Date Sampled:							
257255	PW-DUP	11/24/99							
Analyte	Result	Units	Qualifier	LOD	LOQ	Extracted	Analyzed	Analyst	Method
1,1,1,2-Tetrachloroethane	< 0.20	ug/L		0.2	0.7		12/05/99	LMG	8260
1,1,1-Trichloroethane	< 1.0	ug/L		1.0	3.1		12/05/99	LMG	8260
1,1,2,2-Tetrachloroethane	< 0.20	ug/L		0.2	0.7		12/05/99	LMG	8260
1,1,2-Trichloroethane	< 0.30	ug/L		0.3	0.8		12/05/99	LMG	8260

WI DNR Lab Certification Number: 157066030 DATCP Certification Number: 289

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Phone: 608-356-2760 • Toll Free: 800-228-3012 • Fax: 608-356-2766 • www.cti-lab.com



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Tommy G. Thompson, Governor
George E. Meyer, Secretary
Ruthe E. Badger, Regional Director

South Central Region Headquarters
3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711-5397
Telephone 608-275-3266
FAX 608-275-3338
TDD 608-275-3231

March 24, 2000

Loyal & Bernice Durand
4314 Fawn Court
Cross Plains, WI 53528

File Ref: 113112010
Dane County

SUBJECT: Results of Drinking Water Quality Testing, November 1999

Dear Mr. and Ms. Durand:

Drinking water samples were collected from your home in November 1999 by Environmental Sampling Corporation and submitted to the laboratory of Commonwealth Technology, Inc. for analysis. This testing was performed at the request of the Department of Natural Resources (DNR) as part of the groundwater monitoring associated with the Refuse Hideaway Landfill.

Your well water was tested for the presence of volatile organic compounds (VOCs). As you can see from the enclosed laboratory results sheet, no VOCs were detected in your well water. Therefore, it does not appear that the Refuse Hideaway Landfill or any other contaminant source has impacted the water quality of your well with VOC contamination at this time.

If you have any questions about our work at the landfill or the enclosed drinking water quality results, please contact me at the address listed above or you can also contact me as indicated below.

Sincerely,

Hank Kuehling, P.G.
Remediation and Redevelopment Hydrogeologist
(608) 275-3286
kueh1h@dnr.state.wi.us

enclosure

cc: Dr. Henry Anderson - DHFS
Frank Perugini - ESC
DG/SCR

Quality Natural Resources Management
Through Excellent Customer Service





**Commonwealth
Technology, Inc.**

Baraboo Laboratory Division

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ANALYTICAL REPORT

ENVIRONMENTAL SAMPLING CORP.
FRANK PERUGINI
PO BOX 12
MUSKEGO, WI 53150

Customer #: LE0000000001
Work Order: 9911000740
Report Date: 12/28/99
Date Received: 11/24/99
Arrival Temperature: On Ice

Note: NONE

Project Name: REFUSE HDWY LF

Project Number:

Sample I.D. #:	Sample Description:	Date Sampled:								
257251	PW-ROUNDS	11/24/99								
Analyte	Result	Units	Qualifier	LOD	LOQ	Extracted	Analyzed	Analyst	Method	
Toluene	<0.20	ug/L		0.2	0.7		12/05/99	LMG	8260	
trans-1,2-Dichloroethene	<0.20	ug/L		0.2	0.7		12/05/99	LMG	8260	
trans-1,3-Dichloropropene	<0.20	ug/L		0.2	0.5		12/05/99	LMG	8260	
Trichloroethene	<0.20	ug/L		0.2	0.6		12/05/99	LMG	8260	
Trichlorofluoromethane	<0.60	ug/L		0.6	2.1		12/05/99	LMG	8260	
Vinyl Chloride	<0.30	ug/L		0.3	1.1		12/05/99	LMG	8260	

Sample I.D. #:	Sample Description:	Date Sampled:								
257252	PW-DURAND	11/24/99								
Analyte	Result	Units	Qualifier	LOD	LOQ	Extracted	Analyzed	Analyst	Method	
1,1,1,2-Tetrachloroethane	<0.20	ug/L		0.2	0.7		12/05/99	LMG	8260	
1,1,1-Trichloroethane	<1.0	ug/L		1.0	3.1		12/05/99	LMG	8260	
1,1,2,2-Tetrachloroethane	<0.20	ug/L		0.2	0.7		12/05/99	LMG	8260	
1,1,2-Trichloroethane	<0.30	ug/L		0.3	0.8		12/05/99	LMG	8260	
1,1-Dichloroethane	<0.20	ug/L		0.2	0.5		12/05/99	LMG	8260	
1,1-Dichloroethene	<0.70	ug/L		0.7	2.3		12/05/99	LMG	8260	
1,1-Dichloropropene	<0.20	ug/L		0.2	0.6		12/05/99	LMG	8260	
1,2,3-Trichlorobenzene	<0.20	ug/L		0.2	0.5		12/05/99	LMG	8260	
1,2,3-Trichloropropane	<0.30	ug/L		0.3	1.0		12/05/99	LMG	8260	
1,2,4-Trichlorobenzene	<0.20	ug/L		0.2	0.6		12/05/99	LMG	8260	
1,2,4-Trimethylbenzene	<0.20	ug/L		0.2	0.5		12/05/99	LMG	8260	
1,2-Dibromo-3-chloropropane	<0.30	ug/L		0.3	0.9		12/05/99	LMG	8260	
1,2-Dibromoethane	<0.20	ug/L		0.2	0.6		12/05/99	LMG	8260	
1,2-Dichlorobenzene	<0.10	ug/L		0.1	0.4		12/05/99	LMG	8260	
1,2-Dichloroethane	<0.20	ug/L		0.2	0.6		12/05/99	LMG	8260	
1,2-Dichloropropane	<0.10	ug/L		0.1	0.4		12/05/99	LMG	8260	
1,3,5-Trimethylbenzene	<0.10	ug/L		0.1	0.3		12/05/99	LMG	8260	
1,3-Dichlorobenzene	<0.40	ug/L		0.4	1.3		12/05/99	LMG	8260	
1,3-Dichloropropane	<0.10	ug/L		0.1	0.4		12/05/99	LMG	8260	
1,4-Dichlorobenzene	<0.10	ug/L		0.1	0.3		12/05/99	LMG	8260	
2,2-Dichloropropane	<0.20	ug/L		0.2	0.7		12/05/99	LMG	8260	
2-Butanone	<3.3	ug/L		3.3	11		12/05/99	LMG	8260	
2-Chlorotoluene	<0.10	ug/L		0.1	0.4		12/05/99	LMG	8260	
2-Hexanone	<2.4	ug/L		2.4	7.9		12/05/99	LMG	8260	
4-Chlorotoluene	<0.10	ug/L		0.1	0.4		12/05/99	LMG	8260	
4-Methyl-2-pentanone (MIBK)	<1.8	ug/L		1.8	6.1		12/05/99	LMG	8260	
Acetone	<8.0	ug/L		8.0	27		12/05/99	LMG	8260	

WI DNR Lab Certification Number: 157066030 DATCP Certification Number: 289

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ANALYTICAL REPORT

ENVIRONMENTAL SAMPLING CORP.
FRANK PERUGINI
PO BOX 12
MUSKEGO, WI 53150

Customer #: LE0000000001
Work Order: 9911000740
Report Date: 12/28/99
Date Received: 11/24/99
Arrival Temperature: On Ice

Note: NONE

Project Name: REFUSE HDWY LF

Project Number:

Sample I.D. #:	Sample Description:	Date Sampled:							
257252	PW-DURAND	11/24/99							
Analyte	Result	Units	Qualifier	LOD	LOQ	Extracted	Analyzed	Analyst	Method
Benzene	<0.10	ug/L		0.1	0.3		12/05/99	LMG	8260
Bromobenzene	<0.20	ug/L		0.2	0.5		12/05/99	LMG	8260
Bromochloromethane	<0.30	ug/L		0.3	0.8		12/05/99	LMG	8260
Bromodichloromethane	<0.20	ug/L		0.2	0.7		12/05/99	LMG	8260
Bromoform	<0.20	ug/L		0.2	0.5		12/05/99	LMG	8260
Bromomethane	<0.70	ug/L		0.7	2.3		12/05/99	LMG	8260
Carbon disulfide	<4.7	ug/L		4.7	16		12/05/99	LMG	8260
Carbon tetrachloride	<0.30	ug/L		0.3	1.0		12/05/99	LMG	8260
Chlorobenzene	<0.10	ug/L		0.1	0.3		12/05/99	LMG	8260
Chlorodibromomethane	<0.20	ug/L		0.2	0.7		12/05/99	LMG	8260
Chloroethane	<0.70	ug/L		0.7	2.3		12/05/99	LMG	8260
Chloroform	<0.20	ug/L		0.2	0.5		12/05/99	LMG	8260
Chloromethane	<0.50	ug/L		0.5	1.5		12/05/99	LMG	8260
cis-1,2-Dichloroethene	<0.20	ug/L		0.2	0.7		12/05/99	LMG	8260
cis-1,3-Dichloropropene	<0.10	ug/L		0.1	0.3		12/05/99	LMG	8260
Dibromomethane	<0.20	ug/L		0.2	0.7		12/05/99	LMG	8260
Dichlorodifluoromethane	<0.40	ug/L		0.4	1.2		12/05/99	LMG	8260
Diisopropyl Ether	<0.20	ug/L		0.2	0.7		12/05/99	LMG	8260
Ethylbenzene	<0.10	ug/L		0.1	0.4		12/05/99	LMG	8260
Hexachlorobutadiene	<0.20	ug/L		0.2	0.5		12/05/99	LMG	8260
Isopropylbenzene	<0.10	ug/L		0.1	0.4		12/05/99	LMG	8260
m & p-Xylene	<0.20	ug/L		0.2	0.6		12/05/99	LMG	8260
Methyl tert-butyl ether	<0.30	ug/L		0.3	0.9		12/05/99	LMG	8260
Methylene chloride	<0.40	ug/L		0.4	1.3		12/05/99	LMG	8260
n-Butylbenzene	<0.20	ug/L		0.2	0.5		12/05/99	LMG	8260
n-Propylbenzene	<0.10	ug/L		0.1	0.4		12/05/99	LMG	8260
Naphthalene	<0.40	ug/L		0.4	1.4		12/05/99	LMG	8260
o-Xylene	<0.20	ug/L		0.2	0.5		12/05/99	LMG	8260
p-Isopropyltoluene	<0.10	ug/L		0.1	0.4		12/05/99	LMG	8260
sec-Butylbenzene	<0.20	ug/L		0.2	0.5		12/05/99	LMG	8260
Styrene	<0.10	ug/L		0.1	0.4		12/05/99	LMG	8260
tert-Butylbenzene	<0.10	ug/L		0.1	0.3		12/05/99	LMG	8260
Tetrachloroethene	<0.20	ug/L		0.2	0.5		12/05/99	LMG	8260
Tetrahydrofuran	<2.5	ug/L		2.5	8.2		12/05/99	LMG	8260
Toluene	<0.20	ug/L		0.2	0.7		12/05/99	LMG	8260
trans-1,2-Dichloroethene	<0.20	ug/L		0.2	0.7		12/05/99	LMG	8260
trans-1,3-Dichloropropene	<0.20	ug/L		0.2	0.5		12/05/99	LMG	8260
Trichloroethene	<0.20	ug/L		0.2	0.6		12/05/99	LMG	8260

WI DNR Lab Certification Number: 157066030 DATCP Certification Number: 289

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ANALYTICAL REPORT

ENVIRONMENTAL SAMPLING CORP.
FRANK PERUGINI
PO BOX 12
MUSKEGO, WI 53150

Customer #: LE000000001
Work Order: 9911000740
Report Date: 12/28/99
Date Received: 11/24/99
Arrival Temperature: On Ice

Note: NONE

Project Name: REFUSE HOWY LF

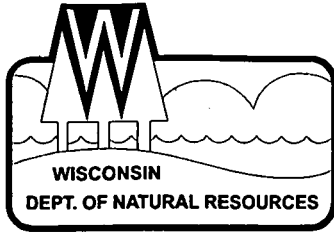
Project Number:

Sample I.D. #:	Sample Description:	Date Sampled:	Analyte	Result	Units	Qualifier	LOO	LOO	Extracted	Analyzed	Analyst	Method
257252	PW-DURAND	11/24/99	Trichlorofluoromethane	< 0.60	ug/L		0.6	2.1		12/05/99	LMG	8260
			Vinyl Chloride	< 0.30	ug/L		0.3	1.1		12/05/99	LMG	8260

Sample I.D. #:	Sample Description:	Date Sampled:	Analyte	Result	Units	Qualifier	LOO	LOO	Extracted	Analyzed	Analyst	Method
257253	PW-THESEAU	11/24/99	1,1,1,2-Tetrachloroethane	< 0.20	ug/L		0.2	0.7		12/05/99	LMG	8260
			1,1,1-Trichloroethane	< 1.0	ug/L		1.0	3.1		12/05/99	LMG	8260
			1,1,2,2-Tetrachloroethane	< 0.20	ug/L		0.2	0.7		12/05/99	LMG	8260
			1,1,2-Trichloroethane	< 0.30	ug/L		0.3	0.8		12/05/99	LMG	8260
			1,1-Dichloroethane	< 0.20	ug/L		0.2	0.5		12/05/99	LMG	8260
			1,1-Dichloroethene	< 0.70	ug/L		0.7	2.3		12/05/99	LMG	8260
			1,1-Dichloropropene	< 0.20	ug/L		0.2	0.6		12/05/99	LMG	8260
			1,2,3-Trichlorobenzene	< 0.20	ug/L		0.2	0.5		12/05/99	LMG	8260
			1,2,3-Trichloropropane	< 0.30	ug/L		0.3	1.0		12/05/99	LMG	8260
			1,2,4-Trichlorobenzene	< 0.20	ug/L		0.2	0.6		12/05/99	LMG	8260
			1,2,4-Trimethylbenzene	< 0.20	ug/L		0.2	0.5		12/05/99	LMG	8260
			1,2-Dibromo-3-chloropropane	< 0.30	ug/L		0.3	0.9		12/05/99	LMG	8260
			1,2-Dibromoethane	< 0.20	ug/L		0.2	0.6		12/05/99	LMG	8260
			1,2-Dichlorobenzene	< 0.10	ug/L		0.1	0.4		12/05/99	LMG	8260
			1,2-Dichloroethane	< 0.20	ug/L		0.2	0.6		12/05/99	LMG	8260
			1,2-Dichloropropane	< 0.10	ug/L		0.1	0.4		12/05/99	LMG	8260
			1,3,5-Trimethylbenzene	< 0.10	ug/L		0.1	0.3		12/05/99	LMG	8260
			1,3-Dichlorobenzene	< 0.40	ug/L		0.4	1.3		12/05/99	LMG	8260
			1,3-Dichloropropane	< 0.10	ug/L		0.1	0.4		12/05/99	LMG	8260
			1,4-Dichlorobenzene	< 0.10	ug/L		0.1	0.3		12/05/99	LMG	8260
			2,2-Dichloropropane	< 0.20	ug/L		0.2	0.7		12/05/99	LMG	8260
			2-Butanone	< 3.3	ug/L		3.3	11		12/05/99	LMG	8260
			2-Chlorotoluene	< 0.10	ug/L		0.1	0.4		12/05/99	LMG	8260
			2-Hexanone	< 2.4	ug/L		2.4	7.9		12/05/99	LMG	8260
			4-Chlorotoluene	< 0.10	ug/L		0.1	0.4		12/05/99	LMG	8260
			4-Methyl-2-pentanone (MIBK)	< 1.8	ug/L		1.8	6.1		12/05/99	LMG	8260
			Acetone	< 8.0	ug/L		8.0	27		12/05/99	LMG	8260
			Benzene	< 0.10	ug/L		0.1	0.3		12/05/99	LMG	8260
			Bromobenzene	< 0.20	ug/L		0.2	0.5		12/05/99	LMG	8260
			Bromochloromethane	< 0.30	ug/L		0.3	0.8		12/05/99	LMG	8260
			Bromodichloromethane	< 0.20	ug/L		0.2	0.7		12/05/99	LMG	8260

WI DNR Lab Certification Number: 157066030 DATCP Certification Number: 289

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State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Tommy G. Thompson, Governor
George E. Meyer, Secretary
Ruthe E. Badger, Regional Director

South Central Region Headquarters
3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711-5397
Telephone 608-275-3266
FAX 608-275-3338
TDD 608-275-3231

March 24, 2000

Ms. Larae J. Palo
Ms. Virginia C. Bowler
7873 Deer Run Road
Cross Plains, WI 53528

File Ref: 113112010
Dane County

SUBJECT: Results of Drinking Water Quality Testing, November 1999

Dear Ms. Palo and Ms. Bowler:

Drinking water samples were collected from your home in November 1999 by Environmental Sampling Corporation and submitted to the laboratory of Commonwealth Technology, Inc. for analysis. This testing was performed at the request of the Department of Natural Resources (DNR) as part of the groundwater monitoring associated with the Refuse Hideaway Landfill.

Your well water was tested for the presence of volatile organic compounds (VOCs). As you can see from the enclosed laboratory results sheet, no VOCs were detected in your well water. Therefore, it does not appear that the Refuse Hideaway Landfill or any other contaminant source has impacted the water quality of your well with VOC contamination at this time.

If you have any questions about our work at the landfill or the enclosed drinking water quality results, please contact me at the address listed above or you can also contact me as indicated below.

Sincerely,

Hank Kuehling, P.G.
Remediation and Redevelopment Hydrogeologist
(608) 275-3286
kuehlh@dnr.state.wi.us

enclosure

cc: Dr. Henry Anderson - DHFS
Frank Perugini - ESC
DG/SCR

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Through Excellent Customer Service





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Baraboo Laboratory Division

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ANALYTICAL REPORT

ENVIRONMENTAL SAMPLING CORP.
FRANK PERUGINI
PO BOX 12
MUSKEGO, WI 53150

Customer #: LE000000001
Work Order: 9911000740
Report Date: 12/28/99
Date Received: 11/24/99
Arrival Temperature: On Ice

Note: NONE

Project Name: REFUSE HDWY LF

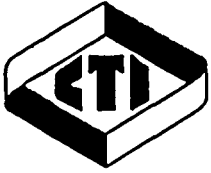
Project Number:

Sample I.D. #:	Sample Description:	Date Sampled:								
257258	TB	11/24/99								
Analyte	Result	Units	Qualifier	LOD	LOQ	Extracted	Analyzed	Analyst	Method	
Hexachlorobutadiene	< 0.20	ug/L		0.2	0.5		12/05/99	LMG	8260	
Isopropylbenzene	< 0.10	ug/L		0.1	0.4		12/05/99	LMG	8260	
m & p-Xylene	< 0.20	ug/L		0.2	0.6		12/05/99	LMG	8260	
Methyl tert-butyl ether	< 0.30	ug/L		0.3	0.9		12/05/99	LMG	8260	
Methylene chloride	< 0.40	ug/L		0.4	1.3		12/05/99	LMG	8260	
n-Butylbenzene	< 0.20	ug/L		0.2	0.5		12/05/99	LMG	8260	
n-Propylbenzene	< 0.10	ug/L		0.1	0.4		12/05/99	LMG	8260	
Naphthalene	< 0.40	ug/L		0.4	1.4		12/05/99	LMG	8260	
o-Xylene	< 0.20	ug/L		0.2	0.5		12/05/99	LMG	8260	
p-Isopropyltoluene	< 0.10	ug/L		0.1	0.4		12/05/99	LMG	8260	
sec-Butylbenzene	< 0.20	ug/L		0.2	0.5		12/05/99	LMG	8260	
Styrene	< 0.10	ug/L		0.1	0.4		12/05/99	LMG	8260	
tert-Butylbenzene	< 0.10	ug/L		0.1	0.3		12/05/99	LMG	8260	
Tetrachloroethene	< 0.20	ug/L		0.2	0.5		12/05/99	LMG	8260	
Tetrahydrofuran	< 2.5	ug/L		2.5	8.2		12/05/99	LMG	8260	
Toluene	< 0.20	ug/L		0.2	0.7		12/05/99	LMG	8260	
trans-1,2-Dichloroethene	< 0.20	ug/L		0.2	0.7		12/05/99	LMG	8260	
trans-1,3-Dichloropropene	< 0.20	ug/L		0.2	0.5		12/05/99	LMG	8260	
Trichloroethene	< 0.20	ug/L		0.2	0.6		12/05/99	LMG	8260	
Trichlorofluoromethane	< 0.60	ug/L		0.6	2.1		12/05/99	LMG	8260	
Vinyl Chloride	< 0.30	ug/L		0.3	1.1		12/05/99	LMG	8260	

Sample I.D. #:	Sample Description:	Date Sampled:								
257259	PW-KNOCHE Palo/Bowler	11/24/99								
Analyte	Result	Units	Qualifier	LOD	LOQ	Extracted	Analyzed	Analyst	Method	
1,1,1,2-Tetrachloroethane	< 0.20	ug/L		0.2	0.7		12/05/99	LMG	8260	
1,1,1-Trichloroethane	< 1.0	ug/L		1.0	3.1		12/05/99	LMG	8260	
1,1,2,2-Tetrachloroethane	< 0.20	ug/L		0.2	0.7		12/05/99	LMG	8260	
1,1,2-Trichloroethane	< 0.30	ug/L		0.3	0.8		12/05/99	LMG	8260	
1,1-Dichloroethane	< 0.20	ug/L		0.2	0.5		12/05/99	LMG	8260	
1,1-Dichloroethene	< 0.70	ug/L		0.7	2.3		12/05/99	LMG	8260	
1,1-Dichloropropene	< 0.20	ug/L		0.2	0.6		12/05/99	LMG	8260	
1,2,3-Trichlorobenzene	< 0.20	ug/L		0.2	0.5		12/05/99	LMG	8260	
1,2,3-Trichloropropane	< 0.30	ug/L		0.3	1.0		12/05/99	LMG	8260	
1,2,4-Trichlorobenzene	< 0.20	ug/L		0.2	0.6		12/05/99	LMG	8260	
1,2,4-Trimethylbenzene	< 0.20	ug/L		0.2	0.5		12/05/99	LMG	8260	
1,2-Dibromo-3-chloropropane	< 0.30	ug/L		0.3	0.9		12/05/99	LMG	8260	

WI DNR Lab Certification Number: 157066030 DATCP Certification Number: 289

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ANALYTICAL REPORT

ENVIRONMENTAL SAMPLING CORP.
FRANK PERUGINI
PD BOX 12
MUSKEGO, WI 53150

Customer #: LE0000000001
Work Order: 9911000740
Report Date: 12/28/99
Date Received: 11/24/99
Arrival Temperature: On Ice

Note: NONE

Project Name: REFUSE HDWY LF

Project Number:

Sample I.D. #:	Sample Description:	Date Sampled:	Result	Units	Qualifier	LDD	LOQ	Extracted	Analyzed	Analyst	Method
257259	PW-KNOCHÉ	11/24/99									
Analyte											
1,2-Dibromoethane			<0.20	ug/L		0.2	0.6		12/05/99	LMG	8260
1,2-Dichlorobenzene			<0.10	ug/L		0.1	0.4		12/05/99	LMG	8260
1,2-Dichloroethane			<0.20	ug/L		0.2	0.6		12/05/99	LMG	8260
1,2-Dichloropropane			<0.10	ug/L		0.1	0.4		12/05/99	LMG	8260
1,3,5-Trimethylbenzene			<0.10	ug/L		0.1	0.3		12/05/99	LMG	8260
1,3-Dichlorobenzene			<0.40	ug/L		0.4	1.3		12/05/99	LMG	8260
1,3-Dichloropropane			<0.10	ug/L		0.1	0.4		12/05/99	LMG	8260
1,4-Dichlorobenzene			<0.10	ug/L		0.1	0.3		12/05/99	LMG	8260
2,2-Dichloropropane			<0.20	ug/L		0.2	0.7		12/05/99	LMG	8260
2-Butanone			<3.3	ug/L		3.3	11		12/05/99	LMG	8260
2-Chlorotoluene			<0.10	ug/L		0.1	0.4		12/05/99	LMG	8260
2-Hexanone			<2.4	ug/L		2.4	7.9		12/05/99	LMG	8260
4-Chlorotoluene			<0.10	ug/L		0.1	0.4		12/05/99	LMG	8260
4-Methyl-2-pentanone (MIBK)			<1.8	ug/L		1.8	6.1		12/05/99	LMG	8260
Acetone			<8.0	ug/L		8.0	27		12/05/99	LMG	8260
Benzene			<0.10	ug/L		0.1	0.3		12/05/99	LMG	8260
Bromobenzene			<0.20	ug/L		0.2	0.5		12/05/99	LMG	8260
Bromochloromethane			<0.30	ug/L		0.3	0.8		12/05/99	LMG	8260
Bromodichloromethane			<0.20	ug/L		0.2	0.7		12/05/99	LMG	8260
Bromoform			<0.20	ug/L		0.2	0.5		12/05/99	LMG	8260
Bromomethane			<0.70	ug/L		0.7	2.3		12/05/99	LMG	8260
Carbon disulfide			<4.7	ug/L		4.7	16		12/05/99	LMG	8260
Carbon tetrachloride			<0.30	ug/L		0.3	1.0		12/05/99	LMG	8260
Chlorobenzene			<0.10	ug/L		0.1	0.3		12/05/99	LMG	8260
Chlorodibromomethane			<0.20	ug/L		0.2	0.7		12/05/99	LMG	8260
Chloroethane			<0.70	ug/L		0.7	2.3		12/05/99	LMG	8260
Chloroform			<0.20	ug/L		0.2	0.5		12/05/99	LMG	8260
Chloromethane			<0.50	ug/L		0.5	1.5		12/05/99	LMG	8260
cis-1,2-Dichloroethene			<0.20	ug/L		0.2	0.7		12/05/99	LMG	8260
cis-1,3-Dichloropropene			<0.10	ug/L		0.1	0.3		12/05/99	LMG	8260
Dibromomethane			<0.20	ug/L		0.2	0.7		12/05/99	LMG	8260
Dichlorodifluoromethane			<0.40	ug/L		0.4	1.2		12/05/99	LMG	8260
Diisopropyl Ether			<0.20	ug/L		0.2	0.7		12/05/99	LMG	8260
Ethylbenzene			<0.10	ug/L		0.1	0.4		12/05/99	LMG	8260
Hexachlorobutadiene			<0.20	ug/L		0.2	0.5		12/05/99	LMG	8260
Isopropylbenzene			<0.10	ug/L		0.1	0.4		12/05/99	LMG	8260
m & p-Xylene			<0.20	ug/L		0.2	0.6		12/05/99	LMG	8260
Methyl tert-butyl ether			<0.30	ug/L		0.3	0.9		12/05/99	LMG	8260

WI DNR Lab Certification Number: 157066030 DATCP Certification Number: 289

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ANALYTICAL REPORT

ENVIRONMENTAL SAMPLING CORP.
FRANK PERUGINI
PO BOX 12
MUSKEGO, WI 53150

Customer #: LE0000000001
Work Order: 9911000740
Report Date: 12/28/99
Date Received: 11/24/99
Arrival Temperature: On Ice

Note: NONE

Project Name: REFUSE HDWY LF

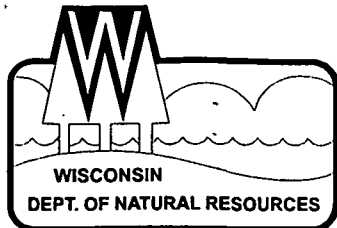
Project Number:

Sample I.D. #:	Sample Description:	Date Sampled:							
257259	PW-KNOCHE	11/24/99							
Analyte	Result	Units	Qualifier	LOD	LOQ	Extracted	Analyzed	Analyst	Method
Methylene chloride	<0.40	ug/L		0.4	1.3		12/05/99	LMG	8260
n-Butylbenzene	<0.20	ug/L		0.2	0.5		12/05/99	LMG	8260
n-Propylbenzene	<0.10	ug/L		0.1	0.4		12/05/99	LMG	8260
Naphthalene	<0.40	ug/L		0.4	1.4		12/05/99	LMG	8260
o-Xylene	<0.20	ug/L		0.2	0.5		12/05/99	LMG	8260
p-Isopropyltoluene	<0.10	ug/L		0.1	0.4		12/05/99	LMG	8260
sec-Butylbenzene	<0.20	ug/L		0.2	0.5		12/05/99	LMG	8260
Styrene	<0.10	ug/L		0.1	0.4		12/05/99	LMG	8260
tert-Butylbenzene	<0.10	ug/L		0.1	0.3		12/05/99	LMG	8260
Tetrachloroethene	<0.20	ug/L		0.2	0.5		12/05/99	LMG	8260
Tetrahydrofuran	<2.5	ug/L		2.5	8.2		12/05/99	LMG	8260
Toluene	<0.20	ug/L		0.2	0.7		12/05/99	LMG	8260
trans-1,2-Dichloroethene	<0.20	ug/L		0.2	0.7		12/05/99	LMG	8260
trans-1,3-Dichloropropene	<0.20	ug/L		0.2	0.5		12/05/99	LMG	8260
Trichloroethene	<0.20	ug/L		0.2	0.6		12/05/99	LMG	8260
Trichlorofluoromethane	<0.60	ug/L		0.6	2.1		12/05/99	LMG	8260
Vinyl Chloride	<0.30	ug/L		0.3	1.1		12/05/99	LMG	8260

Sample I.D. #:	Sample Description:	Date Sampled:							
257260	PW-SOMMERS	11/24/99							
Analyte	Result	Units	Qualifier	LOD	LOQ	Extracted	Analyzed	Analyst	Method
Analysis Date LRS Reporting	12/07/99								NR 507.26
1,1,1,2-Tetrachloroethane	<0.20	ug/L		0.2	0.7		12/05/99	LMG	8260
1,1,1-Trichloroethane	<1.0	ug/L		1.0	3.1		12/05/99	LMG	8260
1,1,2,2-Tetrachloroethane	<0.20	ug/L		0.2	0.7		12/05/99	LMG	8260
1,1,2-Trichloroethane	<0.30	ug/L		0.3	0.8		12/05/99	LMG	8260
1,1-Dichloroethane	<0.20	ug/L		0.2	0.5		12/05/99	LMG	8260
1,1-Dichloroethene	<0.70	ug/L		0.7	2.3		12/05/99	LMG	8260
1,1-Dichloropropene	<0.20	ug/L		0.2	0.6		12/05/99	LMG	8260
1,2,3-Trichlorobenzene	<0.20	ug/L		0.2	0.5		12/05/99	LMG	8260
1,2,3-Trichloropropene	<0.30	ug/L		0.3	1.0		12/05/99	LMG	8260
1,2,4-Trichlorobenzene	<0.20	ug/L		0.2	0.6		12/05/99	LMG	8260
1,2,4-Trimethylbenzene	<0.20	ug/L		0.2	0.5		12/05/99	LMG	8260
1,2-Dibromo-3-chloropropane	<0.30	ug/L		0.3	0.9		12/05/99	LMG	8260
1,2-Dibromoethane	<0.20	ug/L		0.2	0.6		12/05/99	LMG	8260
1,2-Dichlorobenzene	<0.10	ug/L		0.1	0.4		12/05/99	LMG	8260
1,2-Dichloroethane	<0.20	ug/L		0.2	0.6		12/05/99	LMG	8260

WI DNR Lab Certification Number: 157066030 DATCP Certification Number: 289

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State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Tommy G. Thompson, Governor
George E. Meyer, Secretary
Ruthe E. Badger, Regional Director

South Central Region Headquarters
3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711-5397
Telephone 608-275-3266
FAX 608-275-3338
TDD 608-275-3231

March 24, 2000

Mr. Wayne Rounds
7785 Low Road
Middleton, WI 53562

File Ref: 113112010
Dane County

SUBJECT: Results of Drinking Water Quality Testing, November 1999

Dear Mr. Rounds:

Drinking water samples were collected from your home in November 1999 by Environmental Sampling Corporation and submitted to the laboratory of Commonwealth Technology, Inc. for analysis. This testing was performed at the request of the Department of Natural Resources (DNR) as part of the groundwater monitoring associated with the Refuse Hideaway Landfill.

Your well water was tested for the presence of volatile organic compounds (VOCs). As you can see from the enclosed laboratory results sheet, no VOCs were detected in your well water. Therefore, it does not appear that the Refuse Hideaway Landfill or any other contaminant source has impacted the water quality of your well with VOC contamination at this time.

If you have any questions about our work at the landfill or the enclosed drinking water quality results, please contact me at the address listed above or you can also contact me as indicated below.

Sincerely,

Hank Kuehling, P.G.
Remediation and Redevelopment Hydrogeologist
(608) 275-3286
kuehln@dnr.state.wi.us

enclosure

cc: Dr. Henry Anderson - DHFS
Frank Perugini - ESC
DG/SCR

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ANALYTICAL REPORT

ENVIRONMENTAL SAMPLING CORP.
FRANK PERUGINI
PO BOX 12
MUSKEGO, WI 53150

Customer #: LE0000000001
Work Order: 9911000740
Report Date: 12/28/99
Date Received: 11/24/99
Arrival Temperature: On Ice

Note: NONE

Project Name: REFUSE HDWY LF

Project Number:

Sample I.D. #:	Sample Description:	Date Sampled:							
257250	PW-SATHER	11/24/99							
Analyte	Result	Units	Qualifier	LOD	LOQ	Extracted	Analyzed	Analyst	Method
Styrene	<0.10	ug/L		0.1	0.4		12/06/99	LMG	8260
tert-Butylbenzene	<0.10	ug/L		0.1	0.3		12/06/99	LMG	8260
Tetrachloroethene	<0.20	ug/L		0.2	0.5		12/06/99	LMG	8260
Tetrahydrofuran	<2.5	ug/L		2.5	8.2		12/06/99	LMG	8260
Toluene	<0.20	ug/L		0.2	0.7		12/06/99	LMG	8260
trans-1,2-Dichloroethene	<0.20	ug/L		0.2	0.7		12/06/99	LMG	8260
trans-1,3-Dichloropropene	<0.20	ug/L		0.2	0.5		12/06/99	LMG	8260
Trichloroethene	<0.20	ug/L		0.2	0.6		12/06/99	LMG	8260
Trichlorofluoromethane	<0.60	ug/L		0.6	2.1		12/06/99	LMG	8260
Vinyl Chloride	<0.30	ug/L		0.3	1.1		12/06/99	LMG	8260

Sample I.D. #:	Sample Description:	Date Sampled:							
257251	PW-ROUNDS	11/24/99							
Analyte	Result	Units	Qualifier	LOD	LOQ	Extracted	Analyzed	Analyst	Method
1,1,1,2-Tetrachloroethane	<0.20	ug/L		0.2	0.7		12/05/99	LMG	8260
1,1,1-Trichloroethane	<1.0	ug/L		1.0	3.1		12/05/99	LMG	8260
1,1,2,2-Tetrachloroethane	<0.20	ug/L		0.2	0.7		12/05/99	LMG	8260
1,1,2-Trichloroethane	<0.30	ug/L		0.3	0.8		12/05/99	LMG	8260
1,1-Dichloroethane	<0.20	ug/L		0.2	0.5		12/05/99	LMG	8260
1,1-Dichloroethene	<0.70	ug/L		0.7	2.3		12/05/99	LMG	8260
1,1-Dichloropropene	<0.20	ug/L		0.2	0.6		12/05/99	LMG	8260
1,2,3-Trichlorobenzene	<0.20	ug/L		0.2	0.5		12/05/99	LMG	8260
1,2,3-Trichloropropane	<0.30	ug/L		0.3	1.0		12/05/99	LMG	8260
1,2,4-Trichlorobenzene	<0.20	ug/L		0.2	0.6		12/05/99	LMG	8260
1,2,4-Trimethylbenzene	<0.20	ug/L		0.2	0.5		12/05/99	LMG	8260
1,2-Dibromo-3-chloropropane	<0.30	ug/L		0.3	0.9		12/05/99	LMG	8260
1,2-Dibromoethane	<0.20	ug/L		0.2	0.6		12/05/99	LMG	8260
1,2-Dichlorobenzene	<0.10	ug/L		0.1	0.4		12/05/99	LMG	8260
1,2-Dichloroethane	<0.20	ug/L		0.2	0.6		12/05/99	LMG	8260
1,2-Dichloropropane	<0.10	ug/L		0.1	0.4		12/05/99	LMG	8260
1,3,5-Trimethylbenzene	<0.10	ug/L		0.1	0.3		12/05/99	LMG	8260
1,3-Dichlorobenzene	<0.40	ug/L		0.4	1.3		12/05/99	LMG	8260
1,3-Dichloropropane	<0.10	ug/L		0.1	0.4		12/05/99	LMG	8260
1,4-Dichlorobenzene	<0.10	ug/L		0.1	0.3		12/05/99	LMG	8260
2,2-Dichloropropane	<0.20	ug/L		0.2	0.7		12/05/99	LMG	8260
2-Butanone	<3.3	ug/L		3.3	11		12/05/99	LMG	8260
2-Chlorotoluene	<0.10	ug/L		0.1	0.4		12/05/99	LMG	8260

WI DNR Lab Certification Number: 157066030 DATCP Certification Number: 289

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ANALYTICAL REPORT

ENVIRONMENTAL SAMPLING CORP.
FRANK PERUGINI
PO BOX 12
MUSKEGO, WI 53150

Customer #: LE0000000001
Work Order: 9911000740
Report Date: 12/28/99
Date Received: 11/24/99
Arrival Temperature: On Ice

Note: NONE

Project Name: REFUSE HDWY LF

Project Number:

Sample I.D. #:	Sample Description:				Date Sampled:					
257251	PW-ROUNDS				11/24/99					
Analyte	Result	Units	Qualifier	LOD	LOQ	Extracted	Analyzed	Analyst	Method	
2-Hexanone	< 2.4	ug/L		2.4	7.9		12/05/99	LMG	8260	
4-Chlorotoluene	< 0.10	ug/L		0.1	0.4		12/05/99	LMG	8260	
4-Methyl-2-pentanone (MIBK)	< 1.8	ug/L		1.8	6.1		12/05/99	LMG	8260	
Acetone	< 8.0	ug/L		8.0	27		12/05/99	LMG	8260	
Benzene	< 0.10	ug/L		0.1	0.3		12/05/99	LMG	8260	
Bromobenzene	< 0.20	ug/L		0.2	0.5		12/05/99	LMG	8260	
Bromochloromethane	< 0.30	ug/L		0.3	0.8		12/05/99	LMG	8260	
Bromodichloromethane	< 0.20	ug/L		0.2	0.7		12/05/99	LMG	8260	
Bromoform	< 0.20	ug/L		0.2	0.5		12/05/99	LMG	8260	
Bromomethane	< 0.70	ug/L		0.7	2.3		12/05/99	LMG	8260	
Carbon disulfide	< 4.7	ug/L		4.7	16		12/05/99	LMG	8260	
Carbon tetrachloride	< 0.30	ug/L		0.3	1.0		12/05/99	LMG	8260	
Chlorobenzene	< 0.10	ug/L		0.1	0.3		12/05/99	LMG	8260	
Chlorodibromomethane	< 0.20	ug/L		0.2	0.7		12/05/99	LMG	8260	
Chloroethane	< 0.70	ug/L		0.7	2.3		12/05/99	LMG	8260	
Chloroform	< 0.20	ug/L		0.2	0.5		12/05/99	LMG	8260	
Chloromethane	< 0.50	ug/L		0.5	1.5		12/05/99	LMG	8260	
cis-1,2-Dichloroethene	< 0.20	ug/L		0.2	0.7		12/05/99	LMG	8260	
cis-1,3-Dichloropropene	< 0.10	ug/L		0.1	0.3		12/05/99	LMG	8260	
Dibromomethane	< 0.20	ug/L		0.2	0.7		12/05/99	LMG	8260	
Dichlorodifluoromethane	< 0.40	ug/L		0.4	1.2		12/05/99	LMG	8260	
Diisopropyl Ether	< 0.20	ug/L		0.2	0.7		12/05/99	LMG	8260	
Ethylbenzene	< 0.10	ug/L		0.1	0.4		12/05/99	LMG	8260	
Hexachlorobutadiene	< 0.20	ug/L		0.2	0.5		12/05/99	LMG	8260	
Isopropylbenzene	< 0.10	ug/L		0.1	0.4		12/05/99	LMG	8260	
m & p-Xylene	< 0.20	ug/L		0.2	0.6		12/05/99	LMG	8260	
Methyl tert-butyl ether	< 0.30	ug/L		0.3	0.9		12/05/99	LMG	8260	
Methylene chloride	< 0.40	ug/L		0.4	1.3		12/05/99	LMG	8260	
n-Butylbenzene	< 0.20	ug/L		0.2	0.5		12/05/99	LMG	8260	
n-Propylbenzene	< 0.10	ug/L		0.1	0.4		12/05/99	LMG	8260	
Naphthalene	< 0.40	ug/L		0.4	1.4		12/05/99	LMG	8260	
o-Xylene	< 0.20	ug/L		0.2	0.5		12/05/99	LMG	8260	
p-Isopropyltoluene	< 0.10	ug/L		0.1	0.4		12/05/99	LMG	8260	
sec-Butylbenzene	< 0.20	ug/L		0.2	0.5		12/05/99	LMG	8260	
Styrene	< 0.10	ug/L		0.1	0.4		12/05/99	LMG	8260	
tert-Butylbenzene	< 0.10	ug/L		0.1	0.3		12/05/99	LMG	8260	
Tetrachloroethene	< 0.20	ug/L		0.2	0.5		12/05/99	LMG	8260	
Tetrahydrofuran	< 2.5	ug/L		2.5	8.2		12/05/99	LMG	8260	

WI DNR Lab Certification Number: 157066030 DATCP Certification Number: 289

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ANALYTICAL REPORT

ENVIRONMENTAL SAMPLING CORP.
FRANK PERUGINI
PO BOX 12
MUSKEGO, WI 53150

Customer #: LE0000000001
Work Order: 9911000740
Report Date: 12/28/99
Date Received: 11/24/99
Arrival Temperature: On Ice

Note: NONE

Project Name: REFUSE HDWY LF

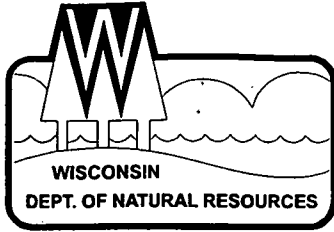
Project Number:

Sample I.D. #:	Sample Description:	Date Sampled:							
257251	PW-ROUNDS	11/24/99							
Analyte	Result	Units	Qualifier	LOD	LOQ	Extracted	Analyzed	Analyst	Method
Toluene	< 0.20	ug/L		0.2	0.7		12/05/99	LMG	8260
trans-1,2-Dichloroethene	< 0.20	ug/L		0.2	0.7		12/05/99	LMG	8260
trans-1,3-Dichloropropene	< 0.20	ug/L		0.2	0.5		12/05/99	LMG	8260
Trichloroethene	< 0.20	ug/L		0.2	0.6		12/05/99	LMG	8260
Trichlorofluoromethane	< 0.60	ug/L		0.6	2.1		12/05/99	LMG	8260
Vinyl Chloride	< 0.30	ug/L		0.3	1.1		12/05/99	LMG	8260

Sample I.D. #:	Sample Description:	Date Sampled:							
257252	PW-DURAND	11/24/99							
Analyte	Result	Units	Qualifier	LOD	LOQ	Extracted	Analyzed	Analyst	Method
1,1,1,2-Tetrachloroethane	< 0.20	ug/L		0.2	0.7		12/05/99	LMG	8260
1,1,1-Trichloroethane	< 1.0	ug/L		1.0	3.1		12/05/99	LMG	8260
1,1,2,2-Tetrachloroethane	< 0.20	ug/L		0.2	0.7		12/05/99	LMG	8260
1,1,2-Trichloroethane	< 0.30	ug/L		0.3	0.8		12/05/99	LMG	8260
1,1-Dichloroethane	< 0.20	ug/L		0.2	0.5		12/05/99	LMG	8260
1,1-Dichloroethene	< 0.70	ug/L		0.7	2.3		12/05/99	LMG	8260
1,1-Dichloropropene	< 0.20	ug/L		0.2	0.6		12/05/99	LMG	8260
1,2,3-Trichlorobenzene	< 0.20	ug/L		0.2	0.5		12/05/99	LMG	8260
1,2,3-Trichloropropane	< 0.30	ug/L		0.3	1.0		12/05/99	LMG	8260
1,2,4-Trichlorobenzene	< 0.20	ug/L		0.2	0.6		12/05/99	LMG	8260
1,2,4-Trimethylbenzene	< 0.20	ug/L		0.2	0.5		12/05/99	LMG	8260
1,2-Dibromo-3-chloropropane	< 0.30	ug/L		0.3	0.9		12/05/99	LMG	8260
1,2-Dibromoethane	< 0.20	ug/L		0.2	0.6		12/05/99	LMG	8260
1,2-Dichlorobenzene	< 0.10	ug/L		0.1	0.4		12/05/99	LMG	8260
1,2-Dichloroethane	< 0.20	ug/L		0.2	0.6		12/05/99	LMG	8260
1,2-Dichloropropane	< 0.10	ug/L		0.1	0.4		12/05/99	LMG	8260
1,3,5-Trimethylbenzene	< 0.10	ug/L		0.1	0.3		12/05/99	LMG	8260
1,3-Dichlorobenzene	< 0.40	ug/L		0.4	1.3		12/05/99	LMG	8260
1,3-Dichloropropane	< 0.10	ug/L		0.1	0.4		12/05/99	LMG	8260
1,4-Dichlorobenzene	< 0.10	ug/L		0.1	0.3		12/05/99	LMG	8260
2,2-Dichloropropane	< 0.20	ug/L		0.2	0.7		12/05/99	LMG	8260
2-Butanone	< 3.3	ug/L		3.3	11		12/05/99	LMG	8260
2-Chlorotoluene	< 0.10	ug/L		0.1	0.4		12/05/99	LMG	8260
2-Hexanone	< 2.4	ug/L		2.4	7.9		12/05/99	LMG	8260
4-Chlorotoluene	< 0.10	ug/L		0.1	0.4		12/05/99	LMG	8260
4-Methyl-2-pentanone (MIBK)	< 1.8	ug/L		1.8	6.1		12/05/99	LMG	8260
Acetone	< 8.0	ug/L		8.0	27		12/05/99	LMG	8260

WI ONR Lab Certification Number: 157066030 DATCP Certification Number: 289

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Tommy G. Thompson, Governor
George E. Meyer, Secretary
Ruthe E. Badger, Regional Director

South Central Region Headquarters
3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711-5397
Telephone 608-275-3266
FAX 608-275-3338
TDD 608-275-3231

March 24, 2000

Arvid & Margaret Sather
7911 Deer Run Road
Cross Plains, WI 53528

File Ref: 113112010
Dane County

SUBJECT: Results of Drinking Water Quality Testing, November 1999

Dear Mr. and Ms. Sather:

Drinking water samples were collected from your home in November 1999 by Environmental Sampling Corporation and submitted to the laboratory of Commonwealth Technology, Inc. for analysis. This testing was performed at the request of the Department of Natural Resources (DNR) as part of the groundwater monitoring associated with the Refuse Hideaway Landfill.

Your well water was tested for the presence of volatile organic compounds (VOCs). As you can see from the enclosed laboratory results sheet, no VOCs were detected in your well water. Therefore, it does not appear that the Refuse Hideaway Landfill or any other contaminant source has impacted the water quality of your well with VOC contamination at this time.

If you have any questions about our work at the landfill or the enclosed drinking water quality results, please contact me at the address listed above or you can also contact me as indicated below.

Sincerely,

Hank Kuehling, P.G.
Remediation and Redevelopment Hydrogeologist
(608) 275-3286
kueh1h@dnr.state.wi.us

enclosure

cc: Dr. Henry Anderson - DHFS
Frank Perugini - ESC
DG/SCR

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ANALYTICAL REPORT

ENVIRONMENTAL SAMPLING CORP.
FRANK PERUGINI
PO BOX 12
MUSKEGO, WI 53150

Customer #: LE0000000001
Work Order: 9911000740
Report Date: 12/28/99
Date Received: 11/24/99
Arrival Temperature: On Ice

Note: NONE

Project Name: REFUSE HDWY LF

Project Number:

Sample I.D. #:	Sample Description:	Date Sampled:										
257249	PW-WAGNER	11/24/99	Analyte	Result	Units	Qualifier	LDD	LOQ	Extracted	Analyzed	Analyst	Method
			Naphthalene	< 0.40	ug/L		0.4	1.4		12/06/99	LMG	8260
			o-Xylene	< 0.20	ug/L		0.2	0.5		12/06/99	LMG	8260
			p-Isopropyltoluene	< 0.10	ug/L		0.1	0.4		12/06/99	LMG	8260
			sec-Butylbenzene	< 0.20	ug/L		0.2	0.5		12/06/99	LMG	8260
			Styrene	< 0.10	ug/L		0.1	0.4		12/06/99	LMG	8260
			tert-Butylbenzene	< 0.10	ug/L		0.1	0.3		12/06/99	LMG	8260
			Tetrachloroethene	< 0.20	ug/L		0.2	0.5		12/06/99	LMG	8260
			Tetrahydrofuran	< 2.5	ug/L		2.5	8.2		12/06/99	LMG	8260
			Toluene	< 0.20	ug/L		0.2	0.7		12/06/99	LMG	8260
			trans-1,2-Dichloroethene	< 0.20	ug/L		0.2	0.7		12/06/99	LMG	8260
			trans-1,3-Dichloropropene	< 0.20	ug/L		0.2	0.5		12/06/99	LMG	8260
			Trichloroethene	< 0.20	ug/L		0.2	0.6		12/06/99	LMG	8260
			Trichlorofluoromethane	< 0.60	ug/L		0.6	2.1		12/06/99	LMG	8260
			Vinyl Chloride	< 0.30	ug/L		0.3	1.1		12/06/99	LMG	8260

Sample I.D. #:	Sample Description:	Date Sampled:										
257250	PW-SATHER	11/24/99	Analyte	Result	Units	Qualifier	LDD	LOQ	Extracted	Analyzed	Analyst	Method
			1,1,1,2-Tetrachloroethane	< 0.20	ug/L		0.2	0.7		12/06/99	LMG	8260
			1,1,1-Trichloroethane	< 1.0	ug/L		1.0	3.1		12/06/99	LMG	8260
			1,1,2,2-Tetrachloroethane	< 0.20	ug/L		0.2	0.7		12/06/99	LMG	8260
			1,1,2-Trichloroethane	< 0.30	ug/L		0.3	0.8		12/06/99	LMG	8260
			1,1-Dichloroethane	< 0.20	ug/L		0.2	0.5		12/06/99	LMG	8260
			1,1-Dichloroethene	< 0.70	ug/L		0.7	2.3		12/06/99	LMG	8260
			1,1-Dichloropropene	< 0.20	ug/L		0.2	0.6		12/06/99	LMG	8260
			1,2,3-Trichlorobenzene	< 0.20	ug/L		0.2	0.5		12/06/99	LMG	8260
			1,2,3-Trichloropropane	< 0.30	ug/L		0.3	1.0		12/06/99	LMG	8260
			1,2,4-Trichlorobenzene	< 0.20	ug/L		0.2	0.6		12/06/99	LMG	8260
			1,2,4-Trimethylbenzene	< 0.20	ug/L		0.2	0.5		12/06/99	LMG	8260
			1,2-Dibromo-3-chloropropane	< 0.30	ug/L		0.3	0.9		12/06/99	LMG	8260
			1,2-Dibromoethane	< 0.20	ug/L		0.2	0.6		12/06/99	LMG	8260
			1,2-Dichlorobenzene	< 0.10	ug/L		0.1	0.4		12/06/99	LMG	8260
			1,2-Dichloroethane	< 0.20	ug/L		0.2	0.6		12/06/99	LMG	8260
			1,2-Dichloropropane	< 0.10	ug/L		0.1	0.4		12/06/99	LMG	8260
			1,3,5-Trimethylbenzene	< 0.10	ug/L		0.1	0.3		12/06/99	LMG	8260
			1,3-Dichlorobenzene	< 0.40	ug/L		0.4	1.3		12/06/99	LMG	8260
			1,3-Dichloropropane	< 0.10	ug/L		0.1	0.4		12/06/99	LMG	8260

WI DNR Lab Certification Number: 157066030 DATCP Certification Number: 289

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ANALYTICAL REPORT

ENVIRONMENTAL SAMPLING CORP.
FRANK PERUGINI
PO BOX 12
MUSKEGO, WI 53150

Customer #: LE000000001
Work Order: 9911000740
Report Date: 12/28/99
Date Received: 11/24/99
Arrival Temperature: On Ice

Note: NONE

Project Name: REFUSE HDWY LF

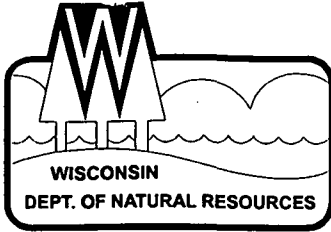
Project Number:

Sample I.D. #:	Sample Description:	Date Sampled:								
257250	PW-SATHER	11/24/99								
Analyte	Result	Units	Qualifier	LOD	LOQ	Extracted	Analyzed	Analyst	Method	
Styrene	<0.10	ug/L		0.1	0.4		12/06/99	LMG	8260	
tert-Butylbenzene	<0.10	ug/L		0.1	0.3		12/06/99	LMG	8260	
Tetrachloroethene	<0.20	ug/L		0.2	0.5		12/06/99	LMG	8260	
Tetrahydrofuran	<2.5	ug/L		2.5	8.2		12/06/99	LMG	8260	
Toluene	<0.20	ug/L		0.2	0.7		12/06/99	LMG	8260	
trans-1,2-Dichloroethene	<0.20	ug/L		0.2	0.7		12/06/99	LMG	8260	
trans-1,3-Dichloropropene	<0.20	ug/L		0.2	0.5		12/06/99	LMG	8260	
Trichloroethene	<0.20	ug/L		0.2	0.6		12/06/99	LMG	8260	
Trichlorofluoromethane	<0.60	ug/L		0.6	2.1		12/06/99	LMG	8260	
Vinyl Chloride	<0.30	ug/L		0.3	1.1		12/06/99	LMG	8260	

Sample I.D. #:	Sample Description:	Date Sampled:								
257251	PW-ROUNDS	11/24/99								
Analyte	Result	Units	Qualifier	LOD	LOQ	Extracted	Analyzed	Analyst	Method	
1,1,1,2-Tetrachloroethane	<0.20	ug/L		0.2	0.7		12/05/99	LMG	8260	
1,1,1-Trichloroethane	<1.0	ug/L		1.0	3.1		12/05/99	LMG	8260	
1,1,2,2-Tetrachloroethane	<0.20	ug/L		0.2	0.7		12/05/99	LMG	8260	
1,1,2-Trichloroethane	<0.30	ug/L		0.3	0.8		12/05/99	LMG	8260	
1,1-Dichloroethane	<0.20	ug/L		0.2	0.5		12/05/99	LMG	8260	
1,1-Dichloroethene	<0.70	ug/L		0.7	2.3		12/05/99	LMG	8260	
1,1-Dichloropropene	<0.20	ug/L		0.2	0.6		12/05/99	LMG	8260	
1,2,3-Trichlorobenzene	<0.20	ug/L		0.2	0.5		12/05/99	LMG	8260	
1,2,3-Trichloropropane	<0.30	ug/L		0.3	1.0		12/05/99	LMG	8260	
1,2,4-Trichlorobenzene	<0.20	ug/L		0.2	0.6		12/05/99	LMG	8260	
1,2,4-Trimethylbenzene	<0.20	ug/L		0.2	0.5		12/05/99	LMG	8260	
1,2-Dibromo-3-chloropropane	<0.30	ug/L		0.3	0.9		12/05/99	LMG	8260	
1,2-Dibromoethane	<0.20	ug/L		0.2	0.6		12/05/99	LMG	8260	
1,2-Dichlorobenzene	<0.10	ug/L		0.1	0.4		12/05/99	LMG	8260	
1,2-Dichloroethane	<0.20	ug/L		0.2	0.6		12/05/99	LMG	8260	
1,2-Dichloropropene	<0.10	ug/L		0.1	0.4		12/05/99	LMG	8260	
1,3,5-Trimethylbenzene	<0.10	ug/L		0.1	0.3		12/05/99	LMG	8260	
1,3-Dichlorobenzene	<0.40	ug/L		0.4	1.3		12/05/99	LMG	8260	
1,3-Dichloropropane	<0.10	ug/L		0.1	0.4		12/05/99	LMG	8260	
1,4-Dichlorobenzene	<0.10	ug/L		0.1	0.3		12/05/99	LMG	8260	
2,2-Dichloropropane	<0.20	ug/L		0.2	0.7		12/05/99	LMG	8260	
2-Butanone	<3.3	ug/L		3.3	11		12/05/99	LMG	8260	
2-Chlorotoluene	<0.10	ug/L		0.1	0.4		12/05/99	LMG	8260	

WI DNR Lab Certification Number: 157066030 DATCP Certification Number: 289

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George E. Meyer, Secretary
Ruthe E. Badger, Regional Director

South Central Region Headquarters
3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711-5397
Telephone 608-275-3266
FAX 608-275-3338
TDD 608-275-3231

March 24, 2000

Sharon Foster & Arne Theseau
4310 Fawn Court
Cross Plains, WI 53528

File Ref: 113112010
Dane County

SUBJECT: Results of Drinking Water Quality Testing, November 1999

Dear Mr. Theseau and Ms. Foster:

Drinking water samples were collected from your home in November 1999 by Environmental Sampling Corporation and submitted to the laboratory of Commonwealth Technology, Inc. for analysis. This testing was performed at the request of the Department of Natural Resources (DNR) as part of the groundwater monitoring associated with the Refuse Hideaway Landfill.

Your well water was tested for the presence of volatile organic compounds (VOCs). As you can see from the enclosed laboratory results sheet, no VOCs were detected in your well water. Therefore, it does not appear that the Refuse Hideaway Landfill or any other contaminant source has impacted the water quality of your well with VOC contamination at this time.

If you have any questions about our work at the landfill or the enclosed drinking water quality results, please contact me at the address listed above or you can also contact me as indicated below.

Sincerely,

Hank Kuehling, P.G.
Remediation and Redevelopment Hydrogeologist
(608) 275-3286
kueh1h@dnr.state.wi.us

enclosure

cc: Dr. Henry Anderson - DHFS
Frank Perugini - ESC
DG/SCR

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ANALYTICAL REPORT

ENVIRONMENTAL SAMPLING CORP.
FRANK PERUGINI
PD BOX 12
MUSKEGO, WI 53150

Customer #: LE0000000001
Work Order: 9911000740
Report Date: 12/28/99
Date Received: 11/24/99
Arrival Temperature: Dn Ice

Note: NONE

Project Name: REFUSE HDWY LF

Project Number:

Sample I.D. #:	Sample Description:	Date Sampled:	Analyte	Result	Units	Qualifier	LOD	LOQ	Extracted	Analyzed	Analyst	Method
257252	PW-DURAND	11/24/99	Trichlorofluoromethane	<0.60	ug/L		0.6	2.1		12/05/99	LMG	8260
			Vinyl Chloride	<0.30	ug/L		0.3	1.1		12/05/99	LMG	8260

Sample I.D. #:	Sample Description:	Date Sampled:	Analyte	Result	Units	Qualifier	LOD	LOQ	Extracted	Analyzed	Analyst	Method
257253	PW-THESEAU	11/24/99	1,1,1,2-Tetrachloroethane	<0.20	ug/L		0.2	0.7		12/05/99	LMG	8260
			1,1,1-Trichloroethane	<1.0	ug/L		1.0	3.1		12/05/99	LMG	8260
			1,1,2,2-Tetrachloroethane	<0.20	ug/L		0.2	0.7		12/05/99	LMG	8260
			1,1,2-Trichloroethane	<0.30	ug/L		0.3	0.8		12/05/99	LMG	8260
			1,1-Dichloroethane	<0.20	ug/L		0.2	0.5		12/05/99	LMG	8260
			1,1-Dichloroethene	<0.70	ug/L		0.7	2.3		12/05/99	LMG	8260
			1,1-Dichloropropene	<0.20	ug/L		0.2	0.6		12/05/99	LMG	8260
			1,2,3-Trichlorobenzene	<0.20	ug/L		0.2	0.5		12/05/99	LMG	8260
			1,2,3-Trichloropropane	<0.30	ug/L		0.3	1.0		12/05/99	LMG	8260
			1,2,4-Trichlorobenzene	<0.20	ug/L		0.2	0.6		12/05/99	LMG	8260
			1,2,4-Trimethylbenzene	<0.20	ug/L		0.2	0.5		12/05/99	LMG	8260
			1,2-Dibromo-3-chloropropane	<0.30	ug/L		0.3	0.9		12/05/99	LMG	8260
			1,2-Dibromoethane	<0.20	ug/L		0.2	0.6		12/05/99	LMG	8260
			1,2-Dichlorobenzene	<0.10	ug/L		0.1	0.4		12/05/99	LMG	8260
			1,2-Dichloroethane	<0.20	ug/L		0.2	0.6		12/05/99	LMG	8260
			1,2-Dichloropropane	<0.10	ug/L		0.1	0.4		12/05/99	LMG	8260
			1,3,5-Trimethylbenzene	<0.10	ug/L		0.1	0.3		12/05/99	LMG	8260
			1,3-Dichlorobenzene	<0.40	ug/L		0.4	1.3		12/05/99	LMG	8260
			1,3-Dichloropropane	<0.10	ug/L		0.1	0.4		12/05/99	LMG	8260
			1,4-Dichlorobenzene	<0.10	ug/L		0.1	0.3		12/05/99	LMG	8260
			2,2-Dichloropropane	<0.20	ug/L		0.2	0.7		12/05/99	LMG	8260
			2-Butanone	<3.3	ug/L		3.3	11		12/05/99	LMG	8260
			2-Chlorotoluene	<0.10	ug/L		0.1	0.4		12/05/99	LMG	8260
			2-Hexanone	<2.4	ug/L		2.4	7.9		12/05/99	LMG	8260
			4-Chlorotoluene	<0.10	ug/L		0.1	0.4		12/05/99	LMG	8260
			4-Methyl-2-pentanone (MIBK)	<1.8	ug/L		1.8	6.1		12/05/99	LMG	8260
			Acetone	<8.0	ug/L		8.0	27		12/05/99	LMG	8260
			Benzene	<0.10	ug/L		0.1	0.3		12/05/99	LMG	8260
			Bromobenzene	<0.20	ug/L		0.2	0.5		12/05/99	LMG	8260
			Bromochloromethane	<0.30	ug/L		0.3	0.8		12/05/99	LMG	8260
			Bromodichloromethane	<0.20	ug/L		0.2	0.7		12/05/99	LMG	8260

WI DNR Lab Certification Number: 157066030 DATCP Certification Number: 289

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ANALYTICAL REPORT

ENVIRONMENTAL SAMPLING CORP.
FRANK PERUGINI
PO BOX 12
MUSKEGO, WI 53150

Customer #: LE0000000001
Work Order: 9911000740
Report Date: 12/28/99
Date Received: 11/24/99
Arrival Temperature: On Ice

Note: NONE

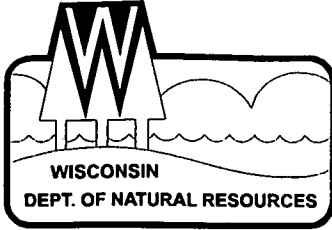
Project Name: REFUSE HDWY LF

Project Number:

Sample I.D. #:	Sample Description:	Date Sampled:	Result	Units	Qualifier	LOD	LOQ	Extracted	Analyzed	Analyst	Method
257253	PW-THESEAU	11/24/99									
Analyte											
Bromoform			<0.20	ug/L		0.2	0.5		12/05/99	LMG	8260
Bromomethane			<0.70	ug/L		0.7	2.3		12/05/99	LMG	8260
Carbon disulfide			<4.7	ug/L		4.7	16		12/05/99	LMG	8260
Carbon tetrachloride			<0.30	ug/L		0.3	1.0		12/05/99	LMG	8260
Chlorobenzene			<0.10	ug/L		0.1	0.3		12/05/99	LMG	8260
Chlorodibromomethane			<0.20	ug/L		0.2	0.7		12/05/99	LMG	8260
Chloroethane			<0.70	ug/L		0.7	2.3		12/05/99	LMG	8260
Chloroform			<0.20	ug/L		0.2	0.5		12/05/99	LMG	8260
Chloromethane			<0.50	ug/L		0.5	1.5		12/05/99	LMG	8260
cis-1,2-Dichloroethene			<0.20	ug/L		0.2	0.7		12/05/99	LMG	8260
cis-1,3-Dichloropropene			<0.10	ug/L		0.1	0.3		12/05/99	LMG	8260
Dibromomethane			<0.20	ug/L		0.2	0.7		12/05/99	LMG	8260
Dichlorodifluoromethane			<0.40	ug/L		0.4	1.2		12/05/99	LMG	8260
Diisopropyl Ether			<0.20	ug/L		0.2	0.7		12/05/99	LMG	8260
Ethylbenzene			<0.10	ug/L		0.1	0.4		12/05/99	LMG	8260
Hexachlorobutadiene			<0.20	ug/L		0.2	0.5		12/05/99	LMG	8260
Isopropylbenzene			<0.10	ug/L		0.1	0.4		12/05/99	LMG	8260
m & p-Xylene			<0.20	ug/L		0.2	0.6		12/05/99	LMG	8260
Methyl tert-butyl ether			<0.30	ug/L		0.3	0.9		12/05/99	LMG	8260
Methylene chloride			<0.40	ug/L		0.4	1.3		12/05/99	LMG	8260
n-Butylbenzene			<0.20	ug/L		0.2	0.5		12/05/99	LMG	8260
n-Propylbenzene			<0.10	ug/L		0.1	0.4		12/05/99	LMG	8260
Naphthalene			<0.40	ug/L		0.4	1.4		12/05/99	LMG	8260
o-Xylene			<0.20	ug/L		0.2	0.5		12/05/99	LMG	8260
p-Isopropyltoluene			<0.10	ug/L		0.1	0.4		12/05/99	LMG	8260
sec-Butylbenzene			<0.20	ug/L		0.2	0.5		12/05/99	LMG	8260
Styrene			<0.10	ug/L		0.1	0.4		12/05/99	LMG	8260
tert-Butylbenzene			<0.10	ug/L		0.1	0.3		12/05/99	LMG	8260
Tetrachloroethene			<0.20	ug/L		0.2	0.5		12/05/99	LMG	8260
Tetrahydrofuran			<2.5	ug/L		2.5	8.2		12/05/99	LMG	8260
Toluene			<0.20	ug/L		0.2	0.7		12/05/99	LMG	8260
trans-1,2-Dichloroethene			<0.20	ug/L		0.2	0.7		12/05/99	LMG	8260
trans-1,3-Dichloropropene			<0.20	ug/L		0.2	0.5		12/05/99	LMG	8260
Trichloroethene			<0.20	ug/L		0.2	0.6		12/05/99	LMG	8260
Trichlorofluoromethane			<0.60	ug/L		0.6	2.1		12/05/99	LMG	8260
Vinyl Chloride			<0.30	ug/L		0.3	1.1		12/05/99	LMG	8260

WI DNR Lab Certification Number: 157066030 DATCP Certification Number: 289

1230 Lange Court • Baraboo, WI 53913-3109 • email: fyi@ctienv.com
Phone: 608-356-2760 • Toll Free: 800-228-3012 • Fax: 608-356-2766 • www.cti-lab.com



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Tommy G. Thompson, Governor
George E. Meyer, Secretary
Ruthe E. Badger, Regional Director

South Central Region Headquarters
3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711-5397
Telephone 608-275-3266
FAX 608-275-3338
TDD 608-275-3231

March 24, 2000

Daniel & Patricia Sommers
7892 Deer Run Road
Cross Plains, WI 53528

File Ref: 113112010
Dane County

SUBJECT: Results of Drinking Water Quality Testing, November 1999

Dear Mr. and Ms. Sommers:

Drinking water samples were collected from your home in November 1999 by Environmental Sampling Corporation and submitted to the laboratory of Commonwealth Technology, Inc. for analysis. This testing was performed at the request of the Department of Natural Resources (DNR) as part of the groundwater monitoring associated with the Refuse Hideaway Landfill.

Your well water was tested for the presence of volatile organic compounds (VOCs). As you can see from the enclosed laboratory results sheet, no VOCs were detected in your well water. Therefore, it does not appear that the Refuse Hideaway Landfill or any other contaminant source has impacted the water quality of your well with VOC contamination at this time.

If you have any questions about our work at the landfill or the enclosed drinking water quality results, please contact me at the address listed above or you can also contact me as indicated below.

Sincerely,

Hank Kuehling, P.G.
Remediation and Redevelopment Hydrogeologist
(608) 275-3286
kuehlnh@dnr.state.wi.us

enclosure

cc: Dr. Henry Anderson - DHFS
Frank Perugini - ESC
DG/SCR

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Baraboo Laboratory Division

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ANALYTICAL REPORT

ENVIRONMENTAL SAMPLING CORP.
FRANK PERUGINI
PO BOX 12
MUSKEGO, WI 53150

Customer #: LE000000001
Work Order: 9911000740
Report Date: 12/28/99
Date Received: 11/24/99
Arrival Temperature: On Ice

Note: NONE

Project Name: REFUSE HDWY LF

Project Number:

Sample I.D. #:	Sample Description:	Date Sampled:	Result	Units	Qualifier	LOD	LOQ	Extracted	Analyzed	Analyst	Method
257259	PW-KNOCHE	11/24/99									
Analyte											
Methylene chloride			< 0.40	ug/L		0.4	1.3		12/05/99	LMG	8260
n-Butylbenzene			< 0.20	ug/L		0.2	0.5		12/05/99	LMG	8260
n-Propylbenzene			< 0.10	ug/L		0.1	0.4		12/05/99	LMG	8260
Naphthalene			< 0.40	ug/L		0.4	1.4		12/05/99	LMG	8260
o-Xylene			< 0.20	ug/L		0.2	0.5		12/05/99	LMG	8260
p-Isopropyltoluene			< 0.10	ug/L		0.1	0.4		12/05/99	LMG	8260
sec-Butylbenzene			< 0.20	ug/L		0.2	0.5		12/05/99	LMG	8260
Styrene			< 0.10	ug/L		0.1	0.4		12/05/99	LMG	8260
tert-Butylbenzene			< 0.10	ug/L		0.1	0.3		12/05/99	LMG	8260
Tetrachloroethene			< 0.20	ug/L		0.2	0.5		12/05/99	LMG	8260
Tetrahydrofuran			< 2.5	ug/L		2.5	8.2		12/05/99	LMG	8260
Toluene			< 0.20	ug/L		0.2	0.7		12/05/99	LMG	8260
trans-1,2-Dichloroethene			< 0.20	ug/L		0.2	0.7		12/05/99	LMG	8260
trans-1,3-Dichloropropene			< 0.20	ug/L		0.2	0.5		12/05/99	LMG	8260
Trichloroethene			< 0.20	ug/L		0.2	0.6		12/05/99	LMG	8260
Trichlorofluoromethane			< 0.60	ug/L		0.6	2.1		12/05/99	LMG	8260
Vinyl Chloride			< 0.30	ug/L		0.3	1.1		12/05/99	LMG	8260

Sample I.D. #:	Sample Description:	Date Sampled:	Result	Units	Qualifier	LOD	LOQ	Extracted	Analyzed	Analyst	Method
257260	PW-SOMMERS	11/24/99									
Analyte											
Analysis Date LRS Reporting			12/07/99								NR 507.26
1,1,1,2-Tetrachloroethane			< 0.20	ug/L		0.2	0.7		12/05/99	LMG	8260
1,1,1-Trichloroethane			< 1.0	ug/L		1.0	3.1		12/05/99	LMG	8260
1,1,2,2-Tetrachloroethane			< 0.20	ug/L		0.2	0.7		12/05/99	LMG	8260
1,1,2-Trichloroethane			< 0.30	ug/L		0.3	0.8		12/05/99	LMG	8260
1,1-Dichloroethane			< 0.20	ug/L		0.2	0.5		12/05/99	LMG	8260
1,1-Dichloroethene			< 0.70	ug/L		0.7	2.3		12/05/99	LMG	8260
1,1-Dichloropropene			< 0.20	ug/L		0.2	0.6		12/05/99	LMG	8260
1,2,3-Trichlorobenzene			< 0.20	ug/L		0.2	0.5		12/05/99	LMG	8260
1,2,3-Trichloropropane			< 0.30	ug/L		0.3	1.0		12/05/99	LMG	8260
1,2,4-Trichlorobenzene			< 0.20	ug/L		0.2	0.6		12/05/99	LMG	8260
1,2,4-Trimethylbenzene			< 0.20	ug/L		0.2	0.5		12/05/99	LMG	8260
1,2-Dibromo-3-chloropropane			< 0.30	ug/L		0.3	0.9		12/05/99	LMG	8260
1,2-Dibromoethane			< 0.20	ug/L		0.2	0.6		12/05/99	LMG	8260
1,2-Dichlorobenzene			< 0.10	ug/L		0.1	0.4		12/05/99	LMG	8260
1,2-Dichloroethane			< 0.20	ug/L		0.2	0.6		12/05/99	LMG	8260

WI DNR Lab Certification Number: 157066030 DATCP Certification Number: 289

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ANALYTICAL REPORT

ENVIRONMENTAL SAMPLING CORP.
FRANK PERUGINI
PO BOX 12
MUSKEGO, WI 53150

Customer #: LE0000000001
Work Order: 9911000740
Report Date: 12/28/99
Date Received: 11/24/99
Arrival Temperature: On Ice

Note: NONE

Project Name: REFUSE HOWY LF

Project Number:

Sample I.D. #:	Sample Description:	Date Sampled:	Result	Units	Qualifier	LOD	LOQ	Extracted	Analyzed	Analyst	Method
257260	PW-SOMMERS	11/24/99									
	Analyte										
	1,2-Dichloropropane		< 0.10	ug/L		0.1	0.4		12/05/99	LMG	8260
	1,3,5-Trimethylbenzene		< 0.10	ug/L		0.1	0.3		12/05/99	LMG	8260
	1,3-Dichlorobenzene		< 0.40	ug/L		0.4	1.3		12/05/99	LMG	8260
	1,3-Dichloropropane		< 0.10	ug/L		0.1	0.4		12/05/99	LMG	8260
	1,4-Dichlorobenzene		< 0.10	ug/L		0.1	0.3		12/05/99	LMG	8260
	2,2-Dichloropropane		< 0.20	ug/L		0.2	0.7		12/05/99	LMG	8260
	2-Butanone		< 3.3	ug/L		3.3	11		12/05/99	LMG	8260
	2-Chlorotoluene		< 0.10	ug/L		0.1	0.4		12/05/99	LMG	8260
	2-Hexanone		< 2.4	ug/L		2.4	7.9		12/05/99	LMG	8260
	4-Chlorotoluene		< 0.10	ug/L		0.1	0.4		12/05/99	LMG	8260
	4-Methyl-2-pentanone (MIBK)		< 1.8	ug/L		1.8	6.1		12/05/99	LMG	8260
	Acetone		< 8.0	ug/L		8.0	27		12/05/99	LMG	8260
	Benzene		< 0.10	ug/L		0.1	0.3		12/05/99	LMG	8260
	Bromobenzene		< 0.20	ug/L		0.2	0.5		12/05/99	LMG	8260
	Bromochloromethane		< 0.30	ug/L		0.3	0.8		12/05/99	LMG	8260
	Bromodichloromethane		< 0.20	ug/L		0.2	0.7		12/05/99	LMG	8260
	Bromoform		< 0.20	ug/L		0.2	0.5		12/05/99	LMG	8260
	Bromomethane		< 0.70	ug/L		0.7	2.3		12/05/99	LMG	8260
	Carbon disulfide		< 4.7	ug/L		4.7	16		12/05/99	LMG	8260
	Carbon tetrachloride		< 0.30	ug/L		0.3	1.0		12/05/99	LMG	8260
	Chlorobenzene		< 0.10	ug/L		0.1	0.3		12/05/99	LMG	8260
	Chlorodibromomethane		< 0.20	ug/L		0.2	0.7		12/05/99	LMG	8260
	Chloroethane		< 0.70	ug/L		0.7	2.3		12/05/99	LMG	8260
	Chloroform		< 0.20	ug/L		0.2	0.5		12/05/99	LMG	8260
	Chloromethane		< 0.50	ug/L		0.5	1.5		12/05/99	LMG	8260
	cis-1,2-Dichloroethene		< 0.20	ug/L		0.2	0.7		12/05/99	LMG	8260
	cis-1,3-Dichloropropene		< 0.10	ug/L		0.1	0.3		12/05/99	LMG	8260
	Dibromomethane		< 0.20	ug/L		0.2	0.7		12/05/99	LMG	8260
	Dichlorodifluoromethane		< 0.40	ug/L		0.4	1.2		12/05/99	LMG	8260
	Diisopropyl Ether		< 0.20	ug/L		0.2	0.7		12/05/99	LMG	8260
	Ethylbenzene		< 0.10	ug/L		0.1	0.4		12/05/99	LMG	8260
	Hexachlorobutadiene		< 0.20	ug/L		0.2	0.5		12/05/99	LMG	8260
	Isopropylbenzene		< 0.10	ug/L		0.1	0.4		12/05/99	LMG	8260
	m & p-Xylene		< 0.20	ug/L		0.2	0.6		12/05/99	LMG	8260
	Methyl tert-butyl ether		< 0.30	ug/L		0.3	0.9		12/05/99	LMG	8260
	Methylene chloride		< 0.40	ug/L		0.4	1.3		12/05/99	LMG	8260
	n-Butylbenzene		< 0.20	ug/L		0.2	0.5		12/05/99	LMG	8260
	n-Propylbenzene		< 0.10	ug/L		0.1	0.4		12/05/99	LMG	8260

WI DNR Lab Certification Number: 157066030 DATCP Certification Number: 289

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ANALYTICAL REPORT

ENVIRONMENTAL SAMPLING CORP.
FRANK PERUGINI
PO BOX 12
MUSKEGO, WI 53150

Customer #: LE000000001
Work Order: 9911000740
Report Date: 12/28/99
Date Received: 11/24/99
Arrival Temperature: On Ice

Note: NONE

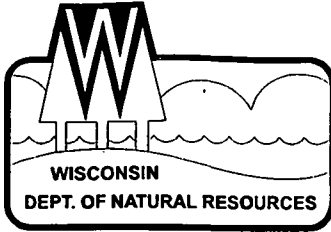
Project Name: REFUSE HDWY LF

Project Number:

Sample I.D. #:	Sample Description:	Date Sampled:	Result	Units	Qualifier	LOD	LOQ	Extracted	Analyzed	Analyst	Method
257260	PW-SOMMERS	11/24/99									
Analyte											
Naphthalene			< 0.40	ug/L		0.4	1.4		12/05/99	LMG	8260
o-Xylene			< 0.20	ug/L		0.2	0.5		12/05/99	LMG	8260
p-Isopropyltoluene			< 0.10	ug/L		0.1	0.4		12/05/99	LMG	8260
sec-Butylbenzene			< 0.20	ug/L		0.2	0.5		12/05/99	LMG	8260
Styrene			< 0.10	ug/L		0.1	0.4		12/05/99	LMG	8260
tert-Butylbenzene			< 0.10	ug/L		0.1	0.3		12/05/99	LMG	8260
Tetrachloroethene			< 0.20	ug/L		0.2	0.5		12/05/99	LMG	8260
Tetrahydrofuran			< 2.5	ug/L		2.5	8.2		12/05/99	LMG	8260
Toluene			< 0.20	ug/L		0.2	0.7		12/05/99	LMG	8260
trans-1,2-Dichloroethene			< 0.20	ug/L		0.2	0.7		12/05/99	LMG	8260
trans-1,3-Dichloropropene			< 0.20	ug/L		0.2	0.5		12/05/99	LMG	8260
Trichloroethene			< 0.20	ug/L		0.2	0.6		12/05/99	LMG	8260
Trichlorofluoromethane			< 0.60	ug/L		0.6	2.1		12/05/99	LMG	8260
Vinyl Chloride			< 0.30	ug/L		0.3	1.1		12/05/99	LMG	8260

Reviewed By: *HGC*

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WI ONS Lab Certification Number: 157066039 • EPA Identification Number: 289 fyi@ctienv.com



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Tommy G. Thompson, Governor
George E. Meyer, Secretary
Ruthe E. Badger, Regional Director

South Central Region Headquarters
3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711-5397
Telephone 608-275-3266
FAX 608-275-3338
TDD 608-275-3231

March 24, 2000

Mr. Jerry Wagner
7902 USH 14
Cross Plains, WI 53528

File Ref: 113112010
Dane County

SUBJECT: Results of Drinking Water Quality Testing, November 1999

Dear Mr. Wagner:

Drinking water samples were collected from your home in November 1999 by Environmental Sampling Corporation and submitted to the laboratory of Commonwealth Technology, Inc. for analysis. This testing was performed at the request of the Department of Natural Resources (DNR) as part of the groundwater monitoring associated with the Refuse Hideaway Landfill.

Your well water was tested for the presence of volatile organic compounds (VOCs). As you can see from the enclosed laboratory results sheet, no VOCs were detected in your well water. Therefore, it does not appear that the Refuse Hideaway Landfill or any other contaminant source has impacted the water quality of your well with VOC contamination at this time.

If you have any questions about our work at the landfill or the enclosed drinking water quality results, please contact me at the address listed above or you can also contact me as indicated below.

Sincerely,

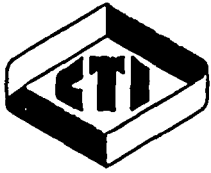
Hank Kuehling, P.G.
Remediation and Redevelopment Hydrogeologist
(608) 275-3286
kuehlnh@dnr.state.wi.us

enclosure

cc: Dr. Henry Anderson - DHFS
Frank Perugini - ESC
DG/SCR

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ANALYTICAL REPORT

ENVIRONMENTAL SAMPLING CORP.
FRANK PERUGINI
PO BOX 12
MUSKEGO, WI 53150

Customer #: LE0000000001
Work Order: 9911000740
Report Date: 12/28/99
Date Received: 11/24/99
Arrival Temperature: On Ice

Note: NONE

Project Name: REFUSE HDWY LF

Project Number:

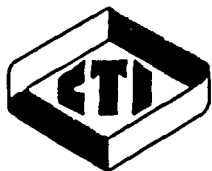
Sample I.D. #:	Sample Description:	Date Sampled:								
257248	FB-01	11/22/99								
Analyte	Result	Units	Qualifier	LOD	LOQ	Extracted	Analyzed	Analyst	Method	
Methyl tert-butyl ether	<0.30	ug/L		0.3	0.9		12/06/99	LMG	8260	
Methylene chloride	<0.40	ug/L		0.4	1.3		12/06/99	LMG	8260	
n-Butylbenzene	<0.20	ug/L		0.2	0.5		12/06/99	LMG	8260	
n-Propylbenzene	<0.10	ug/L		0.1	0.4		12/06/99	LMG	8260	
Naphthalene	<0.40	ug/L		0.4	1.4		12/06/99	LMG	8260	
o-Xylene	<0.20	ug/L		0.2	0.5		12/06/99	LMG	8260	
p-Isopropyltoluene	<0.10	ug/L		0.1	0.4		12/06/99	LMG	8260	
sec-Butylbenzene	<0.20	ug/L		0.2	0.5		12/06/99	LMG	8260	
Styrene	<0.10	ug/L		0.1	0.4		12/06/99	LMG	8260	
tert-Butylbenzene	<0.10	ug/L		0.1	0.3		12/06/99	LMG	8260	
Tetrachloroethene	<0.20	ug/L		0.2	0.5		12/06/99	LMG	8260	
Tetrahydrofuran	<2.5	ug/L		2.5	8.2		12/06/99	LMG	8260	
Toluene	0.20	ug/L	J	0.2	0.7		12/06/99	LMG	8260	
trans-1,2-Dichloroethene	<0.20	ug/L		0.2	0.7		12/06/99	LMG	8260	
trans-1,3-Dichloropropene	<0.20	ug/L		0.2	0.5		12/06/99	LMG	8260	
Trichloroethene	<0.20	ug/L		0.2	0.6		12/06/99	LMG	8260	
Trichlorofluoromethane	<0.60	ug/L		0.6	2.1		12/06/99	LMG	8260	
Vinyl Chloride	<0.30	ug/L		0.3	1.1		12/06/99	LMG	8260	

Sample I.D. #:	Sample Description:	Date Sampled:								
257249	PW-WAGNER	11/24/99								
Analyte	Result	Units	Qualifier	LOD	LOQ	Extracted	Analyzed	Analyst	Method	
1,1,1,2-Tetrachloroethane	<0.20	ug/L		0.2	0.7		12/06/99	LMG	8260	
1,1,1-Trichloroethane	<1.0	ug/L		1.0	3.1		12/06/99	LMG	8260	
1,1,1,2,2-Tetrachloroethane	<0.20	ug/L		0.2	0.7		12/06/99	LMG	8260	
1,1,2-Trichloroethane	<0.30	ug/L		0.3	0.8		12/06/99	LMG	8260	
1,1-Dichloroethane	<0.20	ug/L		0.2	0.5		12/06/99	LMG	8260	
1,1-Dichloroethene	<0.70	ug/L		0.7	2.3		12/06/99	LMG	8260	
1,1-Dichloropropene	<0.20	ug/L		0.2	0.6		12/06/99	LMG	8260	
1,2,3-Trichlorobenzene	<0.20	ug/L		0.2	0.5		12/06/99	LMG	8260	
1,2,3-Trichloropropane	<0.30	ug/L		0.3	1.0		12/06/99	LMG	8260	
1,2,4-Trichlorobenzene	<0.20	ug/L		0.2	0.6		12/06/99	LMG	8260	
1,2,4-Trimethylbenzene	<0.20	ug/L		0.2	0.5		12/06/99	LMG	8260	
1,2-Dibromo-3-chloropropane	<0.30	ug/L		0.3	0.9		12/06/99	LMG	8260	
1,2-Dibromoethane	<0.20	ug/L		0.2	0.6		12/06/99	LMG	8260	
1,2-Dichlorobenzene	<0.10	ug/L		0.1	0.4		12/06/99	LMG	8260	
1,2-Dichloroethane	<0.20	ug/L		0.2	0.6		12/06/99	LMG	8260	

WI DNR Lab Certification Number: 157066030 DATCP Certification Number: 289

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Page:47

ANALYTICAL REPORT

ENVIRONMENTAL SAMPLING CORP.
FRANK PERUGINI
PO BOX 12
MUSKEGO, WI 53150

Customer #: LE0000000001
Work Order: 9911000740
Report Date: 12/28/99
Date Received: 11/24/99
Arrival Temperature: On Ice

Note: NONE

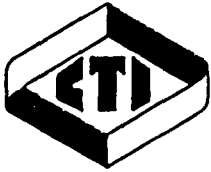
Project Name: REFUSE HDWY LF

Project Number:

Sample I.D. #:	Sample Description:	Date Sampled:	Result	Units	Qualifier	LOD	LOQ	Extracted	Analyzed	Analyst	Method
257249	PW-WAGNER	11/24/99	<0.10	ug/L		0.1	0.4		12/06/99	LMG	8260
			<0.10	ug/L		0.1	0.3		12/06/99	LMG	8260
			<0.40	ug/L		0.4	1.3		12/06/99	LMG	8260
			<0.10	ug/L		0.1	0.4		12/06/99	LMG	8260
			<0.10	ug/L		0.1	0.3		12/06/99	LMG	8260
			<0.20	ug/L		0.2	0.7		12/06/99	LMG	8260
			<3.3	ug/L		3.3	11		12/06/99	LMG	8260
			<0.10	ug/L		0.1	0.4		12/06/99	LMG	8260
			<2.4	ug/L		2.4	7.9		12/06/99	LMG	8260
			<0.10	ug/L		0.1	0.4		12/06/99	LMG	8260
			<1.8	ug/L		1.8	6.1		12/06/99	LMG	8260
			<8.0	ug/L		8.0	27		12/06/99	LMG	8260
			<0.10	ug/L		0.1	0.3		12/06/99	LMG	8260
			<0.20	ug/L		0.2	0.5		12/06/99	LMG	8260
			<0.30	ug/L		0.3	0.8		12/06/99	LMG	8260
			<0.20	ug/L		0.2	0.7		12/06/99	LMG	8260
			<0.20	ug/L		0.2	0.5		12/06/99	LMG	8260
			<0.70	ug/L		0.7	2.3		12/06/99	LMG	8260
			<4.7	ug/L		4.7	16		12/06/99	LMG	8260
			<0.30	ug/L		0.3	1.0		12/06/99	LMG	8260
			<0.10	ug/L		0.1	0.3		12/06/99	LMG	8260
			<0.20	ug/L		0.2	0.7		12/06/99	LMG	8260
			<0.70	ug/L		0.7	2.3		12/06/99	LMG	8260
			<0.20	ug/L		0.2	0.5		12/06/99	LMG	8260
			<0.50	ug/L		0.5	1.5		12/06/99	LMG	8260
			<0.20	ug/L		0.2	0.7		12/06/99	LMG	8260
			<0.10	ug/L		0.1	0.3		12/06/99	LMG	8260
			<0.20	ug/L		0.2	0.7		12/06/99	LMG	8260
			<0.40	ug/L		0.4	1.2		12/06/99	LMG	8260
			<0.20	ug/L		0.2	0.7		12/06/99	LMG	8260
			<0.10	ug/L		0.1	0.4		12/06/99	LMG	8260
			<0.20	ug/L		0.2	0.6		12/06/99	LMG	8260
			<0.30	ug/L		0.3	0.9		12/06/99	LMG	8260
			<0.40	ug/L		0.4	1.3		12/06/99	LMG	8260
			<0.20	ug/L		0.2	0.5		12/06/99	LMG	8260
			<0.10	ug/L		0.1	0.4		12/06/99	LMG	8260

WI DNR Lab Certification Number: 157066030 DATCP Certification Number: 289

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ANALYTICAL REPORT

ENVIRONMENTAL SAMPLING CORP.
FRANK PERUGINI
PO BOX 12
MUSKEGO, WI 53150

Customer #: LE0000000001
Work Order: 9911000740
Report Date: 12/28/99
Date Received: 11/24/99
Arrival Temperature: On Ice

Note: NONE

Project Name: REFUSE HDWY LF

Project Number:

Sample I.D. #:	Sample Description:	Date Sampled:							
257249	PW-WAGNER	11/24/99							
Analyte	Result	Units	Qualifier	LOD	LOQ	Extracted	Analyzed	Analyst	Method
Naphthalene	< 0.40	ug/L		0.4	1.4		12/06/99	LMG	8260
o-Xylene	< 0.20	ug/L		0.2	0.5		12/06/99	LMG	8260
p-Isopropyltoluene	< 0.10	ug/L		0.1	0.4		12/06/99	LMG	8260
sec-Butylbenzene	< 0.20	ug/L		0.2	0.5		12/06/99	LMG	8260
Styrene	< 0.10	ug/L		0.1	0.4		12/06/99	LMG	8260
tert-Butylbenzene	< 0.10	ug/L		0.1	0.3		12/06/99	LMG	8260
Tetrachloroethene	< 0.20	ug/L		0.2	0.5		12/06/99	LMG	8260
Tetrahydrofuran	< 2.5	ug/L		2.5	8.2		12/06/99	LMG	8260
Toluene	< 0.20	ug/L		0.2	0.7		12/06/99	LMG	8260
trans-1,2-Dichloroethene	< 0.20	ug/L		0.2	0.7		12/06/99	LMG	8260
trans-1,3-Dichloropropene	< 0.20	ug/L		0.2	0.5		12/06/99	LMG	8260
Trichloroethene	< 0.20	ug/L		0.2	0.6		12/06/99	LMG	8260
Trichlorofluoromethane	< 0.60	ug/L		0.6	2.1		12/06/99	LMG	8260
Vinyl Chloride	< 0.30	ug/L		0.3	1.1		12/06/99	LMG	8260

Sample I.D. #:	Sample Description:	Date Sampled:							
257250	PW-SATHER	11/24/99							
Analyte	Result	Units	Qualifier	LOD	LOQ	Extracted	Analyzed	Analyst	Method
1,1,1,2-Tetrachloroethane	< 0.20	ug/L		0.2	0.7		12/06/99	LMG	8260
1,1,1-Trichloroethane	< 1.0	ug/L		1.0	3.1		12/06/99	LMG	8260
1,1,2,2-Tetrachloroethane	< 0.20	ug/L		0.2	0.7		12/06/99	LMG	8260
1,1,2-Trichloroethane	< 0.30	ug/L		0.3	0.8		12/06/99	LMG	8260
1,1-Dichloroethane	< 0.20	ug/L		0.2	0.5		12/06/99	LMG	8260
1,1-Dichloroethene	< 0.70	ug/L		0.7	2.3		12/06/99	LMG	8260
1,1-Dichloropropene	< 0.20	ug/L		0.2	0.6		12/06/99	LMG	8260
1,2,3-Trichlorobenzene	< 0.20	ug/L		0.2	0.5		12/06/99	LMG	8260
1,2,3-Trichloropropane	< 0.30	ug/L		0.3	1.0		12/06/99	LMG	8260
1,2,4-Trichlorobenzene	< 0.20	ug/L		0.2	0.6		12/06/99	LMG	8260
1,2,4-Trimethylbenzene	< 0.20	ug/L		0.2	0.5		12/06/99	LMG	8260
1,2-Dibromo-3-chloropropane	< 0.30	ug/L		0.3	0.9		12/06/99	LMG	8260
1,2-Dibromoethane	< 0.20	ug/L		0.2	0.6		12/06/99	LMG	8260
1,2-Dichlorobenzene	< 0.10	ug/L		0.1	0.4		12/06/99	LMG	8260
1,2-Dichloroethane	< 0.20	ug/L		0.2	0.6		12/06/99	LMG	8260
1,2-Dichloropropane	< 0.10	ug/L		0.1	0.4		12/06/99	LMG	8260
1,3,5-Trimethylbenzene	< 0.10	ug/L		0.1	0.3		12/06/99	LMG	8260
1,3-Dichlorobenzene	< 0.40	ug/L		0.4	1.3		12/06/99	LMG	8260
1,3-Dichloropropane	< 0.10	ug/L		0.1	0.4		12/06/99	LMG	8260

WI DNR Lab Certification Number: 157066030 DATCP Certification Number: 289

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FROM: Department of Justice
Environment and Natural Resources Division
Environmental Enforcement Section
P.O. Box 7611
Washington, D.C. 20044

Fax No. (202) 616-6584
Voice No. (202) 616-6552

SENT BY: Frank Biros, Trial Attorney
via Tanya M. Hill

TO: Frank D. Remington, Esq.

FAX No. (608) 267-2223

NUMBER OF PAGES SENT (INCLUDING COVER PAGE): 13

SPECIAL INSTRUCTIONS:

**U.S. Department of Justice****Environment and Natural Resources Division**

Environmental Enforcement Section
P.O. Box 7611
Washington, DC 20044-7611

Direct Dial: 202.616.6552
Facsimile: 202.616.6584

March 28, 2000

Via FACSIMILE and REGULAR MAIL
Recipients Listed On Attached Service List

**Re: Refuse Hideaway Superfund Site
Middleton, Wisconsin
Tolling Agreement**

Dear Ladies and Gentlemen:

I have replaced Karen Torrent from the U.S. Department of Justice as counsel for the United States in the above-referenced matter. Ms. Torrent corresponded with you previously regarding the Tolling Agreement in this case.

As you know, the current Tolling Agreement entered into between you and the United States is set to expire on April 16, 2000. Since the Remedial Design and Statement of Work are completed, and the U.S. Environmental Protection Agency will soon issue Special Notice letters, the parties will need additional time to negotiate and approve the terms of any settlement for Remedial Action at the Site. The United States is recommending that the Tolling Agreement be extended for an additional nine months. Accordingly, attached please find a Third Tolling Agreement extending the tolling period to January 16, 2001. Should you wish to join in the extension of the Tolling Agreement, please execute the signature page and return an original signature page to my attention so that it is received in my office by close of business on April 12, 2000. Also, please fax a copy of the signature page to me at 202.616.6584.

Thank you for your cooperation and attention to this matter. If you have any questions regarding this matter, please feel free to contact me.

Sincerely,

A handwritten signature in cursive script that reads "Francis J. Biros".

Francis J. Biros
Trial Attorney

Enclosure: Third Tolling Agreement

cc: Jacqueline Kline, ORC, EPA Region 5

**THIRD TOLLING AGREEMENT
REFUSE HIDEAWAY LANDELL SUPERFUND SITE**

This Third Tolling Agreement is made and entered into this 14th day of April, 2000 by and between the United States of America (hereinafter the "United States") and the Negotiating Potentially Responsible Parties (Negotiating PRPs).

WHEREAS, on April 16, 1998, the parties entered into the first tolling agreement for the period of one year to April 16, 1999.

WHEREAS, on April 16, 1999, the parties entered into the second tolling agreement for the period of one year to April 16, 2000, and desire to extend the tolling period for an additional nine months.

WHEREAS, the United States, on behalf of the United States Environmental Protection Agency contends that it has a cause of action against the Negotiating PRPs, pursuant to the Comprehensive Environmental Response, Compensation, and Liability Act ("CERCLA"), 42 U.S.C. § § 9601 through 9675, to reimburse the United States for costs incurred in connection with response actions taken at the Refuse Hideaway Landfill Site (the "Site"), located in Middleton, Wisconsin. The United States presently intends to file a complaint in the United States District Court for the Western District of Wisconsin with respect to the alleged cause of action for, at a minimum, reimbursement of response costs incurred in connection with response actions taken at the Site.

WHEREAS, the parties to this Tolling Agreement desire to eliminate the need for, or to defer, any litigation of CERCLA claims relating to the Site without thereby altering the claims or defenses available to any party hereto, except as specifically provided herein.

WHEREAS, the parties enter into this Tolling Agreement to provide time to conduct good faith negotiations and, if appropriate, enter into an agreement that may resolve certain controversies between the parties.

NOW THEREFORE, the United States and the Negotiating PRPs stipulate and agree as follows:

1. The Parties agree that, subject to the provisions of paragraph 6, the period commencing on April 16, 1998, and ending on January 16, 2001, inclusive ("the Tolling Period"), will not be included in computing the running of any statute of limitations applicable to any action brought by the United States pursuant to CERCLA for costs incurred in connection with response actions taken at the Site ("Tolled Claims").
2. The Parties further agree that any defenses or claims asserting laches, estoppel, waiver, or other similar equitable defenses based upon the running or expiration of any time period shall not include the Tolling Period for the Tolled Claims.
3. The Negotiating Parties agree not to assert, plead or raise in any fashion, whether

by answer, motion or otherwise, in any action with respect to the Tolloed Claims that the United States may initiate, any defense or avoidance based on the running of any statute of limitations during the Tolling Period, and the statute of limitations shall be tolled during, and for, such period.

4. This Tolling Agreement does not constitute any admission or acknowledgment of any fact, conclusion of law, or liability by any party to this Tolling Agreement. Nor does this Tolling Agreement constitute any admission or acknowledgment on the part of the United States that any statute of limitations, or similar defense concerning the timeliness of commencing a civil action, is applicable to the Tolloed Claims.

5. This Tolling Agreement contains the entire agreement between the Negotiating PRPs, and no statement, promise, or inducement made by any party to this Tolling Agreement that is not set forth in writing in this Tolling Agreement will be valid or binding. This Tolling Agreement may not be modified except in writing signed by all Negotiating PRPs and endorsed herein.

6. It is understood that the United States may terminate settlement negotiations and commence suit at any time upon notice to the Negotiating PRPs.

7. The undersigned representative of each of the Parties certifies that he or she is fully authorized to enter into the terms and conditions of this Tolling Agreement and to legally bind such party to all terms and conditions of this document.

8. This Tolling Agreement is intended to be executed on separate signature pages.

**THIRD TOLLING AGREEMENT
REFUSE HIDEAWAY LANDFILL SUPERFUND SITE**

The United States, on behalf of the United States Environmental Protection Agency consents to the terms and conditions of this Third Tolling Agreement for the Refuse Hideaway Landfill Superfund Site by its duly authorized representative on this 14th day of April 2000.

By:

W. BENJAMIN FISHEROW

Assistant Chief

Environmental Enforcement Section

Environment and Natural Resources Division

United States Department of Justice

P.O. Box 7611

Ben Franklin Station

Washington, D.C. 20044-7611

**TOLLING AGREEMENT
REFUSE HIDEAWAY LANDELL SITE**

The authorized representative of _____ consents to the terms and conditions of this Third Tolling Agreement for the Refuse Hideaway Landfill Superfund Site on this _____ day of April 2000.

NAME

SIGNATURE

TITLE

**REFUSE HIDEAWAY LANDFILL
SERVICE LIST**

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PO Box 2236
Madison, WI 53701-2236

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Michael Best & Friedrich
One South Pinckney Street
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Michael Best & Friedrich
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Waste Management, Inc.
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25425 Center Ridge Road
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**State of Wisconsin
Frank D. Remington, Esq.
Assistant Attorney General
Department of Justice
123 West Washington Ave.
P. O. Box 7857
Madison, WI 53707-7857**

SCS FIELD SERVICES, INC.

April 6, 2000
File No. 07197026.00

Mr. Paul H. Nehm
Director of Operations and Maintenance
Madison Metropolitan Sewerage District
1610 Moorland Road
Madison, WI 53713

COPY

Subject: Results of Leachate Analysis - Refuse Hideaway Landfill, Permit NTO-5F

Dear Mr. Nehm:

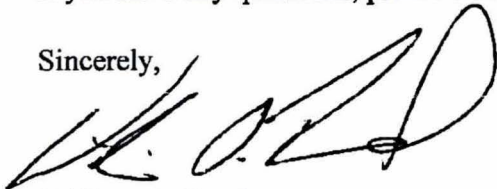
On behalf of our client, the Wisconsin Department of Natural Resources, SCS Field Services, Inc. hereby submits the laboratory analytical results of a leachate sample collected from the subject site. All analyzed compounds are below the effluent limitations contained in the site's discharge permit.

The sample was collected on January 17, 2000, and received by the laboratory on January 18, 2000. A copy of the analysis is attached.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations.

If you have any questions, please feel free to contact me at (512) 708-1557.

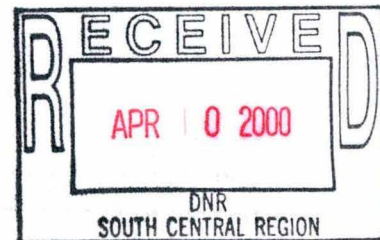
Sincerely,



William O. Reed
Regional Manager
SCS FIELD SERVICES, INC.

WOR:bms
Enclosure

cc: Harlan Kuehling, P.G. - WDNR





ANALYTICAL REPORT

ENVIRONMENTAL SAMPLING CORP.
FRANK PERUGINI
PO BOX 12
MUSKEGO, WI 53150

1 of 1
Project Name: REFUSE HIDEAWAY
Contract #: 552
Project #:
Folder #: 1365
Purchase Order:
Arrival Temperature: ON ICE
Report Date: 01/24/2000
Date Received: 01/18/2000

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analyzed Date	Analyst	Method
Sample #:	4211	Sample Description:	LEACHATE TANK				DNR License/Well #:	01953/190	Sampled:	01/17/2000

Inorganic Results

Qualifiers applying to all Analytes of Method EPA 335.4: V

Total Cyanide	18.6	ug/L	10 *	26	2		1/20/00	01/21/2000	JDC	EPA 335.4
Total Hexavalent Chromium	421	ug/L	30	110	10	M		01/18/2000	MMC	7196

Metals Results

Total Cadmium	0.40	ug/L	0.14 *	0.46	1		1/19/00	01/20/2000	NAH	6010
Total Chromium	32.8	ug/L	0.73	2.4	1		1/19/00	01/20/2000	NAH	6010
Total Copper	3.5	ug/L	1.1	3.5	1		1/19/00	01/20/2000	NAH	6010
Total Lead	<2.7	ug/L	2.7	9.1	1		1/19/00	01/20/2000	NAH	6010
Total Nickel	114	ug/L	2.6	8.6	1	M	1/19/00	01/20/2000	NAH	6010
Total Selenium	<6.0	ug/L	6.0	20.0	1		1/19/00	01/20/2000	NAH	6010
Total Silver	<0.51	ug/L	0.51	1.7	1		1/19/00	01/20/2000	NAH	6010
Total Zinc	14.4	ug/L	0.90	3.0	1		1/19/00	01/20/2000	NAH	6010
Total Mercury	<0.16	ug/L	0.16	0.54	1	M		01/20/2000	JMP	7470

Notes: * Indicates Value in between LOD and LOQ.

**All samples were received intact and properly preserved unless otherwise noted.
The results reported relate only to the samples tested.
This report shall not be reproduced except in full, without written approval of this laboratory.**

Submitted by: 

Record Reviewer

WI DNR Lab Certification Number: 157066030
DATCP Certification Number: 289

Solid sample results reported on a Dry Weight Basis

SCS FIELD SERVICES, INC.

May 10, 2000
File No. 07197026.00

COPY

Mr. Paul H. Nehm
Director of Operations and Maintenance
Madison Metropolitan Sewerage District
1610 Moorland Road
Madison, WI 53713

Subject: Results of Leachate Analysis - Refuse Hideaway Landfill, Permit NTO-5F

Dear Mr. Nehm:

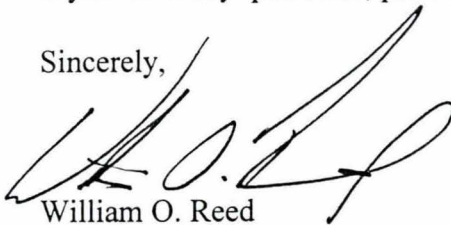
On behalf of our client, the Wisconsin Department of Natural Resources, SCS Field Services, Inc. hereby submits the laboratory analytical results of a leachate sample collected from the subject site. All analyzed compounds are below the effluent limitations contained in the site's discharge permit.

The sample was collected on March 20, 2000, and received by the laboratory the same day. Copies of the analysis and chain of custody are attached.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations.

If you have any questions, please feel free to contact me at (512) 708-1557.

Sincerely,



William O. Reed
Regional Manager
SCS FIELD SERVICES, INC.

WOR:bms
Enclosure

cc: Harlan Kuehling, P.G. - WDNR





ANALYTICAL REPORT

1 of 1

ENVIRONMENTAL SAMPLING CORP.
FRANK PERUGINI
PO BOX 12
MUSKEGO, WI 53150

Project Name: REFUSE HIDEAWAY
Contract #: 552
Project #:
Folder #: 3100
Purchase Order #:
Arrival Temperature Deg. C: ON ICE
Report Date: 03/31/2000
Date Received: 03/20/2000

CTI LAB#:	9341	Sample Description:	COLL. TANK	DNR License/Well #:	01953/190	Sampled:	03/20/2000
-----------	------	---------------------	------------	---------------------	-----------	----------	------------

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
Inorganic Results										
Total Cyanide	11.9	ug/L	9 *	30	1	M	3/28/00	03/29/2000	KJF	EPA 335.4
Total Hexavalent Chromium	127	ug/L	4	14	1	M		03/27/2000	KJF	EPA 7196A
Metals Results										
Total Cadmium	0.59	ug/L	0.14	0.46	1		3/21/00	03/21/2000	RDW	EPA 6010
Total Chromium	32.1	ug/L	0.73	2.4	1		3/21/00	03/21/2000	RDW	EPA 6010
Total Copper	6.3	ug/L	1.1	3.5	1	B	3/21/00	03/21/2000	RDW	EPA 6010
Total Lead	<2.7	ug/L	2.7	9.1	1		3/21/00	03/21/2000	RDW	EPA 6010
Total Nickel	108	ug/L	2.6	8.6	1		3/21/00	03/21/2000	RDW	EPA 6010
Total Selenium	<6.0	ug/L	6.0	20.0	1		3/21/00	03/21/2000	RDW	EPA 6010
Total Silver	<0.51	ug/L	0.51	1.7	1		3/21/00	03/21/2000	RDW	EPA 6010
Total Zinc	30.6	ug/L	0.90	3.0	1		3/21/00	03/21/2000	RDW	EPA 6010
Total Mercury	<0.16	ug/L	0.16	0.54	1		3/29/00	03/30/2000	RDW	EPA 7470

Notes: * Indicates Value in between LOD and LOQ.

All samples were received intact and properly preserved unless otherwise noted. The results reported relate only to the samples tested. This report shall not be reproduced, except in full, without written approval of this laboratory. The Chain of Custody is attached.

Submitted by: PML
Record Reviewer

QC Qualifiers

<u>Code</u>	<u>Description</u>
B	Analyte detected in associated Method Blank.
E	Safe, No Total Coliform detected.
F	Unsafe, Total Coliform detected, no E. Coli detected.
G	Unsafe, Total Coliform detected and E. Coli detected.
H	Holding time exceeded.
L	Significant peaks were detected outside the chromatographic window.
M	Matrix Spike and/or Matrix Spike Duplicate recovery outside acceptance limits.
N	Insufficient BOD oxygen depletion.
O	Complete BOD oxygen depletion.
P	Toxicity present in BOD sample.
Q	Laboratory Control Sample outside acceptance limits.
S	Surrogate and/or internal standard recovery outside acceptance limits due to apparent matrix effects.
T	Sample received with improper preservation or temperature.
V	Raised Quantitation or Reporting Limit due to limited sample amount or dilution for matrix/background interference.
W	Sample amount received was below program minimum.
Y	Replicate/Duplicate precision outside acceptance limits.
Z	Calibration criteria exceeded.

WI DNR Lab Certification Number: 157066030
DATCP Certification Number: 289

MADISON METROPOLITAN SEWERAGE DISTRICT

1610 Moorland Road
Madison, WI 53713-3398
Telephone (608) 222-1201
Fax (608) 222-2703

James L. Nemke
Chief Engineer & Director



COMMISSIONERS

Edward V. Schten
President
Thomas D. Hovel
Vice President
P. Mac Berthouex
Secretary
Caryl E. Terrell
Commissioner
Scott McCormick
Commissioner

June 19, 2000
Mr. William O. Reed
SCS Field Services, Inc.
823 Congress Avenue, Suite 1505
Austin, TX 78701-2429

Dear Mr. Reed:

Based on a telephone call from Frank Perugini of ESC, Inc. I reviewed the analytical data you provided for the leachate from the Refuse Hideaway Landfill for the last three years. Frank had asked if there was a possibility that he could discontinue analyzing for pesticides, herbicides, and semi-volatile organic compounds. Since the data showed that these compounds have not been measured above their detection limits for this time period, I agree with Frank that there is no need to continue the analysis. If at a future date there would be some indication that the concentrations of these parameters could have possibly risen, we may require an analysis at that time.

This letter is authorization to discontinue the pesticide, herbicide, and SVOC analyses. The permit we have issued for this facility expires on November 17, 2000. When the permit is reissued, we will remove the requirement for these analyses.

Sincerely,

Paul H. Nehm
Director of Operations and Maintenance

cc: Frank Perugini, ESC
Hank Kuehling, DNR
Ralph Erickson, MMSD

*MMSD called me to let
me know about the
request on June 20, 2000.
A.K.*



Johnson, Deborah D - DNR Legal

From: Joestgen, Thomas
Sent: Friday, June 30, 2000 3:18 PM
To: Johnson, Deborah D - DNR Legal
Cc: Graf, Jennifer L
Subject: FW: Refuse Hideaway Landfill - 6/23/00 EPA/PRP Meeting Summary

FYI

From: Laszewski, Lynn
Sent: Friday, June 30, 2000 10:22 AM
To: Remington, Frank D.; Roth, Gerald; hagemaj@dnr.state.wi.us; henry.cuthbert@mail.admin.wisc.edu; Jacobson, Jon; McMillan, Jim; joestt@dnr.state.wi.us; kathleen.irwin@mail.admin.wisc.edu; Gehrman, Kevin; Nelson, James M. DOC; Peter REINHARDT; pkandziora@ccmail.uwsa.edu; Boeding, Rollie; stewam@dnr.state.wi.us; Becker, Sue
Subject: FW: Refuse Hideaway Landfill - 6/23/00 EPA/PRP Meeting Summary

Here is a forwarded message from Frank Remington on the Refuse Hideaway Landfill.

Lynn

> -----Original Message-----

> From: Remington, Frank D.
> Sent: Thursday, June 29, 2000 10:45 AM
> To: Boeding, Rollie; Laszewski, Lynn
> Cc: Peterson, Philip
> Subject: FW: Refuse Hideaway Landfill - 6/23/00 EPA/PRP Meeting
> Summary

> Dear Rollie and Lynn:

> I am sorry that I was unable to attend the last meeting. I have
> been in trial in Wausau since Monday. I had spoken with a couple of
> people about the meeting we had with the EPA. I did not want the agencies
> coming to that meeting as I believed it was important to send the clear
> message that the State is one entity and that our office represents all
> the agencies, including the DNR. I also knew, and it was confirmed at the
> meeting, that the State, through the environmental fund, has paid more
> money than what under the worst case scenario, the State would owe.
> Therefore, we are not presented with a situation in which the State, or
> any of its agencies, will have to pay more money. (With one exception, as
> shown below, the DNR has agreed to assume the long-term oversight and
> maintenance at the site which will cost over a million dollars).

> I think it is important to keep everyone informed and I apologize
> that the press of business has not prevented me from doing more sooner.
> To everyone who receives this message, please feel free to call me to
> discuss these issues in detail.

> I think the attached e-mails clearly explain what was done and what
> remains to be done. There are still some unanswered questions that we
> will continue to work toward.

> Some agencies might want to know whether their individual shares are
> set. We have made the decision not to argue the interpretation about the
> data concerning volume because, at this point, there have been made no
> adjustments for toxicity. I have said that arguing lower volumes is like
> squeezing a balloon. If we claim lower amounts, we will be hit with a
> toxicity enhancement. The volumetric ranking and allocation is imperfect,
> but it is an acceptable point of departure for beginning the negotiation
> toward a final resolution.

> Again, I apologize that I was unavailable for the last meeting. I
> have addressed this message to you two only because I do not have the
> addresses of the other people interested (and my computer literacy
> precludes me from figuring out how to do it myself). Would one of you
> please forward this message on to the committeemembers and all other
> interested people. Thank you.
>
> Frank Remington
> 266-3542
>
> -----Original Message-----
> From: Kuehling, Harlan H
> Sent: Wednesday, June 28, 2000 8:48 AM
> To: Johnson, Deborah D - DNR Legal; Remington, Frank D.; Giesfeldt, Mark
> F; Gordon, Mark E; Sanford, Renee M; Peterson, Philip
> Cc: Miller, Michelle L.
> Subject: RE: Refuse Hideaway Landfill - 6/23/00 EPA/PRP Meeting
> Summary
>
> Thanks for the additions, Phil. I am available both on July 5 and 7.
> I'll be at the Bureau later this morning and will work to set something up
> and get back to you. Mark Gordon will be gone next week, but, if I don't
> see any of the rest of you today, let me know, by tomorrow morning, if you
> are available on either 7/5 or 7/7 or both for a RHL meeting. I will also
> begin the process of coming up with long-term O&M costs.
>
> Gotta go.
>
> Hank
>
>
> -----
> From: Peterson, Philip
> Sent: Tuesday, June 27, 2000 3:38 PM
> To: Kuehling, Harlan H; Johnson, Deborah D - DNR Legal; Remington, Frank
> D.; Giesfeldt, Mark F; Gordon, Mark E; Sanford, Renee M
> Cc: Miller, Michelle L.
> Subject: RE: Refuse Hideaway Landfill - 6/23/00 EPA/PRP Meeting
> Summary
>
> Hank - Your summary looks fine. I'd add just two things. First, the 60
> days within which to submit a good faith offer began to run June 9, so the
> PRPs, including the State of Wisconsin, need to put something together by
> August 10. Second, Frank at the meeting emphasized the need to determine
> costs. We are prepared to accept a 40% state share, but the question is
> 40% of what. We think costs will be substantially less than the \$8.5
> million in expected costs put forth by EPA. Frank, therefore, told the
> other PRPs that the State would go back and determine the costs. We need
> to do that now. We need to come up with some good numbers. We need then
> to apply the appropriate percentages to those numbers. DNR needs to work
> now on coming up with those numbers and with the rationale for using them.
> Frank, as he left on Friday, asked me to work to arrange a meeting for
> next week to discuss these matters. That meeting should include you, Deb
> Johnson, Mark Giesfeldt, Mark Gordon, Renee Sanford, Frank, and me. DOJ
> Law Clerk Michelle Miller may attend as well. I've checked Frank's
> schedule. For him and me, anytime on July 5 or 7 seems fine. Could you
> arrange to have such a meeting set up? If there is anything for you and I
> to discuss before then, please call at your convenience. Thanks, Hank.
>
> PHILIP PETERSON
> Wisconsin Department of Justice
> (608) 267-2061
> fax 266-2250
>
> -----Original Message-----

> From: Kuehling, Harlan H
> Sent: Tuesday, June 27, 2000 11:54 AM
> To: Deborah Johnson; Frank Remington; Harlan Kuehling; Mark
> Giesfeldt; Mark Gordon; Philip Peterson; Renee Sanford
> Subject: Refuse Hideaway Landfill - 6/23/00 EPA/PRP Meeting

> Summary

>
> Phil Peterson, Frank Remington, their law clerk Michelle Miller, and
> I attended the meeting noted above. The morning session was primarily
> devoted to Jacqueline Kline explaining EPA's policies that apply to the
> RHL situation, including de minimis parties, orphan share, and municipal
> settlements. The latter two are not fair in the opinion of the PRPs,
> including us. EPA is currently limiting John DeBeck's orphan share to 5%
> of (I think) the amount that Wisconsin has spent on RHL; i.e., \$155,000.
> Reaction was generally that DeBeck's fair share is more than 5%. J. Kline
> said that 5% was negotiable.

>
> She also stated that EPA's policy on municipal PRPs is that the
> muni's are not brought into the liability process because they are
> non-profit entities, and are brought in only if specific evidence exists
> that hazardous/toxic waste was included in the muni's waste. Other PRPs
> can sue municipalities to try to force their contribution. We pointed out
> with some irony that the State of Wisconsin is also a non-profit party.

>
> EPA (Kline, John Fagiolo, and Frank Byros) then left the meeting to
> allow discussion among the PRPs. We joined the PRP meeting after
> discussing what the State's position would be. Frank stated that the
> State is willing to take a leadership role in resolving liability issues,
> that the State is willing to pay (more than) its fair share, and that the
> State would assume responsibility for long-term O&M of the landfill,
> thereby saving all PRPs the cost of reimbursing EPA for oversight costs
> (J. Kline verified this savings was very possible). (Based on EPA's
> volumetric ranking, the State's share of the ranked waste is 40%.) We
> would only do this if the PRPs would contribute their fair share toward
> O&M.

>
> So much for future costs; past costs are the second issue to
> resolve. We'll assume the State's portion of this will be around 40%
> also, but of what? EPA estimates that total costs for this site will be
> approximately \$8.5 million. The question is can this total be reduced
> through a reduction of cost reimbursement to EPA, an increase in the
> number of PRPs contributing to past (and future) costs, and perhaps other
> ways. This would only occur, though, as part of a "global settlement"
> that includes all PRPs currently receiving special notice letters and
> possibly additional PRPs, such as the municipalities and transporters.
> This approach has some advantages, such as not getting involved in
> assigning liability based on toxicity or "hazardousness", the State paying
> only its fair share and the PRPs also paying theirs, and not relying on
> EPA to do cost recovery for us, which has been mentioned very little by
> EPA in their special and general notice letters or in the 6/23 meeting.

>
> The existing PRPs (the 42 Group) will meet soon to discuss the
> outcome of this meeting and to develop their approach to this process.
> The 42 Group will make an effort to incorporate additional PRPs from the
> list of 99 that received special notice letters. The State will be a
> separate but "companion" participant with PRPs. The next meeting of PRPs
> with EPA is scheduled for July 18 here in Madison, to be organized by J.
> Kline.

>
> Frank is on vacation this week. Phil: Let us know if I have
> inadvertently omitted items that should be noted or if any of the above is
> incorrect.

>
> Hank

> Hank Kuehling
> Remediation & Redevelopment Hydrogeologist
> phone: (608) 275-3286
> kuehlh@dnr.state.wi.us
>

Johnson, Deborah D - DNR Legal

From: Kline.Jacqueline@epamail.epa.gov[SMTP:Kline.Jacqueline@epamail.epa.gov]
Sent: Monday, July 10, 2000 9:38 AM
To: Peterson, Philip
Cc: Fagiolo.John@epamail.epa.gov; Remington, Frank D.; Kuehling, Harlan H; Johnson, Deborah D - DNR Legal; Sanford, Renee M; Peterson, Philip; Giesfeldt, Mark F; Gordon, Mark E; Frank.Biros@usdoj.gov; Ballotti.Douglas@epamail.epa.gov; Garber.Deborah@epamail.epa.gov
Subject: RE: Refuse Hideaway LF State of WI Questions

The questions below seem to resolve to 1) who gets any money paid by private PRPs, and 2) who is that money paid.

As I see it, the money that reimburses EPA for its past response costs goes to EPA through traditional electronic funds transfer and is credited to the EPA Site account. Payments can be made either by individual PRPs to EPA (in which case the Consent Decree would spell out what each signatory owes to EPA) or one lump payment could be made to EPA from a central PRP account/fund.

Regarding how money is paid to someone (presumably DNR) to fund performance of the RA, the money either would be paid to DNR or would be paid into a "special account" that can be dipped into by DNR. Who would receive payment at DNR is not a question I can answer -- hopefully DNR can. I assume that the amount that goes to DNR is the total amount that the private PRPs agree to pay for the RA component -- hopefully that is the total amount that is estimated as being needed (John Fagiolo provided his estimates to the State on 6/23). If the money goes right to DNR, DNR should manage the money; if it goes to a "special account" I assume that DNR still manages it but perhaps selected private PRPs would want to have some oversight of how the money is being spent (what does DNR think of this?). But in my mind, if DNR/the State of Wisconsin is assuming the responsibility to perform the RA, DNR is the primary decision making authority as to how that money is spent -- that is, how the RA is implemented (with minimal EPA oversight).

If anyone from EPA Region 5 who receives this response and the message below wants to add information or thoughts, please do so.

petersonpp@doj.state.wi.us on 07/10/2000 08:26:53 AM

To: JOHN FAGIOLO/R5/USEPA/US@EPA, Jacqueline Kline/R5/USEPA/US@EPA
cc: remingtonfd@doj.state.wi.us, KuehlH@mail01.dnr.state.wi.us, JohnsD@mail01.dnr.state.wi.us, SanfoR@mail01.dnr.state.wi.us, petersonpp@doj.state.wi.us, GiesfM@mail01.dnr.state.wi.us, GordoM@mail01.dnr.state.wi.us, Frank.Biros@usdoj.gov, DOUGLAS BALLOTTI/R5/USEPA/US@EPA

Subject: RE: Refuse Hideaway LF State of WI Questions

Thanks, John, for your summary of the questions and for your asking Wisconsin to add any additional questions we may have for Jacqueline. We have what seems a practical, administrative question. If agreement of some sort is reached by PRPs to participate and for WisDNR to take the lead on cleanup, how does EPA expect the money paid in by PRPs to be handled? For

example, to whom would the PRP checks be made payable? Where would the money paid in by PRPs go? Who would manage the money? How and in what amount would it go to EPA? How and in what amount would it go to WisDNR? Who would make these decisions? To whom would they be accountable? What legal authority applies in answering these questions? Answers to these questions are needed in preparation for the PRP meeting set for July 18 and also for the meeting with EPA in Madison that same day. Thanks.

PHILIP PETERSON
Wisconsin Department of Justice
(608) 267-2061
fax 266-2250

-----Original Message-----

From: Fagiolo.John@epamail.epa.gov [mailto:Fagiolo.John@epamail.epa.gov]
Sent: Friday, July 07, 2000 4:17 PM
To: Kline.Jacqueline@epamail.epa.gov
Cc: Remingtonfd@doj.state.wi.us; KuehlH@mail01.dnr.state.wi.us;
JohnsD@mail01.dnr.state.wi.us; SanfoR@mail01.dnr.state.wi.us;
petersonpp@doj.state.wi.us; GiesfM@mail01.dnr.state.wi.us;
GordoM@mail01.dnr.state.wi.us; Frank.Biros@usdoj.gov;
Ballotti.Douglas@epamail.epa.gov
Subject: Refuse Hideaway LF State of WI Questions

Hi Jacqueline - Hank Kuehling of WDNR just called me and had a few questions from the State of Wisconsin with regard to Refuse Hideaway. I provided very very general brief responses to what I think the answers are, but I have to defer to Regional Counsel because I do not know the specific answers.

Can you do me a favor and directly reply to all the recipients of this message with your answers ??

I am sending this e-mail to the State also to make sure that I am communicating their questions accurately.

(1) It appears that all the parties are making provision to be at the Lowell Center again, on Tuesday July 18, 2000. Hank mentioned that the negotiating parties will meet WITHOUT U.S. EPA at 9am, and then we will join the meeting that afternoon. U.S. EPA needs to make sure that the room is reserved.

(2) Mark Giesfeldt will likely be calling Doug Ballotti next week to ask / update about what's going on. I have already verbally let Doug know, but also am copying him on this message.

(2) The State would like to know how transporters of waste are being considered in the apportionment of site costs. Briefly, what role does U.S. EPA envision the transporters will play in sharing site costs ?? (I have no idea as to if / what / how transporters are considered)

(3) Does U.S. EPA plan on 'special noticing' any other parties in addition to the ones who received the last notice ?? It seems to Wisconsin that there were parties noticed previously that were not noticed this time. What is / was the

criteria that U.S. EPA used / uses for determining who receives special notice
?? I briefly communicated that U.S. EPA is not averse to sending additional letters, but I think that we just need to know who those additional parties might be. As far as who received them last time, I could not answer Hank as to what the criteria was for establishing the addressees.

(4) The State was curious also as to the role of municipalities? It appears that municipalities were not noticed, nor were they aware of our meeting(s). Is it possible for U.S. EPA to formally notify the municipalities as to our future meetings, if only to apprise them of the site status and the municipality's role(s) ?? I mentioned that U.S. EPA's attitude toward municipalities for the Superfund program as a whole is typically established by policies and guidances directly from EPA Headquarters out of Washington D.C. I do not know of any of the provisions of the most recent municipality settlement guidance or policy.

Again, I would appreciate it if you could provide the answers and directly reply to all the recipients of this message. I would also like to ask the State recipients to add clarification to this message in the event I have not presented the questions accurately.

If there are any other questions or comments, please e-mail or call 312-886-0800. Thanks.

Johnson, Deborah D - DNR Legal

From: Kline.Jacqueline@epamail.epa.gov[SMTP:Kline.Jacqueline@epamail.epa.gov]
Sent: Monday, July 10, 2000 10:15 AM
To: Fagiolo.John@epamail.epa.gov
Cc: Remington, Frank D.; Kuehling, Harlan H; Johnson, Deborah D - DNR Legal; Sanford, Renee M; Peterson, Philip; Giesfeldt, Mark F; Gordon, Mark E; Frank.Biros@usdoj.gov; Ballotti.Douglas@epamail.epa.gov; Garber.Deborah@epamail.epa.gov
Subject: Re: Refuse Hideaway LF State of WI Questions

John, I have responded to each of Hank Kuehling's questions, via your transcription, below.

As with the response I just sent to Mr. Peterson, if anyone with EPA Region 5, or with US DOJ, wants to add observations or ideas, please do so.

JOHN FAGIOLO
07/07/2000 04:17 PM

To: Jacqueline Kline/R5/USEPA/US@EPA
cc: Remingtonfd@doj.state.wi.us, KuehlH@mail01.dnr.state.wi.us, JohnsD@mail01.dnr.state.wi.us, SanfoR@mail01.dnr.state.wi.us, petersonpp@doj.state.wi.us, GiesfM@mail01.dnr.state.wi.us, GordoM@mail01.dnr.state.wi.us, Frank.Biros@usdoj.gov, DOUGLAS BALLOTTI/R5/USEPA/US@EPA

Subject: Refuse Hideaway LF State of WI Questions

Hi Jacqueline - Hank Kuehling of WDNR just called me and had a few questions from the State of Wisconsin with regard to Refuse Hideaway. I provided very general brief responses to what I think the answers are, but I have to defer to Regional Counsel because I do not know the specific answers.

Can you do me a favor and directly reply to all the recipients of this message with your answers ??

I am sending this e-mail to the State also to make sure that I am communicating their questions accurately.

(1) It appears that all the parties are making provision to be at the Lowell Center again, on Tuesday July 18, 2000. Hank mentioned that the negotiating parties will meet WITHOUT U.S. EPA at 9am, and then we will join the meeting that afternoon. U.S. EPA needs to make sure that the room is reserved.

The Lowell Center meeting room (there is only the 1 big room in the basement) is not available. The only other option for July 18th through UW facilities was an auditorium, which would have been ridiculous. As the private PRPs want the meeting to go ahead on July 18th, attorney Sweeney of Michael Best & Friedrich has offered a conference room that his law firm has. Unless the State can offer us a meeting room -- this morning! -- we'll go with the Michael Best room and get the invitation letters out today from EPA. Hank's statement that the PRPs will meet first, at 9 am, is correct. EPA will show at 1 pm.

(2) Mark Giesfeldt will likely be calling Doug Ballotti next week to ask / update about what's going on. I have already verbally let Doug know, but also

am copying him on this message.

Good.

(2) The State would like to know how transporters of waste are being considered in the apportionment of site costs. Briefly, what role does U.S. EPA envision the transporters will play in sharing site costs ?? (I have no idea as to if / what / how transporters are considered)

EPA does not envision any particular share for transporters. As I explained at the June 23rd meeting (and as I recall on an earlier call with the State), EPA at this Site takes the view that it typically takes at Superfund Sites and is not performing an allocation of liability shares (or an NBAR using a statutory term) among all the PRPs. Personally, I think the transporters should pick up a significant share, but whether the PRPs determine that share should be 10% or 50% is up to the PRPs. I believe there is case law discussing shares that transporters have been assigned at other sites (typically in cases where a consent decree is being challenged), which could be used as a guide by the State if it is trying to determine what position it should put forward. EPA has special noticed (and did back in 1996) 3 professional waste haulers -- Waste Management, BFI (now Allied Waste Industries), and Container Haul-Away/Pellitteri's. Certain arranger/generator PRPs hauled their own waste to the Site.

(3) Does U.S. EPA plan on 'special noticing' any other parties in addition to the ones who received the last notice ?? It seems to Wisconsin that there were parties noticed previously that were not noticed this time. What is / was the criteria that U.S. EPA used / uses for determining who receives special notice ?? I briefly communicated that U.S. EPA is not averse to sending additional letters, but I think that we just need to know who those additional parties might be. As far as who received them last time, I could not answer Hank as to what the criteria was for establishing the addressees.

EPA does not plan on special noticing any additional parties at this time. EPA sent special notice letters to every landfill customer (putting aside the transporters) as to which we had some evidence that the customer sent some amount (often a tiny amount) of hazardous substances. EPA also used its volumetric ranking to send special notice letters to landfill customers who were industrial/commercial entities that send large volumes of waste; EPA's operating assumption is that, for purposes of inviting parties to negotiate, large volumes of commercial/industrial waste contain hazardous substances even if an entity sends a 104e saying that their millions of pounds of waste were all "paper". EPA also went down the volumetric ranking and named entities that sent large volumes of waste where EPA had reason to believe that waste likely contained some hazardous substances.

Looking at EPA's volumetric ranking, all contributors of more than 700,000 lbs., which is about 125, contributed 91% of the waste represented by EPA's volumetric ranking (which has eliminated unallocable waste and so is not the 1.2 million cubic yards estimated by DNR in a historic document -- I think the RI report). Also, EPA has sent special notice letters to almost every landfill customer in above the rank of 60 in EPA's volumetric ranking.

As some of you know, many of the PRPs feel that their being sent special notice letters when they sent, say, 500,000 lbs. of waste and are merely a construction company is "unfair". Thus it could be argued that EPA has been overinclusive in sending out special notice letters. However, because those who used a Superfund site often find out that it is in their best interest to be involved early on and settle with EPA, we did decide to be more inclusive rather than less.

If DNR or Wis. DOJ has specific questions about certain entities, or wishes to advocate naming specific additional entities as PRPs, please let me know and share your reasons.

One concern, though, in adding PRPs is that doing so would make it much harder

to hold the line on the 120 day deadline. That is, adding PRPs would delay resolution of the RA and response cost issues surrounding this Site (surprisingly Frank Remington made a suggestion at the June 23rd meeting that perhaps EPA should have waited and gathered more information before sending out the May 25th special notice letters).

What is the State of Wisconsin's view on any delay of the 120-day deadline, for this or other reasons? Do you favor delay while EPA takes suggestions for naming additional PRPs?

(4) The State was curious also as to the role of municipalities? It appears that municipalities were not noticed, nor were they aware of our meeting(s). Is it possible for U.S. EPA to formally notify the municipalities as to our future meetings, if only to apprise them of the site status and the municipality's role(s) ?? I mentioned that U.S. EPA's attitude toward municipalities for the Superfund program as a whole is typically established by policies and guidances directly from EPA Headquarters out of Washington D.C. I do not know of any of the provisions of the most recent municipality settlement guidance or policy.

I think it is a good idea to apprise the municipalities of the ongoing negotiations. I asked our PRP search group to find addresses for certain municipalities a couple of weeks ago (I'd also hoped that our Public Affairs contact would let the municipalities know of our first meeting, but I guess that didn't happen). Unless someone else at EPA or US DOJ objects, once I have addresses for all these municipalities (about 10 or 12) I will send out an informational letter to inform them of the Site and the ongoing negotiations.

As EPA explained at the June 23rd meeting, and later to a handful of PRP attorneys, it can be more appropriate for private PRPs -- including the State here -- to contact municipalities which they believe have CERCLA liability than it is for EPA to make such contact (or to send out letter suggesting those municipalities are liable where EPA does not have specific evidence that the municipality, as a transporter, transported anything to a Site besides MSW).

Again, I would appreciate it if you could provide the answers and directly reply to all the recipients of this message. I would also like to ask the State recipients to add clarification to this message in the event I have not presented the questions accurately.

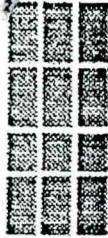
If there are any other questions or comments, please e-mail or call 312-886-0800. Thanks.

Johnson, Deborah D - DNR Legal

From: Peterson, Philip
Sent: Friday, July 21, 2000 2:57 PM
To: Kuehling, Harlan H
Cc: Remington, Frank D.; Johnson, Deborah D - DNR Legal
Subject: RHL Discount Rate

Hank - Frank and I have spoken about discount rate calculations needed to determine the present value of future DNR costs. He may already have mentioned this to you, but to be sure before your meeting next Tuesday, I pass it on to you here. As I noted when we spoke yesterday, Frank with me on the line called Atty. Jane Clokey yesterday to discuss her views on the method to be used to discount future costs back to get a present value. Jane was not in, so Frank left a message. Jane later left word with Frank through someone else that you and your counterpart at Montgomery Watson should discuss this question when you meet next Tuesday. Jane says Montgomery Watson is experienced in such calculations. Perhaps you can get his calculations on this and his supporting rationale and then run it by Dennis Mack, Bob Strous, or others at DNR to see if we can reasonably agree. Does this make sense?

PHILIP PETERSON
Wisconsin Department of Justice
(608) 267-2061
fax 266-2250



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Minneapolis, MN 55402-3397
(612) 347-7000
FAX (612) 347-7077
www.fredlaw.com

FAX COVER SHEET

FAX NUMBER	608 275-3338
Verified by:	dmc

DATE: July 21, 2000
TO: Hank Kuehling
COMPANY: Wisc. DNR
FROM: Dennis Coyne - Email: dcoyne@fredlaw.com.
DIRECT DIAL NUMBER: 612 347-7091

TOTAL NUMBER OF PAGES (INCLUDING THIS PAGE): 3

MESSAGE: Please see if you can find any documentation in your file regarding this one-time disposal, or if Wendell has any recall of it. Thanks.

Dennis

If you do not receive all pages or are experiencing other problems in transmission, please call (612) 347-7135. Thank you.

CONFIDENTIAL TRANSMISSION—Recipients Phone #

CONFIDENTIALITY NOTICE: The document(s) accompanying this fax contain confidential information which is legally privileged. The information is intended only for the use of the intended recipient. If you are not the intended recipient, you are hereby notified that any disclosure, copying, distribution or the taking of any action in reliance on the contents of the telecopied information except its direct delivery to the intended recipient name above is strictly prohibited. If you have received this fax in error, please notify us immediately by telephone to arrange for return of the original documents to us.

0832
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Client/Matter #

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Empl. Name/Ext.

JUL 21 09:12:08



**U.S. EPA -- REGION 5 ORC
FACSIMILE TRANSMITTAL SHEET**

DATE: 7/6/00

FAX RECIPIENT: Dennis Gayne

AGENCY/OFFICE: _____

FAX NUMBER: 612/347-7077

FAX SENDER: JACQUELINE KLINE

TELEPHONE NO.: 312/886-7167

FACSIMILE NO.: 312/886-0747

NO. OF PAGES: 1 + COVER

SUBJECT: Refuse Hideaway Landfill

COMMENTS: Copy of Cardinal IG Purchase Order,
as you requested. As you know, statement
on this document by Cardinal that contents
are not "hazardous waste" doesn't mean
contents did not contain hazardous substances.

Jackie Kline

DATE OF INCIDENT 3/22/83	DAY OF WEEK Tuesday	TIME OF INCIDENT 8:40 <input checked="" type="checkbox"/> AM <input type="checkbox"/> PM	REPORTED BY (NAME) Gary Ilminen	TELEPHONE NUMBER 608 1 588 - 7415
DATE REPORTED 3/22/83	DAY OF WEEK Tuesday	TIME REPORTED 8:50 <input checked="" type="checkbox"/> AM <input type="checkbox"/> PM	AGENCY OR FIRM REPORTING	REPORTED THRU DIV. EMERGEN. GOVT. <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
SUBSTANCE INVOLVED Diesel Fuel	QUANTITY 60-100	UNITS gallons	PERSON OR FIRM RESPONSIBLE Cardinal Glass	
SUBSTANCE INVOLVED	QUANTITY	UNITS	CONTACT NAME Gary Ilminen	TELEPHONE NUMBER 608 1 588 - 7415
PHYSICAL CHARACTERISTICS <input type="checkbox"/> SOLID <input checked="" type="checkbox"/> LIQUID COLOR _____ <input type="checkbox"/> SEMISOLID <input type="checkbox"/> GAS ODOR _____			ADDRESS - STREET OR ROUTE 1011 East Madison	
CAUSE OF INCIDENT Truck backed into loading dock <small>Broke a stop on 4-gallon tank</small>			CITY, STATE, ZIP CODE Spring Green WI 53588	
<input type="checkbox"/> TRANSP. RELATED <input checked="" type="checkbox"/> FACILITY RELATED <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> NA			ACTION TAKEN BY SPILLER <input type="checkbox"/> NO ACTION <input type="checkbox"/> NO NOTIFICATION <input type="checkbox"/> DELAYED NOTIFICATION <input type="checkbox"/> TAKEN <input type="checkbox"/> CONTAINMENT; TYPE Absorbent 3-4 inches gravel base <input type="checkbox"/> CLEANUP; METHOD Quick Response Absorbent 60-80% <input type="checkbox"/> DISPOSAL; LOCATION Rec. John Debeck Refuse Hill A <input type="checkbox"/> FIRE DEPARTMENT ACTION _____ <input type="checkbox"/> CONTRACTOR HIRED; NAME _____ <input type="checkbox"/> OTHER ACTION _____	
EXACT LOCATION DESCRIPTION (INTERSECTION, MILEAGE, ETC.) At Cardinal Glass 1011 East Madison Spring Green				
COUNTY LOCATION Sauk Co.				
DNR DISTRICT Southern	DNR AREA Dodgeville	SURFACE WATERS AFFECTED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> POT	DRAIN. BASIN	WEATHER CONDITIONS
NAME OF SURFACE WATER		NEAREST SURF. WATER _____ FT.	NEAREST STORM SEWER _____ FT. >150-200	TEMPERATURE 15 °F
GROUNDWATERS AFFECTED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> POT <small>Very low pot.</small>		NEAREST WELL <input type="checkbox"/> PRIV. <input type="checkbox"/> MUNIC. > 300 FT.	WIND SPEED _____ MPH DIRECTION OF WIND _____	
DATE DISTRICT NOTIFIED 3/22/83	DAY OF WEEK Tues	TIME DISTRICT NOTIFIED 8:50 <input checked="" type="checkbox"/> AM <input type="checkbox"/> PM	PRECIPITATION: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
DATE INVESTIGATED	DAY OF WEEK	TIME INVESTIGATED	DIRECTION OF SPILL MOVEMENT _____	
ACTION TAKEN BY DNR <input type="checkbox"/> NO ACTION <input type="checkbox"/> TAKEN <input type="checkbox"/> INVESTIGATION <input type="checkbox"/> 29.29 ENFORCEMENT <input type="checkbox"/> CONTAINMENT; TYPE _____ <input type="checkbox"/> CLEANUP; METHOD Absorbent material & Gravel pick-up if needed <input type="checkbox"/> SUPERVISE CLEANUP (PERSON) Advised on what to do <input type="checkbox"/> DISPOSAL; LOCATION Rec. Landfill			LIST HUMAN HAZARDS OR CASUALTIES <input type="checkbox"/> REAL <input type="checkbox"/> POTENTIAL <input type="checkbox"/> NONE	
SPILLER REQUIRED TO TAKE ACTION; TYPE Spill Cleanup Material Drums			ENVIRONMENTAL HAZARD/DAMAGE <input type="checkbox"/> REAL <input type="checkbox"/> POTENTIAL	
CONTRACTOR HIRED BY DNR; NAME 1.5 drums Max.			<input type="checkbox"/> VEGETATION _____ <input type="checkbox"/> FISH _____ <input type="checkbox"/> WILDLIFE _____ <input type="checkbox"/> BIRDS _____ <input type="checkbox"/> OTHER _____ <input type="checkbox"/> NONE _____	
DNR SPILL EXPENSE SENT TO MADISON CENTRAL OFFICE.			COMMENTS: _____	
EVIDENCE COLLECTED: <input type="checkbox"/> PHOTOGRAPHS _____ <input type="checkbox"/> STATEMENTS OF WITNESSES _____ <input type="checkbox"/> SAMPLES _____ <input type="checkbox"/> OTHER _____			PERSON FILING THIS REPORT (PRINT NAME) WENDELL WOJNER	
OTHER AGENCIES ON SCENE			SIGNATURE <i>Wendell Wojner</i>	
LOCAL _____	STATE _____	FEDERAL _____	DATE SIGNED 3/22/83	

ADDITIONAL COMMENTS:
Gravel 5-8" covered with absorbent material. Oil dry clay absorbent; 10 bags on hand at all times. Situation solved well in hand by manager in charge Gary Ilminen. Spill plan was implemented very efficiently and effectively. Would have 1 to 1.5 drums of cleaned up oil dry and gravel material. Drums labeled Spill Cleanup Material

8/7/2000

- Wendell Wajner recalls the drum and making a site visit to Cardinal Glass, noting no hazardous waste "red flags". He doesn't recall anything about the nature of the drummed waste or whether he wrote any ~~the~~ notes to a file.
- Linda Hamfeld looked in Jim Bobben's Cardinal Glass file, but ~~the~~ file materials began in 1984, after the drum was hauled to RHL. She'd ask him if another file somewhere may contain any information on this incident.

- 8/9/00
- Linda also found a Cardinal Glass file but it pertained to a wood burning site, and, again, ~~nothing~~ the file started in 1984.

Johnson, Deborah D - DNR Legal

From: Kuehling, Harlan H
Sent: Thursday, July 27, 2000 7:39 AM
To: Deborah Johnson; Frank Remington; Harlan Kuehling; Mark Giesfeldt; Mark Gordon; Philip Peterson; Renee Sanford
Subject: Meeting With Several PRP Group Attorneys Today

In my preoccupation with coming up with a reasonable estimate of long-term-care costs in a short amount of time, I forgot to tell those of you who don't know about it that Phil, Deb, and I are meeting with some of the attorneys and others representing some of the PRPs. That meeting is this morning at 10:30 at the offices of Quarles & Brady in the Firststar Bank Building. We'll be discussing LTC costs and PRP contributions, trying to come up with settlement conditions. Schedule + tells me that the rest of you have other things scheduled this morning with the possible exception of Renee. Renee, we can probably get along without you, but if you can attend the meeting, you would be an asset. If you want to contact us, call Phil and me in his office at 267-2061 after 9:00. Phil, I may be a few minutes late, but I hope not.

Hank

Hank Kuehling
Remediation & Redevelopment Hydrogeologist
phone: (608) 275-3286
kueh1h@dnr.state.wi.us



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5
77 WEST JACKSON BOULEVARD
CHICAGO, IL 60604-3590

August 4, 2000

REPLY TO THE ATTENTION OF:

SR-6J

VIA ELECTRONIC MAIL

VIA FACSIMILE

Mr. Frank Remington
Wisconsin Department of Justice
123 Washington Avenue
Madison, Wisconsin 53707-7857

Dear Frank:

**OFFICE OF
LEGAL SERVICES**

This letter is a follow-up to the July 18, 2000 negotiations meeting for the Consent Decree (CD) for Remedial Action (RA) at the Refuse Hideaway Landfill Superfund site in Middleton, Wisconsin (the "site"). Specifically, the United States Environmental Protection Agency Region 5 would like to provide clarification on the term "lead agency" for this site and on the extent of expected Federal oversight.

Although Region 5 and the Wisconsin Department of Natural Resources are in the process of jointly developing a Superfund Memorandum of Agreement (SMOA), currently there is no final, approved SMOA between the two agencies. Nor does either the draft SMOA or any other formal document define whether "lead" agency status is applicable to a State which is a potentially responsible party (PRP). As such, the SMOA does not set the federal oversight standard for the site. With respect to any RA CD for the Refuse Hideaway Landfill site, because the State of Wisconsin is a PRP, it would sign the CD as a defendant, not a plaintiff. WDNR thus would not be considered the "lead agency", or even a "support agency", for the site. As the defendant performing the remedy under a Consent Decree with U.S. EPA, there would be an inherent conflict of interest in having the State take the role of "lead agency" and in effect oversee its own performance. Region 5 however will make every effort to ensure that a good working relationship with WDNR continues for this project, and that the concerns of all involved parties are considered and addressed as effectively as possible.

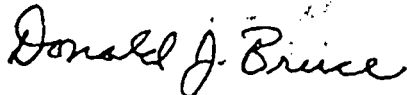
With regard to the extent of Federal oversight, recent U.S. EPA national policy for administrative reforms requires that Region 5 strive to keep Federal oversight costs as low as possible. Therefore, with respect to the RA and operation and maintenance that will occur at this site, and barring any unforeseen unusual circumstances, Region 5 anticipates that future Federal costs

Mr. Frank Remington
Refuse Hideaway Landfill
Page 2

will be administrative in nature and as such will be nominal. After entry of the RA CD, future U.S. EPA involvement will likely occur only at the behest of the State, or may only consist of things like informational requests, a request for an occasional update, or reminders to WDNR by U.S. EPA of "post-construction" requirements such as Five Year Reviews. This is not a guarantee that costs will be low, but simply a commitment that U.S. EPA will follow current policy. For your information, guidance on reduced Federal oversight can be found on the Internet at "<http://es.epa.gov/oeca/osre/960731.html>".

If you have any questions, you may contact me at (312) 886-7241 or John Fagiolo of my staff at (312) 886-0800, or, for legal questions, Ms. Jacqueline Kline, Associate Regional Counsel at (312) 886-7167. Thank you for your cooperation and I look forward to continuing our work together on this project towards its successful completion.

Sincerely,



Donald J. Bruce, Chief
Section #4, Remedial Response Branch #2
Superfund Division
U.S. EPA Region 5

CC: D. Ballotti, SR-6J
J. Fagiolo, SR-6J
J. Kline, ORC (C-14J)
D. Garber, ORC (C-14J)
F. Biros, U.S. DOJ
M. Giesfeldt, WDNR
M. Gordon, WDNR
H. Kuehling, WDNR

Kuehling, Harlan H

From: Remington, Frank D.
Sent: Wednesday, August 16, 2000 11:06 AM
To: Kuehling, Harlan H; Johnson, Deborah D - DNR Legal; Giesfeldt, Mark F; Peterson, Philip
Subject: FW: Ownership of Refuse Hideaway Landfill Site property

we should talk about this at our next meeting

-----Original Message-----

From: Kline.Jacqueline@epamail.epa.gov
[mailto:Kline.Jacqueline@epamail.epa.gov]
Sent: Thursday, August 10, 2000 11:53 AM
To: remingtonfd@doj.state.wi.us
Cc: Frank.Biros@usdoj.gov
Subject: Ownership of Refuse Hideaway Landfill Site property

Frank, I would appreciate your letting me know what you know about who currently owns the Refuse Hideaway Landfill site property. Tom DeBeck (John DeBeck's son) recently communicated to EPA that DeBeck's estate has gone through probate (which we have confirmed) and that no heirs "claimed" the Site property (or, it seems to me, probably no heirs claimed any stock in Refuse Hideaway, Inc., which "owns" the property).

Under Wisconsin law, what happens with such property? (Actually, I'm surprised the estate could even be probated when a piece of property like this with environmental liabilities effectively was being abandoned, but I know nothing about wills, estates, and probate.) Will the property effectively be transferred to Dane County due to nonpayment of property taxes? Any insights you can give me are appreciated.

I'm concerned about this issue not because I'm trying to figure out who the current Site Owner PRP would be, but because for the RA to be done at the Site and for easements, etc. to be filed on the property, it seems to me there has to be an identified property owner. Thanks.

Johnson, Deborah D - DNR Legal

From: Remington, Frank D.
Sent: Wednesday, August 16, 2000 11:08 AM
To: Peterson, Philip; Kuehling, Harlan H; Giesfeldt, Mark F; Johnson, Deborah D - DNR Legal
Subject: FW: Refuse Hideaway Landfill -- Municipalities

this one too.

-----Original Message-----

From: Kline.Jacqueline@epamail.epa.gov
[mailto:Kline.Jacqueline@epamail.epa.gov]
Sent: Monday, August 14, 2000 11:52 AM
To: remingtonfd@doj.state.wi.us
Cc: Frank.Biros@usdoj.gov
Subject: Refuse Hideaway Landfill -- Municipalities

Frank, I've heard from one municipality that they received a copy of EPA's July 28, 2000, letter to you stating that EPA would get back to you on the issue of EPA's view regarding waiver of claims against municipalities.

My question for you is, if I am asked for a copy of EPA's August 9th letter to you providing EPA's position on the issue, would you on behalf of the State and DNR and on behalf of the PRP Group object to my providing it to requesting municipalities? Do you think I should ask any other PRP rep. about this? The letter is in the nature of a settlement document, so I thought I should ask.
Thanks.

Kuehling, Harlan H

From: Giesfeldt, Mark F
Sent: Thursday, August 17, 2000 8:57 AM
To: Kuehling, Harlan H; Remington, Frank D.
Cc: Peterson, Philip
Subject: RE: EPA's Letter on Lead Agency

I talked to Ballotti in Arizona and he said the letter was suppose to tell us we could have the lead and they should have shared a draft with us-doesn't look like the letter did that. I'll call EPA and let you know what the next step is. I think we need to go on record about how poorly this case has been handled.

Mark F. Giesfeldt

Bureau for Remediation and Redevelopment
608/267-7562
giesfm@dnr.state.wi.us
Check out our web site: <http://www.dnr.state.wi.us/org/aw/rr>

From: Remington, Frank D.
Sent: Wednesday, August 16, 2000 1:47 PM
To: Kuehling, Harlan H
Cc: Giesfeldt, Mark F; Peterson, Philip
Subject: RE: EPA's Letter on Lead Agency

You asked for some background on the letter to me from EPA. I never asked for any letter specifically. You may recall that at the last meeting with Kline I stated that our preference and current plan was for DNR to assume O & M and that future response costs could be significantly reduced because EPA did not need to be involved. Kline at that time seemed to be receptive and I recall mentioning that we could work some language into the CD reflecting what I thought was an existing memorandum of understanding. My guess is that Kline went back to figure out how to do it and was told the things contained in the letter. Frankly, I am pleased to learn of your response. I too feel it is really an insult and was surprised that it was even an issue. I encourage Mark to pursue the matter as I suspect whether we like it or not we are going to get stuck and I cannot imagine agreeing to EPA oversight. All it would result in is the onerous task of filling out forms in quadruplicate!

Johnson, Deborah D - DNR Legal

From: Gordon, Mark E
Sent: Monday, August 28, 2000 9:39 AM
To: Giesfeldt, Mark F; Johnson, Deborah D - DNR Legal; Sanford, Renee M
Subject: FW: refuse information

Here are the e-mails that were referenced in Hank's message from earlier today.

----Mark

From: Remington, Frank D.
Sent: Monday, August 28, 2000 9:22 AM
To: Gordon, Mark E
Subject: FW: refuse information

-----Original Message-----

From: Clark, Douglas B. [mailto:DCClark@foleylaw.com]
Sent: Friday, August 25, 2000 11:06 AM
To: 'Remington, Frank D.'
Cc: Peterson, Philip; Kuehling, Harlan H
Subject: RE: refuse information

I don't understand your confusion. There are parties who have expressed strong reservations about disclosing to the State information that they believe is privileged and confidential. We have been working with this group of parties, in good faith, for several years and I'm not going to pass judgment on the wisdom or foolishness of their confidentiality concerns and unilaterally release information received from these parties, just because I believe that their reservations about disclosure are foolish. In any case, I think we'll have some guidance today or Monday at the latest.

> -----Original Message-----

> **From:** Remington, Frank D. [SMTP:remingtonfd@DOJ.STATE.WI.US]
> **Sent:** Friday, August 25, 2000 10:07 AM
> **To:** 'dclark@foleylaw.com'
> **Cc:** Peterson, Philip; Kuehling, Harlan H
> **Subject:** RE: refuse information

>
> I received your message that you are waiting for response from the group
> before sharing who has pledged what. Frankly, I do not understand why
> this
> is even an issue, but defer to you. Bear in mind that you will receive no
> response until we receive this information.
>

Johnson, Deborah D - DNR Legal

From: Hochmuth, Jay G
Sent: Thursday, August 31, 2000 10:30 AM
To: Giesfeldt, Mark F
Cc: Gordon, Mark E; Johnson, Deborah D - DNR Legal
Subject: RE: Date by which we must have a decision

Mark, please decide how RR wants to deal with this matter and let me know if there is something I should be aware of. Thanks Jay

From: Johnson, Deborah D - DNR Legal
Sent: Thursday, August 31, 2000 9:59 AM
To: Hochmuth, Jay G; Giesfeldt, Mark F
Cc: Gordon, Mark E
Subject: FW: Date by which we must have a decision

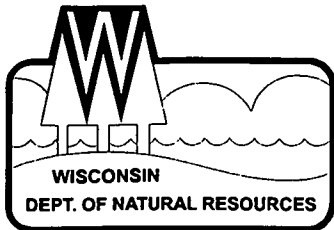
Jay and Mark, I am forwarding this message because, unfortunately, we need to make a decision to join with the other PRPs for Refuse Hideaway in making a good faith offer to EPA, or decide to let them go on their own without us. They have apparently come up with enough money to fund future operation and maintenance, so they could really settle with EPA without us. This is as much a matter of policy as anything at this point. We asked EPA to send the notice letters to get this thing moving. If you want to discuss I will be around all day today. Thanks. Deb Mark, I will leave you a voice mail as well, since I know you have been out of the office.

Deborah D. Johnson
Wisconsin Department of Natural Resources
Bureau of Legal Services
(608) 267-0846
FAX (608) 266-6983
johnsd@dnr.state.wi.us

From: Remington, Frank D.
Sent: Thursday, August 31, 2000 9:17 AM
To: Kuehling, Harlan H; Johnson, Deborah D - DNR Legal; Giesfeldt, Mark F; Gordon, Mark E; Sanford, Renee M; Peterson, Philip
Subject: RE: Date by which we must have a decision

I received a note (from EPA) that the last day by which we can make a decision in this case is 5:00 PM next Tuesday. Having said that, I think we have to have a final decision made about whether we should accept the PRP's offer tomorrow. That means that if Jay Hochmuth's and George Meyer's approval is needed, someone needs to coordinate that as well. I suspect that falls on Mark Giesfeldt, but I will that to you people.

Frank



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Tommy G. Thompson, Governor
George E. Meyer, Secretary
Ruthe E. Badger, Regional Director

South Central Region Headquarters
3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711-5397
Telephone 608-275-3266
FAX 608-275-3338
TDD 608-275-3231

August 31, 2000

File Ref: 113112010
Dane County

William & Willa Brener
4306 Fawn Court
Cross Plains, WI 53528

SUBJECT: Results of Drinking Water Quality Testing, May 2000

Dear Mr. and Ms. Brener:

Drinking water samples were collected from your home in May 2000 by Environmental Sampling Corporation and submitted to the laboratory of Commonwealth Technology, Inc. for analysis. This testing was performed at the request of the Department of Natural Resources (DNR) as part of the groundwater monitoring associated with the Refuse Hideaway Landfill.

Your well water was tested for the presence of volatile organic compounds (VOCs). As you can see from the enclosed laboratory results sheet, no VOCs were detected in your well water. Therefore, it does not appear that the Refuse Hideaway Landfill or any other contaminant source has impacted the water quality of your well with VOC contamination at this time.

If you have any questions about our work at the landfill or the enclosed drinking water quality results, please contact me as indicated below.

Sincerely,

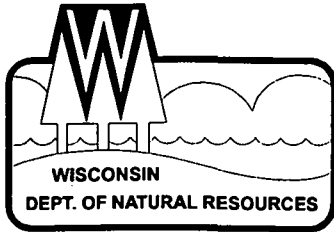
Hank Kuehling, P.G.
Remediation and Redevelopment Hydrogeologist
(608) 275-3286
kuehln@dnr.state.wi.us

enclosure

cc: Dr. Henry Anderson - DHFS
Frank Perugini - ESC
Troy Clausen - DG/SCR

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State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Tommy G. Thompson, Governor
George E. Meyer, Secretary
Ruthe E. Badger, Regional Director

South Central Region Headquarters
3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711-5397
Telephone 608-275-3266
FAX 608-275-3338
TDD 608-275-3231

August 31, 2000

Raymond & Mary Bula
RFD 1, 7872 Deer Run East
Cross Plains, WI 53528

File Ref: 113112010
Dane County

SUBJECT: Results of Drinking Water Quality Testing, May 2000

Dear Mr. and Ms. Bula:

Drinking water samples were collected from your home in May 2000 by Environmental Sampling Corporation and submitted to the laboratory of Commonwealth Technology, Inc. for analysis. This testing was performed at the request of the Department of Natural Resources (DNR) as part of the groundwater monitoring associated with the Refuse Hideaway Landfill.

Your well water was tested for the presence of volatile organic compounds (VOCs). As you can see from the enclosed laboratory results sheet, no VOCs were detected in your well water. Therefore, it does not appear that the Refuse Hideaway Landfill or any other contaminant source has impacted the water quality of your well with VOC contamination at this time.

If you have any questions about our work at the landfill or the enclosed drinking water quality results, please contact me at the address listed above or you can also contact me as indicated below.

Sincerely,

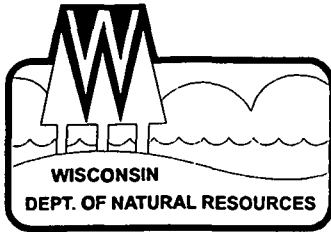
Hank Kuehling, P.G.
Remediation and Redevelopment Hydrogeologist
(608) 275-3286
kueh1h@dnr.state.wi.us

enclosure

cc: Dr. Henry Anderson - DHFS
Frank Perugini - ESC
Troy Clausen - DG/SCR

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State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Tommy G. Thompson, Governor
George E. Meyer, Secretary
Ruthe E. Badger, Regional Director

South Central Region Headquarters
3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711-5397
Telephone 608-275-3266
FAX 608-275-3338
TDD 608-275-3231

August 31, 2000

File Ref: 113112010
Dane County

Arvid & Margaret Sather
7911 Deer Run Road
Cross Plains, WI 53528

SUBJECT: Results of Drinking Water Quality Testing, May 2000

Dear Mr. and Ms. Sather:

Drinking water samples were collected from your home in May 2000 by Environmental Sampling Corporation and submitted to the laboratory of Commonwealth Technology, Inc. for analysis. This testing was performed at the request of the Department of Natural Resources (DNR) as part of the groundwater monitoring associated with the Refuse Hideaway Landfill.

Your well water was tested for the presence of volatile organic compounds (VOCs). As you can see from the enclosed laboratory results sheet, no VOCs were detected in your well water. Therefore, it does not appear that the Refuse Hideaway Landfill or any other contaminant source has impacted the water quality of your well with VOC contamination at this time.

If you have any questions about our work at the landfill or the enclosed drinking water quality results, please contact me as indicated below.

Sincerely,

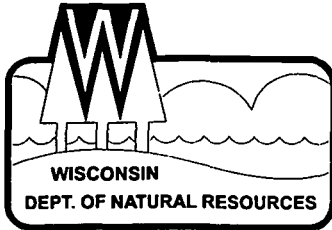
Hank Kuehling, P.G.
Remediation and Redevelopment Hydrogeologist
(608) 275-3286
kueh1h@dnr.state.wi.us

enclosure

cc: Dr. Henry Anderson - DHFS
Frank Perugini - ESC
Troy Clausen - DG/SCR

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State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Tommy G. Thompson, Governor
George E. Meyer, Secretary
Ruthe E. Badger, Regional Director

South Central Region Headquarters
3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711-5397
Telephone 608-275-3266
FAX 608-275-3338
TDD 608-275-3231

August 31, 2000

File Ref: 113112010
Dane County

William & Evelyn Plummer
7877 Deer Run Road
Cross Plains, WI 53528

SUBJECT: Results of Drinking Water Quality Testing, May 2000

Dear Mr. and Ms. Plummer:

Drinking water samples were collected from your home in May 2000 by Environmental Sampling Corporation and submitted to the laboratory of Commonwealth Technology, Inc. for analysis. This testing was performed at the request of the Department of Natural Resources (DNR) as part of the groundwater monitoring associated with the Refuse Hideaway Landfill.

Your well water was tested for the presence of volatile organic compounds (VOCs). As you can see from the enclosed laboratory results sheets, no VOCs were detected in your well water. Therefore, it does not appear that the Refuse Hideaway Landfill or any other contaminant source has impacted the water quality of your well with VOC contamination at this time.

If you have any questions about our work at the landfill or the enclosed drinking water quality results, please contact me as indicated below.

Sincerely,

Hank Kuehling, P.G.
Remediation and Redevelopment Hydrogeologist
(608) 275-3286
kuehlih@dnr.state.wi.us

enclosure

cc: Dr. Henry Anderson - DHFS
Frank Perugini - ESC
Troy Clausen - DG/SCR

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State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Tommy G. Thompson, Governor
George E. Meyer, Secretary
Ruthe E. Badger, Regional Director

South Central Region Headquarters
3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711-5397
Telephone 608-275-3266
FAX 608-275-3338
TDD 608-275-3231

August 31, 2000

File Ref: 113112010
Dane County

Richard Summers
4610 Rocky Dell Road, Route 1
Middleton, WI 53562

SUBJECT: Results of Drinking Water Quality Testing, May 2000

Dear Mr. Summers:

Drinking water samples were collected from your home in May 2000 by Environmental Sampling Corporation and submitted to the laboratory of Commonwealth Technology, Inc. for analysis. This testing was performed at the request of the Department of Natural Resources (DNR) as part of the groundwater monitoring associated with the Refuse Hideaway Landfill.

Your well water was tested for the presence of volatile organic compounds (VOCs). As you can see from the enclosed laboratory results sheet, no VOCs were detected in your well water. Therefore, it does not appear that the Refuse Hideaway Landfill or any other contaminant source has impacted the water quality of your well with VOC contamination at this time.

If you have any questions about our work at the landfill or the enclosed drinking water quality results, please contact me as indicated below.

Sincerely,

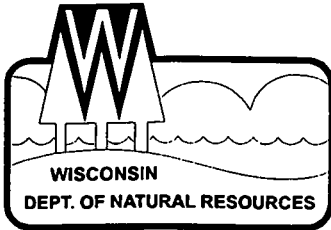
Hank Kuehling, P.G.
Remediation and Redevelopment Hydrogeologist
(608) 275-3286
kuehlh@dnr.state.wi.us

enclosure

cc: Dr. Henry Anderson - DHFS
Frank Perugini - ESC
Troy Clausen - DG/SCR

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State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Tommy G. Thompson, Governor
George E. Meyer, Secretary
Ruthe E. Badger, Regional Director

South Central Region Headquarters
3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711-5397
Telephone 608-275-3266
FAX 608-275-3338
TDD 608-275-3231

August 31, 2000

File Ref: 113112010
Dane County

Mr. Jerry Trantow & Ms. Grace Thompson
4318 Fawn Court
Cross Plains, WI 53528

SUBJECT: Results of Drinking Water Quality Testing, May 2000

Dear Mr. Trantow and Ms. Thompson:

Drinking water samples were collected from your home in May 2000 by Environmental Sampling Corporation and submitted to the laboratory of Commonwealth Technology, Inc. for analysis. This testing was performed at the request of the Department of Natural Resources (DNR) as part of the groundwater monitoring associated with the Refuse Hideaway Landfill.

Your well water was tested for the presence of volatile organic compounds (VOCs). As you can see from the enclosed laboratory results sheet, no VOCs were detected in your well water. Therefore, it does not appear that the Refuse Hideaway Landfill or any other contaminant source has impacted the water quality of your well with VOC contamination at this time.

If you have any questions about our work at the landfill or the enclosed drinking water quality results, please contact me as indicated below.

Sincerely,

Hank Kuehling, P.G.
Remediation and Redevelopment Hydrogeologist
(608) 275-3286
kuehlh@dnr.state.wi.us

enclosure

cc: Dr. Henry Anderson - DHFS
Frank Perugini - ESC
Troy Clausen - DG/SCR

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Through Excellent Customer Service*



To: Hank Kuehling - SCB
From: Mark Biesfeldt - RRJ3

LORD, BISSELL & BROOK

115 SOUTH LA SALLE STREET
CHICAGO, ILLINOIS 60603

(312) 443-0700
CABLE: LOWIRCO CGO
TELEX: 25-307011
TELECOPY: (312) 443-0570

LOS ANGELES OFFICE
300 SOUTH GRAND AVENUE, SUITE 3900
LOS ANGELES, CALIFORNIA 90071-3200
(213) 485-1500
TELEX: 18-1135
TELECOPY: (213) 485-1200

ATLANTA OFFICE
ONE ATLANTIC CENTER
1201 W. PEACHTREE STREET, SUITE 3700
ATLANTA, GEORGIA 30309
(404) 870-4600
TELEX: 54-3707
TELECOPY: (404) 872-5547

LONDON OFFICE
LLOYD'S, SUITE 995
1 LIME STREET
LONDON EC3M 7DQ ENGLAND
071-327-4534
TELECOPY 071-929-2250



August 31, 2000

RECEIVED

SEP 06 2000

**BUREAU OF
LEGAL SERVICES**

Wisconsin Department of Natural Resources
Attn: Public Information Request
101 S. Webster Street
PO Box 7921
Madison, WI 53707-7921

Information Officer:

I would like to request copies of any documents within your files or computer records that have been dated or received since January 1990 for the Refuse Hideaway Landfill in Middleton, Wisconsin (WID980610604).

Specifically, we are interested in: Records of Decision; complaints filed by the US EPA and/or state agencies; settlements and/or Consent Decrees; responses to Requests for Information submitted by Consolidated Foods, Sara Lee and/or any subsidiary of Sara Lee alleged to be involved at this site; volumetric allocations; documents indicating current total cleanup costs and estimated future cleanup costs; final closure reports; and No Further Action letters.

Please bill us according to your normal procedure for charges associated with receiving the requested information. If the cost for completing this request exceeds \$50.00, please phone me prior to sending the requested material. If you have any questions, do not hesitate to contact me at (312) 443-1784. I appreciate your cooperation in handling this request.

Sincerely,

Judy Kuepfer

Lord, Bissell, and Brook

Johnson, Deborah D - DNR Legal

From: Kuehling, Harlan H
Sent: Tuesday, October 10, 2000 9:26 AM
To: Darrell Bazzell; Elizabeth Kluesner; Franc Fennessy; George Meyer; Gregory Matthews; Jay Hochmuth; Joseph Brusca; Mark Giesfeldt; Patrick McCutcheon; Paul Heinen; Ruthe Badger
Cc: Gordon, Mark E; Johnson, Deborah D - DNR Legal
Subject: Refuse Hideaway Landfill - Al Stoppleworth Call to Senator Feingold's Office

I returned a phone call from Gerry Gabrielson from Senator Feingold's office this morning regarding a call she had received from Al Stoppleworth, who lives about one-half mile southwest of the Refuse Hideaway Landfill (two miles west of Middleton). Mr. Stoppleworth and his neighbor have been paying for the O&M and water supply analytical costs for their homes' point-of-entry water supply treatment systems since 1992, and he would like some other party to take over those payments. The State paid to have these POE treatment systems installed in 1990 and turned over ownership and maintenance and monitoring responsibilities to the two homeowners in 1992. This transfer occurred after the State had a very deep well drilled to serve these two homes, but this well was also contaminated and was not a viable drinking water supply.

I talked with Mr. Stoppleworth several weeks ago, and promised that I would do several things to address his concerns: to try to find a way to sample the deep well periodically with the intent being that it could be used as the homes' water supply if it is, at some point, no longer contaminated; to investigate the possibility of either the potentially responsible parties (PRPs) or the State paying for the O&M and monitoring of the POE treatment systems; I will also add the two impacted private wells to our routine semi-annual sampling program so that the POE systems could be taken off-line if the well water is, at some point, no longer contaminated. I am currently trying to find a contractor to sample the deep well, and am researching the question of who should pay for the system O&M costs.

I discussed with Ms. Gabrielson the history of this situation, the nature of my conversation with Mr. Stoppleworth, and what is currently being done to reply to his concerns. My impression is that she was satisfied with what has been done so far and will be replying by letter to Mr. Stoppleworth. I will be contacting Mr. Stoppleworth when I am more certain about our options.

Hank Kuehling
Remediation & Redevelopment Hydrogeologist
phone: (608) 275-3286
kuehlh@dnr.state.wi.us

October 19, 2000

State Representative Spencer Black
Room 219 North,
State Capitol
PO Box 8952
Madison, WI 53708

Dear Representative Black,

In March of 1987 our world was turned upside down when the research firm RMT informed us that the neighboring landfill had contaminated our well water with a variety of volatile organic compounds. It did not take us long to realize the impact of the news: our property value was wiped out; the prospect of serious health problems loomed; and no one would take responsibility for the situation.

Early on, both the Department of Natural Resources, responsible for monitoring and licensing the landfill, and the landfill operator, John Debeck wanted us to believe the contaminants were originating anywhere but in the landfill. They cited an underground gas tank on my property as well as my neighbor's used car business located in downtown Middleton, as the culprits.

In the years that followed the discovery of the contamination you helped us secure good faith promises from the State of Wisconsin, the Department of Natural Resources, and the landfill operator. We have anticipated the arrival of potable water on our property for the last thirteen years, as a result of these promises.

At first, the landfill operator, John Debeck, furnished us with bottled water as an interim measure. Then to end the supply of bottled water, the DNR installed large carbon filters as a temporary solution until potable water could be brought to the land. These filters require a great deal of maintenance at a cost of \$1800 annually. We were promised that the DNR would be responsible for the cost and the upkeep of the filters, but this has never happened.

In fact, nothing has happened that was promised to us in the last thirteen years. We have recently become aware of the fact that Principal Responsible Parties for the environmental damages are being identified and costs are being assessed. I have learned that at no time in this process has reimbursement for the cost of filtration and maintenance been discussed, much less the issue of bringing potable water to the property.

I have made several attempts to have my property and my neighbor's property included in the scope of the damages created by failure of the landfill. First, I contacted John Fagiolo, EPA representative from Chicago. Mr. Fagiolo was enthusiastic during our first conversation, remarking that there were federal programs available to me and promising that he would look into the situation further. I did not hear from Mr. Fagiolo again until I contacted him several months later to see if there had been any progress. He told me that the EPA had been conducting meetings with both the DNR and the PRP's. Upon discovery that the toxin levels are dropping, the EPA has turned the site back over the DNR for remediation. Mr. Fagiolo then said that I would need to talk to Hank Kuehling, the project manager for the site from the DNR.

Speaking with Mr. Kuehling, I realized that the DNR does not have the will to be of help in seeking remediation from the PRP's. Mr. Kuehling told me that because I sued the landfill operator and won, I should be responsible for getting potable water to my property. 'The State is not in the business of providing water,' Mr. Kuehling said. I was indeed successful in my first lawsuit against the landfill

operator. However, no damages were awarded to me for remediation of the property, and because the amount of the settlement was sealed, I am not even in a position to discuss it with anyone. Suffice it to say the funds Mr. Kuehling is referring to have never existed.

Mr. Kuehling contacted me last week to say that the DNR is now in a position to help. While they are still not able to have potable water brought to the land, he said they would honor their original promise to pay for the cost of the filtration system at the property. Unfortunately that promise only lasted as long as it took Mr. Kuehling to discover what the costs of filtration are. After I put him in touch with Hellenbrand Water Conditioners, the company that does the maintenance, Mr. Kuehling said they would not be able to reimburse our expenses at this time but perhaps at some point in the future.

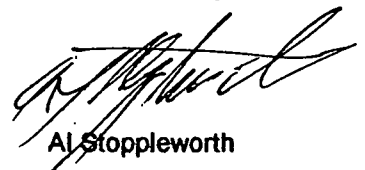
This is the same promise they made to us thirteen years ago. Now that we have traveled only as far as where we started, I think the time has come to solve the problems that exist, rather than spend more time looking for someone to fulfill promises made to cover what are only stop-gap measures.

Because the Principle Responsible Parties are now in the process of determining the scope of remediation, I am looking to you for further help. The greatest environmental impact of the failure of the landfill has been the contamination of our wells. It only makes sense, then, that the wells be included in the remediation process. Otherwise, taxpayers will spend a total of six million dollars without ever addressing the original issue. In my estimation, the cost of bringing water to my property, as well as reimbursing the filtration costs, would be approximately 3% of the current project budget.

I know that you are very busy with more pressing issues, but I am hoping that your office might be able to assist us in our current situation. This time, to finally solve the problem, I am looking for reimbursement for what I've spent for filtered water; for the DNR to fulfill their promise to make the PRP's pay for filtration; and for potable water to be brought to my land. If your schedule permits, I can be reached at my office between 8 and 9 am, CST. My phone number is 608-831-4214.

I thank you for your time in considering this matter, and hope to speak with you soon.

Sincerely,



Al Stoppeworth

State Representative Spencer Black



State Capitol
P.O. Box 8952
Madison, WI 53708
(608) 266-7521

November 17, 2000

Secretary George Meyer
Department of Natural Resources
GEF II, 101 South Webster Street
Madison, WI 53702

Dear Secretary Meyer:

I recently received correspondence from Al Stoppleworth in regard to the contamination of his well water caused by a neighboring landfill. Apparently, Mr. Stoppleworth was informed that the DNR would provide portable water on his property, but instead large carbon filters were installed. He was also informed that the cost of the maintenance of the filters would be the responsibility of the DNR, but he has not yet been reimbursed for this cost. I have enclosed a copy of Mr. Stoppleworth's letter and ask that you look into this matter.

Thank you for your attention to this matter.

Sincerely,



Spencer Black
State Representative

Enclosure

RECEIVED

NOV 21 2000

**OFFICE OF THE
SECRETARY**

November 30, 2000

Pat and Joe,

After getting the purple folder on Tuesday, I am starting a George Meyer response letter to the letter from Al Stoppleworth. Although I won't respond to them directly in the GM letter, Al's letter contains some statements that I believe are either not true or misleading that I want to deal with for your benefit and mine.

Page 1, paragraph 2. I find it hard to believe that the DNR ever discounted RHL as the source of contamination.

Page 1, paragraph 4. Al implies potable water was eventually going to be "brought to the land". If that means drilling a new well, we did that in 1992 and it was contaminated; if it means municipal water supply from Middleton, you both know better than I do that this was not seriously considered.

Page, paragraph 5. Al is correct; reimbursement of past treatment system costs have never been discussed with PRPs. Such a discussion would have been beside the point and here is why.

The PRPs will (hopefully) be contributing money they have pledged to "buy out" of liability to EPA/Superfund and the State. Even taking into account the State's share of liability as a RHL waste generator, all of the State's past and future costs of landfill O&M will not be reimbursed. So PRP money is not being "earmarked" for specific expenses and the ERF has had to and will have to cover those past and future O&M costs that will not be covered by PRP contributions.

NR 738.06(1)(a) puts a limit of six months on ERF covering temporary emergency water supply costs. DNR went beyond this limit by paying for the Spring, 1990 installation of the point-of-entry treatment systems and for O&M of the systems until July,

What makes treatment system O&M cost coverage by our program possible now, if the draft consent decree is finalized and signed, is that the State will become the sole settling performing party for remedial action at the landfill with the other settling parties paying to provide some but not all of the necessary funding. The State will also be responsible for implementation of the record of decision remedies, one of which requires supplying POE treatment systems for wells with contaminants above the ESs (MCLs).

Page 1, paragraph 6. EPA is not turning the site back to the DNR for remediation because of lower contaminant levels. The State has volunteered to be the sole performing settling party.

Page 1, last paragraph. I am smart enough not to say "The State is not in the business of providing water." I did tell him about the limits placed on providing temporary emergency water by NR 738.06(1)(a). And we did talk about his lawsuit against the RHL insurance company in which he won an award for lost property value. I was careful not to tie his water supply costs that we aren't reimbursing to his successful lawsuit.

Page 2, paragraph 1. I told Al that the State would not consider bringing a water main extension from Middleton that he was asking about. I told him, that, if the consent decree was completed, the State would begin covering the POE treatment systems O&M costs. I also told him in that same 10/16/00 telephone call that I would like to collect a pre-treatment sample of the drinking water from his and Noles' wells to find out what the current status of water supply contamination is. I also stated that I was researching the possibility of monitoring the deep well on the Noles property. (All this is from my notes on the phone call.)

In addition, Hellenbrand Water invoices indicate that annual sampling and carbon change-out costs are less than Al stated and not a significant item (\$1,500 per system per year). I never told Al anything other than the State would pay treatment system costs if the Consent Decree was completed and backed away from that conditional offer.

Page 2, paragraph 4. These points have been discussed above.

As you know from my e-mail, I am meeting with Senator Erpenbach and his aide, Al, and his neighbor, Steve Noles, next Thursday at 9:30. If either of you are interested in attending, let me know (it's at the same time as the NR 746 training). Elizabeth Kluesner or Paul Heinen may also attend.



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Tommy G. Thompson, Governor
George E. Meyer, Secretary

101 S. Webster St.
Box 7921
Madison, Wisconsin 53707-7921
Telephone 608-266-2621
FAX 608-267-3579
TTY 608-267-6897

December 8, 2000

• File Ref: L11490

Mr. Al Stoppeworth
7750 Highway 14
Middleton, WI 53562

Dear Mr. Stoppeworth:

Thank you for your letter regarding the water supply on your property southwest of Refuse Hideaway Landfill. I would like to respond to the concerns that you express in your letter about the availability of a potable water supply for your property and about the costs of maintaining the point-of-entry treatment system in the house on your property.

Your letter contains a request for reimbursement of your past costs for operating and maintaining the water treatment system. The Department's administrative rule on temporary emergency water supplies dictates that the Department's environmental fund can be used to provide these water supplies for a maximum of six months. The Department went considerably beyond this rule by paying for the installation of the treatment system in your house and by paying for the operation and maintenance of this system for over two years. As one of our staff, Hank Kuehling, has discussed with you, the State of Wisconsin may be able to resume paying these costs if an agreement, called a consent decree, is finalized between the State, the U.S. Environmental Protection Agency, and many of the waste generators whose waste was hauled to the landfill. In this agreement, the State would agree to implement, for all the responsible parties, the provisions of the 1995 Refuse Hideaway Landfill "Record of Decision". This document defines the remedy for the groundwater contamination from the landfill and requires, among other things, the provision of a point-of-entry treatment system for any private well with contaminants above the federal Safe Drinking Water Act maximum contaminant levels (MCLs). If the consent decree is finalized, the State will take responsibility for implementing the selected remedies of the Record of Decision, including providing the treatment systems and paying the operation and maintenance and sampling costs of the treatment systems for each water supply with MCL exceedances.

The Department has been monitoring for many years groundwater quality in the area of the landfill, including the area well beyond your property to the southwest and west. In general, the groundwater contaminant concentrations have either stabilized or decreased in most areas monitored. Because of the possibility of reduced contaminant levels in the groundwater beneath your property, we have recently collected a water sample from your water supply well to determine the current levels of contaminants. We expect to receive the analytical results for this sample soon. If contaminant levels are verified to be below the MCLs, the treatment system could be taken "off-line" and the Department would continue to monitor the quality of the untreated water.

If the contaminant levels of your untreated water supply are currently above the MCLs, we will next collect a water sample from the deep water supply well that the State installed on the Noles' property adjacent to yours in 1992. If the contaminants in the water from this well are verified to be below the MCLs, this well could supply water to your and the Noles' houses. If any contaminants of this deep well are also above the MCLs, the existing water treatment systems in the two houses will continue to be used to supply a safe water supply as I have discussed above.

I hope that I have addressed some of your concerns. If you have any remaining questions or comments, please contact Hank Kuehling at (608) 275-3286.

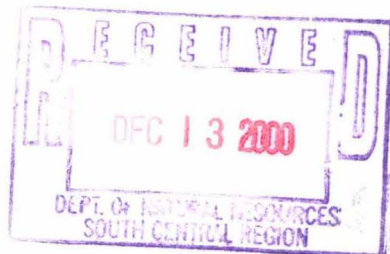
Sincerely,

8/12-12-00

George E. Meyer
Secretary

GEM:REB:kal
SECGOVL11490

cc: Kathy Leach-Maahs/Ruthe Badger, SCR
Joe Brusca, SCR
Gene Mitchell, SCR
~~Hank Kuehling, SCR~~
The Honorable Spencer Black, State Assembly, P.O. Box 8952, Madison, WI 53708-7865



Kuehling, Harlan H

From: Brusca, Joseph W
Sent: Wednesday, December 13, 2000 9:09 AM
To: Bazzell, Darrell L; Kluesner, Elizabeth M; Fennessy, Franc; Meyer, George E; Matthews, Gregory K; Hochmuth, Jay G; Giesfeldt, Mark F; McCutcheon, Patrick; Badger, Ruthe E; Kuehling, Harlan H; Heinen, Paul H
Subject: RE: Meeting with Sen. Erpenbach and Affected Private Well Owners Near Refuse Hideaway Landfill

Paul, I have had several discussions with Hank Kuehling regarding this settlement. I remember that the Stopplesworths received a "generous" settlement on the well contamination from the insurance carriers for DeBeck. Since there was no public disclosure on the amount or conditions the DNR is at a disadvantage on settling with Stopplesworth & Noles. I would recommend that the AG's Office review the settlement and advise the Department on the legality and appropriateness to settle with these citizens. I assume this would require the courts to ask the parties in question for their permission for the AG to review the court documents but it only seems the fair thing to do considering the circumstances.

Joe Brusca
Air & Waste Regional Leader - SCR

(608) 275-3296

From: Heinen, Paul H
Sent: Friday, December 08, 2000 7:58 AM
To: Bazzell, Darrell L; Kluesner, Elizabeth M; Fennessy, Franc; Meyer, George E; Matthews, Gregory K; Hochmuth, Jay G; Brusca, Joseph W; Giesfeldt, Mark F; McCutcheon, Patrick; Badger, Ruthe E; Kuehling, Harlan H
Subject: RE: Meeting with Sen. Erpenbach and Affected Private Well Owners Near Refuse Hideaway Landfill

I WOULD JUST ADD THAT IF THE STOPPLEWORTH'S AND NOLES'S DON'T HAVE A LEGAL ARGUMENT FOR THE PAST MAINTENANCE COSTS (I DO NOT PROFESS TO BE AN EXPERT ON THIS)... THEY HAVE A VERY STRONG EQUITY ARGUMENT. WHY SHOULD THEY HAVE PAID NINE YEARS OF TREATMENT COSTS? THEY DIDN'T POLLUTE THEIR WELLS. SENATOR ERPENBACH WILL PUSH STRONGLY, IF NECCESARY, FOR THE \$27,000 (APPROXIMATELY) IN REIMBURESEMENT. HE IS RIGHT. I HOPE AT THE LEAST THAT THE SETTLEMENT WILL INCLUDE THESE COSTS.

PLEASE KEEP ME IN THE LOOP ON THIS AS IT PROGRESSES AS SEN. ERPENBACH WILL WANT TO BE KEPT UP TO DATE.

THANKS

PAUL

Paul Heinen, AD/5
Central Office - Madison
608-266-2120

From: Kuehling, Harlan H
Sent: Thursday, December 07, 2000 1:38 PM
To: Darrell Bazzell; Elizabeth Kluesner; Franc Fennessy; George Meyer; Gregory Matthews; Jay Hochmuth; Joseph Brusca; Mark Giesfeldt; Patrick McCutcheon; Paul Heinen; Ruthe Badger
Subject: Meeting with Sen. Erpenbach and Affected Private Well Owners Near Refuse Hideaway Landfill

Paul Heinen and I met this morning with Senator Jon Erpenbach and his aide, Carrie Templeton, Al and Jean Stopplesworth, and Shirley Noles. The Stopplesworths and Ms. Noles, along with her husband, are the respective owners of two private water supply wells that have been impacted by contaminants from Refuse Hideaway Landfill as first discovered in 1986-87. The State paid for the installation of point-of-entry water treatment systems for both houses in 1990 and paid for the maintenance costs of the two systems until 1992, when ownership of the systems and maintenance responsibilities were turned over to the property owners. They have been paying the maintenance costs since then and currently continue to

do so.

The Stoppleworths and Ms. Noles expressed several concerns at the meeting. They want to have a safe drinking water source for their respective houses without relying on the water treatment systems. Both parties are near enough to retirement that they are concerned about significantly depressed property values, because of a contaminated water supply (regardless of treatment), when they choose to sell their property. Both parties also request that their system maintenance expenses incurred from 1992 to the present be reimbursed.

We reviewed the analytical results of untreated water supply samples recently collected by a DNR contractor from each of the two wells. All analytes from the Stoppleworth sample were below the federal maximum contaminant levels (MCLs); The only contaminant above an MCL in the Noles' sample was tetrachloroethene (MCL of 5 parts per billion) at 7.7.

We then discussed the next Department actions to address the well owners' concerns. We will begin routine monitoring of untreated water samples from each well. We will also begin to collect water samples from the Department-installed deep well that was sampled and found to be contaminated at the time of installation in 1992 and remained slightly contaminated in 1998. If contaminant levels are found to be below all MCLs, this deep well could be used as a water supply for one or both houses. If additional sampling of these three water supply wells indicates that the point-of-entry treatment systems remain the only source of uncontaminated water, all of us will meet again to discuss possible, if any, next steps, since this option is unacceptable to the two sets of well owners.

The State is in the process of negotiating a settlement with EPA and a long list of responsible parties associated with the landfill (of which the State is one). If this consent decree is finalized, the State would be in a position to pay for future maintenance costs of the water supply treatment systems. I also stated that I would research the possibility of reimbursing the two parties for their past maintenance costs as part of the consent decree. The two parties asked that we keep them informed of other landfill-related events, such as the negotiations noted above, which I will do.

This isn't as brief as intended, but I hope you have a reasonable idea of the results of the meeting. Paul, please add anything that I may have missed.

Hank Kuehling
Remediation & Redevelopment Hydrogeologist
phone: (608) 275-3286
kueh1h@dnr.state.wi.us

Kuehling, Harlan H

From: Kuehling, Harlan H
Sent: Wednesday, December 20, 2000 7:29 AM
To: Heinen, Paul H
Cc: Brusca, Joseph W; McCutcheon, Patrick; Kalnicky, Richard A; Gordon, Mark E
Subject: RE: Meeting with Sen. Erpenbach and Affected Private Well Owners Near Refuse Hideaway Landfill

Hi, Paul,

I have hesitated to update you because I don't have much of substance to report as yet, the down side of that approach being that you wonder what's going on. Here is what I can tell you. At the meeting with EPA on December 8, some issues with the consent decree were resolved but several more significant ones were not. All parties involved (the State, EPA, and the PRPs) are now considering what their revised positions will be on the unresolved issues. EPA has now given up on its deadline of the end of the month to have this resolved, but all parties want to get this done as soon as possible.

Because Refuse Hideaway has taken up so much of my time recently, I had to take some time over the last week to get caught up on other responsibilities. But I have done some work on my promises to the Stoppeworths, the Noles, and Senator Erpenbach. I went to the Clerk of Courts yesterday to look at the case files for the lawsuits brought by the Stoppeworths against the landfill corporation and its owners and insurance company. This research was done in response to Joe Brusca's concern, expressed to you in an e-mail last week, that the State not pay for past costs that have already been compensated through litigation. I will request today or tomorrow of the R&R managers involved with this site their opinions on the question of paying the Stoppeworth's and Noles' past treatment system O&M costs.

The central office program coordinator for this project agrees on the need to spend money monitoring the two impacted private wells quarterly at least initially and then semi-annually and also the deep well on a periodic basis. I am in the process of making arrangements to have this done, although sampling the deep well is more work to arrange because the season makes the sampling process more difficult.

I have also looked into buying some brightly colored barrier markers for the deep well in response to Ms. Noles' request. I hope to have that taken care of within a week.

That's all for now, Paul. Let me know if you have other questions.

Hank

From: Heinen, Paul H
Sent: Tuesday, December 19, 2000 11:34 AM
To: Kuehling, Harlan H
Subject: RE: Meeting with Sen. Erpenbach and Affected Private Well Owners Near Refuse Hideaway Landfill

HEY HARLAN

WHAT EVER HAPPENED AT THE "ATTORNEYS MEETING"? DO YOU KNOW? ARE WE ANY CLOSER TO GETTING THE STTOPLEWORTH/NOLES THEIR \$\$\$?

PAUL

Paul Heinen, AD/5
Central Office - Madison
608-266-2120

From: Kuehling, Harlan H
Sent: Friday, December 08, 2000 8:14 AM
To: Heinen, Paul H
Subject: RE: Meeting with Sen. Erpenbach and Affected Private Well Owners Near Refuse Hideaway Landfill

Thanks, Paul. I will try to keep you updated on pertinent goings-on but will try not to bore you with the details. My assumption is that I can keep you informed and you will pass along any pertinent information to Senator Erpenbach. If you want me to contact his office directly with news updates, let me know.

Hank

From: Heinen, Paul H
Sent: Friday, December 08, 2000 7:58 AM
To: Bazzell, Darrell L; Kluesner, Elizabeth M; Fennessy, Franc; Meyer, George E; Matthews, Gregory K; Hochmuth, Jay G; Brusca, Joseph W; Giesfeldt, Mark F; McCutcheon, Patrick; Badger, Ruthe E; Kuehling, Harlan H
Subject: RE: Meeting with Sen. Erpenbach and Affected Private Well Owners Near Refuse Hideaway Landfill

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THANKS

PAUL

Paul Heinen, AD/5
Central Office - Madison
608-266-2120

From: Kuehling, Harlan H
Sent: Thursday, December 07, 2000 1:38 PM
To: Darrell Bazzell; Elizabeth Kluesner; Franc Fennessy; George Meyer; Gregory Matthews; Jay Hochmuth; Joseph Brusca; Mark Giesfeldt; Patrick McCutcheon; Paul Heinen; Ruthe Badger
Subject: Meeting with Sen. Erpenbach and Affected Private Well Owners Near Refuse Hideaway Landfill

Paul Heinen and I met this morning with Senator Jon Erpenbach and his aide, Carrie Templeton, Al and Jean Stoppleworth, and Shirley Noles. The Stoppleworths and Ms. Noles, along with her husband, are the respective owners of two private water supply wells that have been impacted by contaminants from Refuse Hideaway Landfill as first discovered in 1986-87. The State paid for the installation of point-of-entry water treatment systems for both houses in 1990 and paid for the maintenance costs of the two systems until 1992, when ownership of the systems and maintenance responsibilities were turned over to the property owners. They have been paying the maintenance costs since then and currently continue to do so.

The Stoppleworths and Ms. Noles expressed several concerns at the meeting. They want to have a safe drinking water source for their respective houses without relying on the water treatment systems. Both parties are near enough to retirement that they are concerned about significantly depressed property values, because of a contaminated water supply (regardless of treatment), when they choose to sell their property. Both parties also request that their system maintenance expenses incurred from 1992 to the present be reimbursed.

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supply for one or both houses. If additional sampling of these three water supply wells indicates that the point-of-entry treatment systems remain the only source of uncontaminated water, all of us will meet again to discuss possible, if any, next steps, since this option is unacceptable to the two sets of well owners.

The State is in the process of negotiating a settlement with EPA and a long list of responsible parties associated with the landfill (of which the State is one). If this consent decree is finalized, the State would be in a position to pay for future maintenance costs of the water supply treatment systems. I also stated that I would research the possibility of reimbursing the two parties for their past maintenance costs as part of the consent decree. The two parties asked that we keep them informed of other landfill-related events, such as the negotiations noted above, which I will do.

This isn't as brief as intended, but I hope you have a reasonable idea of the results of the meeting. Paul, please add anything that I may have missed.

Hank Kuehling
Remediation & Redevelopment Hydrogeologist
phone: (608) 275-3286
kuehlh@dnr.state.wi.us

Johnson, Deborah D - DNR Legal

From: Brusca, Joseph W
Sent: Friday, December 22, 2000 8:39 AM
To: Giesfeldt, Mark F; Gordon, Mark E; Johnson, Deborah D - DNR Legal; McCutcheon, Patrick; Kuehling, Harlan H; Strous Jr, Robert E; Heinen, Paul H
Cc: Peterson, Philip; Remington, Frank D.
Subject: RE: RHL - Compensation For Owners of Impacted Private Wells For Past Treatment Costs

Nothing is ever simple or straightforward. I had asked Hank to do some leg work on whether or not the Stoppleworths and previous owners to the Noles property were ever compensated in the law suit settled with the insurance carriers for Refuse Hide-away. What Hank reported back was there was some reference to well compensation in the Stoppleworth's transcripts in their law suit. Since the settlement was sealed that is all we can go on at this point.

If we hand over the cash is this precedent setting? I don't know. Past experience tells me we get a legal opinion weigh that opinion on the state-wide impacts and move on with the decision. I don't know if I have heard from the Central Office R&R program on their recommendation or Legal's for that matter.

Another part of the equation is the recent sampling at Stoppleworth's well indicates their drinking water is below the MCL. Hank plans on at least one more sample before we lift any restrictions.

From: Heinen, Paul H
Sent: Friday, December 22, 2000 7:37 AM
To: Brusca, Joseph W; Giesfeldt, Mark F; Gordon, Mark E; Johnson, Deborah D - DNR Legal; McCutcheon, Patrick; Kuehling, Harlan H; Strous Jr, Robert E
Cc: Peterson, Philip; Remington, Frank D.
Subject: RE: RHL - Compensation For Owners of Impacted Private Wells For Past Treatment Costs

I am in 100% agreement with Hank. In this case, not only because politically we would get creamed if we didn't pay the \$24,000, but more importantly because it is the fair and right thing to do.

As this decision is being made please keep me in the loop, as Secretary Meyer is watching the outcome as well as Sen. Erpenbach.

Paul

Paul Heinen, AD/5
Central Office - Madison
608-266-2120

From: Strous Jr, Robert E
Sent: Thursday, December 21, 2000 5:14 PM
To: Brusca, Joseph W; Giesfeldt, Mark F; Gordon, Mark E; Johnson, Deborah D - DNR Legal; McCutcheon, Patrick; Kuehling, Harlan H
Cc: Peterson, Philip; Remington, Frank D.; Heinen, Paul H
Subject: RE: RHL - Compensation For Owners of Impacted Private Wells For Past Treatment Costs

Hank,

You and I spoke about this before, and thanks for the complete explanation you sent. I don't know of any precedent that would help in this decision. Mark Giesfeldt or Mark Gordon might know of other cases in other states that might help make the decision. I am anxious to hear what everybody thinks on this matter.

Bob

From: Kuehling, Harlan H
Sent: Thursday, December 21, 2000 2:38 PM
To: Brusca, Joseph W; Giesfeldt, Mark F; Gordon, Mark E; Johnson, Deborah D - DNR Legal; McCutcheon, Patrick; Strous Jr, Robert E

C . . .
Cc: Peterson, Philip; Remington, Frank D.; Heinen, Paul H
Subject: RHL - Compensation For Owners of Impacted Private Wells For Past Treatment Costs

As all of you know, two private wells were discovered in 1988 to have been impacted by the groundwater contaminant plume from Refuse Hideaway Landfill. DNR installed point-of-entry treatment systems for the two impacted water supplies in 1990 and paid the maintenance and sampling costs until mid-1992, when the POE systems and maintenance responsibilities were transferred from the DNR to the two owners. These owners, Al and Jean Stoppleworth and Steve and Shirley Noles, are now requesting that the RHL responsible parties pay their past costs, incurred from 1992 to the present, for O&M of the treatment systems.

The DNR stopped paying the treatment system costs in 1992 because of limitations put on expenditures like this by NR 738.06. However, our role is about to change from that of regulatory agency to regulatory agency and "performing" PRP. We are currently in negotiations with EPA and, essentially, more than a hundred other PRPs, to finalize a consent decree in which the State, through the DNR, would become the one settling performing party that will be responsible for O&M of the landfill systems and for implementing the other remedies chosen in the 1995 Record of Decision. (We are collecting money from many of the other PRPs (the State is one too) which will compensate the State, but not completely, for its past and future costs.) One of the ROD remedies is to provide POE treatment for water supply wells with contaminants above the Safe Drinking Water Act maximum contaminant levels. The State will do this by paying the two owners future O&M costs. This would clearly be our role as the performing party.

But what I want your opinion on is whether the Department should honor the request of the well owners to pay their past costs. I promised the well owners that I would look into this possibility at a recent meeting with the well owners, Senator Jon Erpenbach, and Paul Heinen. The well owners have indicated that past costs have been about the same over the past 8 years, about \$1500 per residence per year. So the total for the two owners would be around \$24,000.

The issue of past treatment costs is not addressed in the ROD or other documents, that I know of, so the State is not obligated to pay them, either as a regulatory agency or as the settling performing party in the consent decree. But in that latter role, we seem to have the option of considering the well owners' request for compensation from the money received from the other PRPs.

To give you something to react to as you form your opinion on this question, I recommend that we offer \$12,000 to each of the two well owners, for no other reason than fairness. It is true that the Stoppleworths got a settlement from the Refuse Hideaway, Inc. insurance company, apparently primarily for lost property value and only indirectly for the well contamination. The previous owner of the Noles' property also received a settlement, the Noles did not. As mentioned above, one of the remedies selected in the ROD is providing point-of-entry treatment for all wells above the MCLs. I don't think the intent of the signers of the ROD was to let almost 6 years go by without a recorded consent decree, while the well owners were paying the two system's O&M costs.

But, hey, what do you think? Please give me your opinion by January 10 after we are all back from holiday vacations. Thanks! If anyone else should be included here, please let me know.

Hank

Hank Kuehling
Remediation & Redevelopment Hydrogeologist
phone: (608) 275-3286
kueh1h@dnr.state.wi.us

Kuehling, Harlan H

From: Kuehling, Harlan H
Sent: Thursday, January 04, 2001 9:27 AM
To: Heinen, Paul H
Cc: McCutcheon, Patrick
Subject: RE: RHL - Compensation For Owners of Impacted Private Wells For Past Treatment Costs

Hi, Paul,
Deb Johnson, Mark Giesfeldt, and perhaps others are on vacation until next week, which is the reason for my giving all the players until January 10 to respond.

The next step in finalizing the consent decree with EPA and the other PRPs is still receiving a revised draft consent decree from EPA in response to the last meeting we had in December. I don't know when that is coming.

I called and left a message several weeks ago with the Noles regarding their preference for protective devices for the deep well in their front yard that Shirley requested, but didn't receive a return call from them. I called again this morning, talked to Steve Noles, and will wait to hear from them after they decide what they prefer.

I plan to have the untreated water from the Stoppleworth and Noles wells sampled again in February, which will begin a quarterly monitoring schedule for these two wells.

That's all for now. Thanks for staying involved in these matters, Paul.

Hank

From: Heinen, Paul H
Sent: Thursday, January 04, 2001 8:39 AM
To: Brusca, Joseph W; Giesfeldt, Mark F; Gordon, Mark E; Johnson, Deborah D - DNR Legal; Strous Jr, Robert E; Kuehling, Harlan H; McCutcheon, Patrick
Cc: Peterson, Philip; Remington, Frank D.
Subject: RE: RHL - Compensation For Owners of Impacted Private Wells For Past Treatment Costs

BOY IS MUFFY EVER SMART. DEB... WHERE ARE WE ON THIS?

PAUL

Paul Heinen, AD/5
Central Office - Madison
608-266-2120

From: McCutcheon, Patrick
Sent: Wednesday, January 03, 2001 4:50 PM
To: Brusca, Joseph W; Giesfeldt, Mark F; Gordon, Mark E; Johnson, Deborah D - DNR Legal; Strous Jr, Robert E; Kuehling, Harlan H
Cc: Peterson, Philip; Remington, Frank D.; Heinen, Paul H
Subject: RE: RHL - Compensation For Owners of Impacted Private Wells For Past Treatment Costs

Considering everything else with this site, it seems a small price to pay at this point. While I understand the reluctance to allow these property owners to double dip, so to speak, and be reimbursed more than once for the same impact, it seems to me that our expenses for arguing, and possibly litigating, against paying them anything would probably exceed what they are asking for. I guess I could agree to pay them. I'm not sure paying them a fraction of what they spent, even if it is ~50%, without **very** good justification is a wise idea. Those are my thoughts.

Pat

Patrick McCutcheon
Remediation & Redevelopment Team Supervisor
South Central Region
mccutp@dnr.state.wi.us
(608) 275-3241

From: Kuehling, Harlan H
Sent: Thursday, December 21, 2000 2:38 PM
To: Brusca, Joseph W; Giesfeldt, Mark F; Gordon, Mark E; Johnson, Deborah D - DNR Legal; McCutcheon, Patrick; Strous Jr, Robert E
Cc: Peterson, Philip; Remington, Frank D.; Heinen, Paul H
Subject: RHL - Compensation For Owners of Impacted Private Wells For Past Treatment Costs

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But, hey, what do you think? Please give me your opinion by January 10 after we are all back from holiday vacations. Thanks! If anyone else should be included here, please let me know.

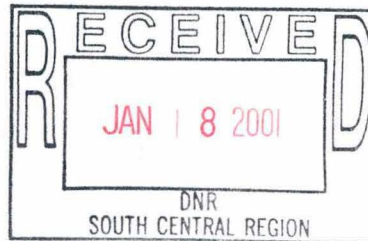
Hank

Hank Kuehling
Remediation & Redevelopment Hydrogeologist
phone: (608) 275-3286
kueh1h@dnr.state.wi.us

SCS FIELD SERVICES

January 17, 2001
File No. 07197026.00

Mr. Paul H. Nehm
Director of Operations and Maintenance
Madison Metropolitan Sewerage District
1610 Moorland Road
Madison, WI 53713



Subject: Results of Leachate Analysis - Refuse Hideaway Landfill, Permit NTO-5F

Dear Mr. Nehm:

On behalf of our client, the Wisconsin Department of Natural Resources, SCS Field Services, Inc. hereby submits the laboratory analytical results of a leachate sample collected from the subject site. All analyzed compounds are below the effluent limitations contained in the site's discharge permit.

The sample was collected on September 25, 2000, and received by the laboratory on September 26, 2000. Copies of the analysis and chain of custody are attached.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations.

If you have any questions, please feel free to contact me at (512) 440-1888.

Sincerely,

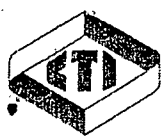
A handwritten signature in black ink, appearing to read "W. O. Reed".

William O. Reed
Regional Manager
SCS FIELD SERVICES, INC.

WOR/jab
Enclosure

cc: Harlan Kuehling, P.G. - WDNR





ANALYTICAL REPORT

1 of 1

ENVIRONMENTAL SAMPLING CORP.
FRANK PERUGINI
PO BOX 12
MUSKEGO, WI 53150

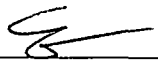
Project Name: REFUSE HIDEAWAY
Contract #: 552
Project #:
Folder #: 9756
Purchase Order #:
Arrival Temperature: See COC
Report Date: 10/3/00
Date Received: 9/26/00

CTI LAB#:	40191	Sample Description:	LEACHATE TANK	Sampled:	9/25/00	1845
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
Inorganic Results										
Total Cyanide	10.3	ug/L	9 *	30	1		10/2/00	10/2/00	JDC	EPA 9012 A
Total Hexavalent Chromium	240	ug/L	16	56	4	B,M		10/2/00	MMC	EPA 7196A
Metals Results										
Total Cadmium	<0.4	ug/L	0.4	1.2	1		9/28/00	9/29/00	NAH	EPA 6010B
Total Chromium	39.7	ug/L	1.1	3.6	1		9/28/00	9/29/00	NAH	EPA 6010B
Total Copper	3.0	ug/L	2.0 *	6.6	1		9/28/00	9/29/00	NAH	EPA 6010B
Total Lead	6.4	ug/L	1.1	3.6	1		9/28/00	9/29/00	NAH	EPA 6010B
Total Nickel	131	ug/L	4	12	1		9/28/00	9/29/00	NAH	EPA 6010B
Total Selenium	8.4	ug/L	2.8 *	9.4	1		9/28/00	9/29/00	NAH	EPA 6010B
Total Silver	0.43	ug/L	0.3 *	1.1	1		9/28/00	9/29/00	NAH	EPA 6010B
Total Zinc	77.7	ug/L	7	23	1	M	9/28/00	9/29/00	NAH	EPA 6010B
Total Mercury	<0.12	ug/L	0.12	0.39	1	M	9/28/00	9/29/00	JMP	EPA 7470

Notes: * Indicates Value in between LOD and LOQ.

All samples were received intact and properly preserved unless otherwise noted. The results reported relate only to the samples tested. This report shall not be reproduced, except in full, without written approval of this laboratory. The Chain of Custody is attached.

Submitted by: 
Record Reviewer

WI DNR Lab Certification Number: 157066030
DATCP Certification Number: 289

QC Qualifiers

<u>Code</u>	<u>Description</u>
A	Analyte averaged calibration criteria within acceptable limits.
B	Analyte detected in associated Method Blank.
C	Toxicity present in BOD sample.
D	Diluted Out.
E	Safe, No Total Coliform detected.
F	Unsafe, Total Coliform detected, no E. Coli detected.
G	Unsafe, Total Coliform detected and E. Coli detected.
H	Holding time exceeded.
J	Estimated value. The result is less than the reporting limit, but greater than the MDL.
L	Significant peaks were detected outside the chromatographic window.
M	Matrix spike and/or Matrix Spike Duplicate recovery outside acceptance limits.
N	Insufficient BOD oxygen depletion.
O	Complete BOD oxygen depletion.
P	Concentration of analyte differs more than 40% between GC columns.
Q	Laboratory Control Sample outside acceptance limits.
S	Surrogate and/or internal standard recovery outside acceptance limits due to apparent matrix effects.
T	Sample received with improper preservation or temperature.
V	Raised Quantitation or Reporting Limit due to limited sample amount or dilution for matrix background interference.
W	Sample amount received was below program minimum.
X	Analyte exceeded calibration range.
Y	Replicate/Duplicate precision outside acceptance limits.
Z	Calibration criteria exceeded.

WI DNR Lab Certification Number: 157066030
DATCP Certification Number: 289

Johnson, Deborah D - DNR Legal

From: Peterson, Philip
Sent: Monday, January 22, 2001 10:22 AM
To: Meyer, Linda L
Cc: Remington, Frank D.; Kuehling, Harlan H; Johnson, Deborah D - DNR Legal; Gordon, Mark E; Kloppenburg, JoAnne F.
Subject: RE: Refuse Hideaway Landfill -- Authority under CERCLA

Thanks, Linda, for your very thorough and helpful response. Deb, do you think we should be asking the Governor's office for a request for Refuse Hideaway? We are very close to finalizing the consent decree with EPA. Thanks

PHILIP PETERSON
Wisconsin Department of Justice
(608) 267-2061
fax 266-2250

-----Original Message-----

From: Meyer, Linda L
Sent: Monday, January 22, 2001 9:02 AM
To: Peterson, Philip
Cc: Remington, Frank D.; Kuehling, Harlan H; Johnson, Deborah D - DNR Legal
Subject: RE: Refuse Hideaway Landfill -- Authority under CERCLA

Phil:

I am not familiar with the federal Clean Air Act and I have only read the *DNR v. Murphy Oil* decision once, but it is my understanding that the federal clean air program can be delegated to the states (if a state has statutory authority and rules that are as stringent as the federal clean air statutes and regulations) and that Wisconsin has a delegated program (much like our delegated hazardous waste program). It is my understanding that when Wisconsin implements a federally delegated program, it is administering and enforcing state law, not federal law.

The federal Superfund program is different. CERCLA does not provide for delegation to the states. However, CERCLA does specifically give the states a role in the federal superfund process and specifically gives the states inspection authority and enforcement authority under CERCLA and the right to participate in consent decree negotiations. For example, see 42 U.S.C. ss. 9621 (e)(2) which provides "(2) A State may enforce any Federal or State standard, requirement, criteria, or limitation to which the remedial action is required to conform under this chapter in the United States district court for the district in which the facility is located. . . ." and 42 U.S.C. ss. 9621 (f)(1)(F), which provides that federal regulations are to be adopted that include "(F) Notice to the State of negotiations with potentially responsible parties regarding the scope of any response action at a facility in the State and an opportunity to participate in such negotiations and, subject to paragraph (2), be a party to any settlement." (Paragraph (2) refers to administrative orders issued pursuant to 42 U.S.C. ss. 9606.)

I'd suggest that you talk to Tom Steidl, Mike Scott or Marcia Penner about the federal Clean Air Act and the *DNR v. Murphy Oil* decision, but it is my understanding that the *DNR v. Murphy Oil* decision is not relevant to the Refuse Hideaway Landfill case for the reasons outlined above.

In response to your second question, about obtaining a referral letter from the Governor, it is my understanding that WDOJ has the authority to defend a state agency that is alleged to be a PRP for a Superfund site under section 165.25 (6)(c), Wis. Stats., without a request from the Governor to do so. However, Jim Kurtz has taken the position in past cases that the phrase "if requested by the governor or either house of the legislature" that is found in section 165.25 (1), Wis. Stats., applies in situations where the DNR is wearing its regulatory hat and asks WDOJ to initiate a lawsuit in federal court under CERCLA seeking enforcement of CERCLA (which usually means the filing of a proposed consent decree to settle the enforcement matter). I sought approval from Governor Thompson to authorize WDOJ to file a lawsuit in federal court about six months ago for the Sheboygan River and Harbor Superfund Site (because we had hopes at that time that we might be able to negotiate a consent decree with Tecumseh Products Co.). The Governor's office responded that they would consider our request if and when a proposed consent decree had been negotiated and agreed upon (which hasn't happened yet). If a similar request has not already been made for the Refuse Hideaway Landfill, it is my opinion that DNR should send a letter to the Governor's office

asking the Governor to request WDOJ to file a lawsuit in federal court in order to lodge the proposed consent decree with the court to settle the Refuse Hideaway Landfill case.

Linda Meyer

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From: Peterson, Philip
Sent: Friday, January 19, 2001 3:18 PM
To: Johnson, Deborah D - DNR Legal; Meyer, Linda L
Cc: Kuehling, Harlan H; Remington, Frank D.
Subject: Refuse Hideaway Landfill -- Authority under CERCLA

Deb and Linda - Hank Kuehling, Frank Remington, and I had another telephone conference call this morning to negotiate the terms of the consent decree for the Refuse Hideaway Landfill. EPA Region 5 Attorney Jacqueline Kline and USDOJ Attorney Frank Biros spoke for EPA. At the end of the call, Biros asked what effect, if any, Judge Crabb's recent order in *DNR v. Murphy Oil* may have here. Shari Eggleston was the attorney for the State of Wisconsin in *Murphy Oil*. In *Murphy Oil*, Judge Crabb concluded that in that case the Wisconsin AG had no power to bring an action against Murphy Oil under the federal Clean Air Act. Do either of you have thoughts on what effect if any that case may have here? Frank and I said we did not believe that *Murphy Oil* was controlling here. In large part, the State is a defendant in the Refuse Hideaway matter, so the AG may appear and defend. Wis. Stat. s. 165.25(6)(e). But in the Refuse Hideaway matter, DNR also seeks environmental enforcement under CERCLA. Do either of you have thoughts on our authority to pursue those CERCLA enforcement claims here? DOJ has a referral letter from DNR for Refuse Hideaway. I suppose the question then, is whether that is enough for us to pursue a CERCLA case. I am told that in the past a referral letter from the Governor may have been obtained for some CERCLA cases or perhaps one letter may have been obtained as a blanket referral by the Governor for all CERCLA cases referred within maybe a year's time. Do you know whether any request by the Governor may apply for the Refuse Hideaway case? Please let me know what your experience has been on these matters and what you think about these questions. Thanks. -- Phil

PHILIP PETERSON
Wisconsin Department of Justice
(608) 267-2061
fax 266-2250

Johnson, Deborah D - DNR Legal

From: Kuehling, Harlan H
Sent: Monday, January 22, 2001 11:18 AM
To: Giesfeldt, Mark F; Gordon, Mark E; Johnson, Deborah D - DNR Legal
Cc: Peterson, Philip; Remington, Frank D.
Subject: RHL - 01/19/01 Conference Call With EPA

Frank, Phil, and I survived, barely, another conference call with EPA and several private party attorneys last Friday; I am sure that they are saying the same thing. Slowly, we are getting closer to agreement on the content of the consent decree.

I mainly want to report on the issue of future liability for the site if a "reopener" event occurs and the issue of the \$150,000 that we included as a possible part of larger package to deal with EPA's future costs. This issue was very contentious (I would guess that the private attorneys were surprised that so much controversy could exist between to governmental agencies!). The State offered to take responsibility for any "reopener" situations if EPA would relinquish their claim to the \$150,000. The "privates" were taking our side on this issue for the obvious reason that they want out from under any and all future liability exposure for this site. The solution currently being considered by EPA that was suggested by Buck Sweeney is EPA would "give back" \$100,000 and would also "give back" one-third of all money pledged by PRPs that hadn't settled their liability as of the Friday conference call, up to \$150,000 of new pledge money (one-third of this total being the \$50,000 of the State's remaining commitment to EPA). We have no guarantee that EPA will do any more "collection" work, but we did note four or five PRPs that are likely to settle with some prodding, one of them being one of the transporters.

It was obvious, after what seemed like an hour of wrangling, that EPA was not going to agree to give up the \$150,000, and the suggested compromise appeared to be very favorable for the State. Consequently, Frank stated that the terms of the compromise were acceptable to the State. EPA is in the process of considering the proposal.

Revisions of smaller significant will either be made to the consent decree or may need to be discussed, but my impression is that all parties are very close to agreeing to the contents of the consent decree. EPA will attempt to send a revised draft by the middle of this week.

It was noted by one of the law firm attorneys that, as of the time of the conference call, EPA was getting \$700,000 and the State would receive \$2.6 million for past and future costs and \$55,700 to complete the work required by the administrative order on consent for the "Group of 42" PRPs.

Frank and Phil: if you want to add to or revise anything reported here, please do so. I would appreciate it.

Hank

Hank Kuehling
Remediation & Redevelopment Hydrogeologist
phone: (608) 275-3286
kuehnh@dnr.state.wi.us

Kuehling, Harlan H

From: Fagiolo.John@epamail.epa.gov[SMTP:Fagiolo.John@epamail.epa.gov]
Sent: Thursday, February 01, 2001 10:51 AM
To: Kuehling, Harlan H
Cc: Remington, Frank D.; Peterson, Philip; Kline.Jacqueline@epamail.epa.gov; Frank.Biros@usdoj.gov
Subject: RHL Preliminary Answers

Hi Hank - Thanks for your comments on the RD and RA SOWs. I am still working on cleaning the language up as best as I can, but it looks like most of your comments are really questions that need some clarification.

In the mean time, here are a couple of answers IN BOLD CAPS to your 3 Consent Decree comments. Hopefully these should answer your questions on the CD.

p. 14 The definition of "Work" still is vague and hard to apply in the pursuit of a certificate of completion of the "Work".

THE "WORK" IS A DIFFICULT CONCEPT TO ENVISION BECAUSE WHOEVER DRAFTED THE NCP AND THE SUPERFUND LAW LIKELY HAD NO FIELD EXPERIENCE.

THE COMPLETION OF THE RA IS SIMPLY UNTIL THE GROUNDWATER CLEANUP STANDARDS ARE ACHIEVED FOR 8 QUARTERS.

THE WORK INCLUDES THE RA AND ALSO ANYTHING THAT NEEDS TO CONTINUE TO OPERATE EVEN AFTER THE GROUNDWATER CLEANUP STANDARDS ARE ACHIEVED, UNTIL SUCH TIME AS WDNR DECIDES THAT IT NO LONGER WANTS RESPONSIBILITY FOR THE PROPERTY AND WANTS TO WALK AWAY.

THE RA CONSISTS OF:

- (1) SITE SECURITY BY MAINTENANCE AND REPAIR OF THE EXISTING FENCE AND GATE AS NEEDED**
- (2) UPGRADE, MODIFICATION, REPAIR, AND MAINTENANCE OF THE LANDFILL CAP**
- (3) UPGRADE, REPAIR, MAINTENANCE, AND OPERATION OF THE EXISTING LEACHATE COLLECTION SYSTEM AS NEEDED**
- (4) OFF-LOADING OF COLLECTED LEACHATE AND TRANSPORT TO AN APPROPRIATELY LICENSED WASTEWATER TREATMENT FACILITY**
- (5) UPGRADE, REPAIR, MAINTENANCE, AND OPERATION OF THE EXISTING LANDFILL GAS COLLECTION AND DESTRUCTION (FLARE) SYSTEM(S)**
- (6) MONITORING GROUNDWATER FOR ATTAINMENT OF GROUNDWATER RAOS**
- (7) INSTALLATION OF ADDITIONAL POINT OF ENTRY (POE) WATER TREATMENT SYSTEMS, AS NEEDED**
- (8) MONITORING AIR QUALITY ON AND AROUND THE SITE, IF NECESSARY.**

ONCE THE GROUNDWATER CLEANUP STANDARDS ARE ACHIEVED, THE RA IS COMPLETED, THE GROUNDWATER IS CLEAN, AND (6) GROUNDWATER MONITORING, (7) POE SYSTEMS CAN STOP.

BUT:

(9) WHO WILL INSPECT THE PROPERTY LF CAP and FLARE BLDG., MOW THE GRASS, REPAIR OR TAKE DOWN THE FENCE AFTER THE GROUNDWATER IS CLEAN??

(10) LEACHATE WILL PROBABLY CONTINUE TO ACCUMULATE EVEN AFTER THE GROUNDWATER IS CLEAN (THE GROUNDWATER IS CLEAN BECAUSE LEACHATE IS BEING COLLECTED). WHO WILL KEEP OFF-LOADING AND TRUCKING LEACHATE?? WHO WILL PROVE THE LEACHATE IS CLEAN AND WON'T RE-CONTAMINATE CLEAN GROUNDWATER??

(11) LANDFILL GAS MIGHT STILL BE GENERATED EVEN AFTER GROUNDWATER IS CLEAN. WHO WILL CONTINUE THE O&M OF THE LF GAS SYSTEM INDEPENDENT OF THE GROUNDWATER??

WDNR CAN DISCONTINUE POINTS (10) AND (11) BEFORE THE GROUNDWATER CLEANUP STANDARDS ARE ACHIEVED BY SHOWING THAT THE LEACHATE IS CLEAN AND LANDFILL GAS IS NOT GENERATED ANYMORE AND PROVING THAT THE LEACHATE TANK DOESN'T NEED TO BE EMPTIED ANYMORE. BUT IF WDNR NEVER GETS THE CHANCE TO SHOW THAT LEACHATE IS CLEAN AND NEVER SHOWS THAT THERE'S NO MORE LANDFILL GAS, (10) AND (11) MIGHT CONTINUE EVEN AFTER THE GROUNDWATER IS CLEAN (RA COMPLETED).

POINT (9) WILL LIKELY CONTINUE AFTER THE RA IS COMPLETE, UNTIL THE STATE DECIDES TO GIVE UP RESPONSIBILITY FOR THE SITE.

AT THAT TIME, WHEN (9) (10) AND (11) ARE STOPPED, AND ALSO AFTER THE RA IS COMPLETED, THE WORK WILL BE COMPLETE.

IF (9) (10) AND (11) ARE STOPPED BEFORE THE GROUNDWATER IS CLEAN, THEN THE WORK WILL BE COMPLETED AT THE SAME TIME WHEN THE RA IS COMPLETED.

THE PROBLEM IS THAT THIS SPECIFIC LANGUAGE (1) THROUGH (11) DOESN'T BELONG IN THE CONSENT DECREE.

p. 44 Is the naming of the U.S. in the supervising contractor's insurance policy a routine requirement and easily done, based on EPA's experience at other sites?

I AM TRYING TO FIND A SPECIFIC SUPERFUND EXAMPLE OF SUCH A CERTIFICATE FOR YOU, BUT I KNOW THAT THE NAMING OF THE UNITED STATES AS AN ADDITIONAL INSURED WITHIN CONTRACTOR'S INSURANCE IS A REQUIREMENT WITHIN MOST (IF NOT ALL) SUPERFUND CONSENT DECREES.

I WOULD BE SURPRISED IF THE CONTRACT ISSUED BY THE STATE OF WISCONSIN THAT WDNR CURRENTLY HAS FOR O&M AT THE SITE DOES NOT ALREADY HAVE THIS INSURANCE REQUIREMENT NAMING THE STATE OF WISCONSIN AS AN INSURED.

I WOULD THINK THAT YOUR CONTRACTOR ALREADY HAS SUCH AN ADEQUATE INSURANCE POLICY IF THEY ARE DOING ENVIRONMENTAL WORK. THEY WOULD NOT BE ABLE TO BID ON MOST ENVIRONMENTAL PROJECTS BECAUSE IT IS SUCH A COMMONPLACE REQUIREMENT FOR FEDERAL, STATE, AND LOCAL GOVERNMENTS.

I THINK THAT IT'S A GOOD IDEA TO E-MAIL YOUR CONTRACTOR ASKING THEM IF THEY CAN PROVIDE YOU WITH A CERTIFICATE DEMONSTRATING THE FOLLOWING REQUIREMENT: A CERTIFICATE OR STATEMENT OF COMPREHENSIVE GENERAL LIABILITY INSURANCE WITH LIMITS OF \$1,000,000, COMBINED SINGLE LIMIT, AND AUTOMOBILE LIABILITY INSURANCE WITH LIMITS OF \$1,000,000, COMBINED SINGLE LIMIT, NAMING THE STATE OF WISCONSIN AS AN ADDITIONAL INSURED.

I WOULD BE VERY SURPRISED: IF THEY DID NOT ALREADY HAVE SUCH A CERTIFICATION, OR IF THEY WERE NOT WILLING TO IMPROVE THEIR EXISTING INSURANCE (THEY HAVE TO HAVE INSURANCE OTHERWISE THEY WOULD NOT BE IN BUSINESS) TO COVER THE STATE (AND ALSO THE U.S.).

AS SOON AS I GET MY HANDS ON AN EXAMPLE, I WILL FORWARD IT TO YOU. IN THE MEAN TIME, REST ASSURED THAT THIS INSURANCE REQUIREMENT IS THE STANDARD FOR MOST IF NOT ALL SUPERFUND SITES. IT IS ALSO A REQUIREMENT FOR LOCAL AND STATE GOVERNMENTS FOR OTHER PUBLIC WORKS SUCH AS STREET PROJECTS, NATIONAL PARKS, MOTION PICTURE FILMING, EVEN FOR LAW ENFORCEMENT CONTRACTORS (ATF, ETC).

p. 69 Is EPA's intent that each notification and submittal from the settling performing party goes to all of the parties listed on this and the next page?

PLEASE SEE JACQUELINE KLINE'S AND FRANK REMINGTON'S E-MAILS OF TUES 1/30/01 THAT ELIMINATES A BUNCH OF THE COPIES FROM THE CONSENT DECREE. WE HAVE DISCUSSED THIS ISSUE HERE AT REGION 5 AND DOJ AND AGREE THAT IT'S NOT NECESSARY FOR ALL OF THE EXTRA COPIES ORIGINALLY SHOWN IN THE "MODEL" CD.

Kuehling, Harlan H

From: Fagiolo.John@epamail.epa.gov[SMTP:Fagiolo.John@epamail.epa.gov]
Sent: Friday, February 02, 2001 12:33 PM
To: kuehlih@dnr.state.wi.us
Cc: Kline.Jacqueline@epamail.epa.gov
Subject: RHL - RD SOW Responses



POETABLE.doc

Hi Hank - Here are my responses to your comments (shown as underlined) on the RD SOW. Response (1) and (6) are the only ones that I think would need an actual language change to the RD SOW. Response (10) might be a problem but I need you to tell me whether it's even possible for you all to find some of the old documents. If not, we should be able to work around it, but let me know. This is a pretty long message, so you might want to print it out.

The other responses are my clarifications that will hopefully give you an idea of what my thoughts are and what WDNR would have to do to successfully complete the RD. E-mail me if you still see problems with these responses.

If you prefer you can call me at 312.886.0800 and we can discuss these 12 points over the phone. Either way, I think that we can get this SOW squared away pretty soon. thanks.

Comments on the RD SOW

(1) Change "respondents" to settling performing party where appropriate. All references to requiring submittals and approvals involving WDNR can be removed since the respondent/settling performing party is now the State via WDNR.

Change to the "State"

I will make the changes to the SOW to reflect WDNR as the respondent and remove "submittals to WDNR" and "approval by WDNR".

Although the respondent is the State via WDNR, the AOC uses the term "respondents" and doesn't define what a settling performing party is. Section XXVIII of the AOC allows it to be modified by mutual agreement between the respondents and EPA. Because the State was never a respondent, we still require the other PRPs to sign off on any AOC modification, but also add the State as a new respondent with its own new signature page. I recommend that we add an "Appendix C - Amendment to AOC" which would include new signature pages and a description of the agreement between the State and the other PRPs. Also we should add "Appendix D - Revised RD Scope of Work".

(2) p.2, top paragraph. What other performance standards are embedded in ARARs, etc. other than the ROD-defined PSs?

Complying with state ARARs is OK; any federal ARARs to be concerned about?

For Refuse Hideaway there are no performance standards other than (a) the groundwater cleanup goals and (b) any other ARAR listed in the ROD (State or Federal statute or regulation). The sentence in the RD SOW which defines performance standards is included only as a model "catch all" to cover EPA in case we forgot anything. See the following Comment (3).

(3) p.10, section III.B.1. What are the "short-term and long-term

performance standards" referred to here, and what is the difference between the two?

An example of a short-term PS would be the State of Wisconsin NR 504 that prohibits landfill gas from entering residences at explosive levels, or NR 508 for leachate. An example of a long term performance standard would be the groundwater cleanup standards and/or MCLs. Remember that performance standards include any and all ARARs.

OK

(4) P.11, section III.C. Task 3, paragraph 1. In what ways must all submittals demonstrate that the RA will meet all objectives of the ROD, AOC, etc.?

This is another model language sentence intended to be a "catch all". The way submittals demonstrate that the RA will meet all objectives of the ROD, AOC, etc. is by the fact that submittals contain information. All WDNR needs to do is include one sentence at the top of Page 1 of any submittal: "This document is submitted as part of the design of the Remedial Action to be implemented at the Site and has been developed using the requirements and objectives of the ROD, ESD, AOC and AOC Amendment as its basis."

OK

(5) Section III.C.1.c. What are "prescribed treatment or operation conditions"?

The description that this sentence requires is a simple description of the conditions under which the piece of equipment normally operates.

OK

Examples: "The landfill gas flare normally operates on an intermittent basis, flaring when gas generated in the collection piping reaches a pre-set pressure". "The leachate collection system is a gravity flow system and collects leachate at a rate equal to the natural precipitation rate in the area." "The groundwater treatment plant and extraction wells operate on a continuous 24 hour a day basis, with a total of 14 days per year planned shut-down at a frequency of 7 days every 6 months."

(6) Section III.C.5.a. What is the intent here? The PSs are already exceeded and are being addressed through source control.

OK

The intent is for contingency if cleanup standards are ever exceeded after the Remedial Action is certified complete. I have added the term "... after the Remedial Action is completed" after the word "exceeded". This requirement is a model language left-over that was never corrected to reflect the RHL situation.

(7) Section III.C.7.b. What is meant by a description of "installation of monitoring components"?

A description of any new wells, piezometers, gas wells, pressure gauges (LF gas), level gauges (leachate tank) that may have been installed during the Remedial Design work. In this specific instance for Refuse Hideaway, there is NO new equipment that was installed during the RD. A simple description of the source control equipment, or, a source control equipment list (itemized table) will suffice for III.C.7.a and 7.b.

OK

(8) Section III.C.9. This schedule is already prescribed in the RA SOW. Why include it here?

A copy of the RA SOW schedule should be included in the O&M Plan only to make it more convenient for the reader of the O&M Plan. But, the RA SOW schedule should also be enhanced with specific estimated dates of equipment replacement. WDNR provided an informal list of estimated replacement dates at the PRP kick-off meeting in Madison in July 2000. This was in the form of a preliminary future cost estimate spreadsheet that assumed when equipment replacement might occur.

OK

(9) Section III.C.10.e. Define what is meant by "personnel and maintenance records".

The O&M Plan should describe how and where WDNR is going to keep track of their O&M contractor (labor hours), equipment and materials used for repair. This description can be two sentences in the O&M Plan such as "WDNR will maintain a contractor administration file in the Madison office that includes contractor invoices. These invoices will summarize labor and equipment used for O&M of the RHL site." A blank contractor invoice might be included in the O&M Plan as an example. Simply put, these records would be whatever records WDNR uses to keep track of the site contractor and what they spend.

We don't keep track of hours, records are at Fitchburg

(10) Section III.C.10.g. I prefer to limit submittal of this information to installations taking place after the CD is "lodged".

I am still strongly recommending that WDNR searches the archived project files to find ANY project documents (construction contract, specifications, invoices, correspondence, sketches, permit, inspection report) that documented the original construction of the source control systems. I consider these documents as part of the "documents specifying the manner in which the Settling Performing Party will perform the Remedial Action at the Site."

Finding this original project information does not have to occur right now. Perhaps WDNR can assign this archive search task to a student aide or librarian who can eventually locate these documents. If these documents do not exist any longer, then that fact must be identified and we will use only existing RI/FS and Pre-Design information in the future.

The main reason for this request is that inevitably there will be someone (utility company, community member, vendor, contractor, consultant, private industry, general information request) who will want to know exactly what is out there. If there are not any drawings or any sort of documentation it will cost time and money in the future to locate underground piping and/or investigate details of existing equipment (fan model numbers / HP / head / eff., well details, flare operation parameters, materials of construction).

It also shows an image that because we can't keep track of what we construct, WDNR and EPA are not very effective. This undermines our credibility when it comes to protection of the public. If we can't perform a simple task such as keeping a simple accurate project file, then who can believe us when we make our decisions regarding the environment??

(11) p.14. Task 4. I am willing to comply with the intent of this section, but I prefer not to have on file such a detailed design on file. It will become obsolete over time and because the required level of detail is not necessary to assure EPA that POE treatment will be installed when needed.

The majority of the information required by Task 4 will be provided by whatever vendor supplies the POE. For Task 4, WDNR only needs to identify for the project file what has to happen for WDNR to install more POE system.

The "addendum or appendix to the O&M plan as provision for design and construction of POE systems" can be one or two pages. The "protocol and procedures describing investigation and action in the event the need for POE water treatment is demonstrated" can be in the same Appendix.

The following nine points is a "first shot" at what EPA would be looking for within the one or two pages of the POE Appendix.

WDNR should use the following paragraphs as a beginning point and add and/or revise actual site information:

(a) There are 2 residences that are affected: Stoppleworth and his neighbor. As part of WDNR's successful responsibility for the Remedial Action at the site, Stoppleworth has received \$X dollars for present and past maintenance of existing POE systems. Any new residences proposed to be constructed near the RHL site will require WDNR approval. At that time, WDNR will also communicate to the builder the potential risk posed by the Site and execute appropriate agreements. Any agreements would document that the home builder is aware of the site risk and that the ultimate resident (or WDNR) shall sample their own water.

OK

(b) The levels of contamination discovered at these residences are summarized as attached Table JVF010202-A, and any residential well containing contaminants at concentrations above the (PAL, ES, MCL) shown constitutes an exceedance for (1,2,3,4, ...) consecutive sampling events.

OK

(c) WDNR is sampling (or not sampling) these residences on an annual basis. (or WDNR has proven or will prove that POE systems are no longer needed)

OK

(d) If an exceedance is documented in any of (or 1 or 2 or 3 consecutive annual hits) the annual sampling events at the residences, WDNR will re-sample (or not re-sample?) that residence (X times??) to confirm the exceedance. An exceedance is defined as 1 (or 2 or 3 consecutive) hits.

OK

(e) If the data in (d) constitutes an exceedance as defined in (d), WDNR will purchase a POE system, Calgon Corporation Model XYZ-123 or equivalent, using funds authorized by the State's Environmental Repair Fund (or however WDNR expects to obtain the POE systems). As part of this purchase, the vendor shall provide their standard product information which includes their standard drawings, plans, and specifications for Model XYZ-123 or equivalent. These drawings, plans, and specifications provided by the vendor may include: piping and instrumentation drawings, process flow drawings, construction ("as-built") drawings, manuals describing operation and maintenance, design assumptions and parameters used by the vendor to size the POE including design restrictions, process performance criteria, and appropriate unit processes and/or expected removal or treatment efficiencies of wastes (concentration and volume). This documentation of expected treatment efficiencies can be the vendor's own information on other similar units installed elsewhere.

From funds from ARPs.

Will provide upon system purchase?

(PS - This is why the existing POE information is worth a simple trip to the project archives -- it will save WDNR a lot of time. I am fairly certain that this information was provided or is otherwise available from the original POE vendor (is it Calgon?) on the existing units. Information on the existing units will also save a lot of time if new ones have to be installed)

I'll look.

(f) WDNR shall provide (or shall not provide) funding to maintain these POE systems as appropriate until such time as the exceedance no longer exists for 8 (or 1 or 2 or 4 or 6?) quarters.

OK

(12) p.15. When will the AOC be amended?

Jacqueline Kline may be the better one to answer this question, but as soon as we have agreement on the SOW. JK will likely have to draft a page or two as "Appendix C - AOC Amendment" with appropriate new signature pages, then "Appendix D" would be the SOW that we agree upon.

(See attached file: POETABLE.doc)

Johnson, Deborah D - DNR Legal

From: Kuehling, Harlan H
Sent: Friday, February 02, 2001 11:45 AM
To: Brusca, Joseph W; Giesfeldt, Mark F; Gordon, Mark E; Heinen, Paul H; Johnson, Deborah D - DNR Legal; McCutcheon, Patrick; Sanford, Renee M; Strous Jr, Robert E
Cc: Peterson, Philip; Remington, Frank D.
Subject: RHL Impacted Private Well Owner Compensation

This is a good time to update you all on the issue of whether the State should compensate the Stoppeworths and the Noles for their past costs for O&M of their water supply point-of-entry treatment systems. By the end of last week, I had heard from central office and SCR managers that all agreed that the two parties should be compensated in the amount they each verbally agreed to; i.e., \$12,000.

Let me note one last time that the State will do this as a PRP for RHL and as the Settling Performing Party as set forth in the draft consent decree currently in negotiation between the State, EPA, and many, many other PRPs. From a precedent standpoint, this is distinctly different from paying past costs such as these as a regulatory agency and the administrator of the Environmental Fund. As the SPP, we will be receiving between \$2,000,000 and \$3,000,000 from other PRPs for the Fund's past and future costs for RHL. The well owners' past costs will be paid from this PRP money as well as from the State's contribution as a major PRP. Note that the State will pay these costs only when the consent decree is finalized, signed by all settling parties, and "lodged" in court, since only after lodging of the CD will the State be the SPP. To all the attorneys in the crowd: let us know if I got any of that wrong.

I have relayed this information by telephone to the two parties of well owners, and have been careful to stress that their compensation will only take place after the CD is finished. My impression is that they are pleased with this progress. I will next draft a letter to be sent to each party which will request that they sign and return it to the Department stating that they are requesting payment for their past costs and agree to a total compensation amount of \$12,000. I will have Deb Johnson review this letter before sending.

The one hurdle that we haven't gotten over is that we (the State) are in a significant disagreement with EPA on how much EPA should be compensated for their past and future costs by the State as the SPP. While this has not been identified as a deal-breaking issue yet, it is adding time to the consent decree process.

Thank you all for your help on this issue of private well owner compensation. (Paul: please pass this information on to Senator Erpenbach, as you and I discussed. Thanks.)

Hank

Hank Kuehling
Remediation & Redevelopment Hydrogeologist
phone: (608) 275-3286
kuehjh@dnr.state.wi.us

Johnson, Deborah D - DNR Legal

From: Heinen, Paul H
Sent: Monday, February 05, 2001 2:48 PM
To: Brusca, Joseph W; Giesfeldt, Mark F; Gordon, Mark E; Johnson, Deborah D - DNR Legal; McCutcheon, Patrick; Sanford, Renee M; Strous Jr, Robert E; Kuehling, Harlan H
Cc: Peterson, Philip; Remington, Frank D.
Subject: RE: RHL Impacted Private Well Owner Compensation

HANK, ET AL:

THANK YOU. I HAVE SHARED WITH SEN.ERPENBACH AND CARRIE (HIS AIDE). THEY HAVE ALREADY SENT "THANK YOUS".

I TRULY BELIEVE WE HAVE MADE SOME LEMONADE HERE.

PAUL

Paul Heinen, AD/5
Central Office - Madison
608-266-2120

From: Kuehling, Harlan H
Sent: Friday, February 02, 2001 11:45 AM
To: Brusca, Joseph W; Giesfeldt, Mark F; Gordon, Mark E; Heinen, Paul H; Johnson, Deborah D - DNR Legal; McCutcheon, Patrick; Sanford, Renee M; Strous Jr, Robert E
Cc: Peterson, Philip; Remington, Frank D.
Subject: RHL Impacted Private Well Owner Compensation

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Hank

Hank Kuehling
Remediation & Redevelopment Hydrogeologist
phone: (608) 275-3286
kuehkh@dnr.state.wi.us

Kuehling, Harlan H

From: Fagiolo.John@epamail.epa.gov[SMTP:Fagiolo.John@epamail.epa.gov]
Sent: Monday, February 05, 2001 5:00 PM
To: Kuehling, Harlan H
Cc: Remington, Frank D.; Peterson, Philip; Gordon, Mark E; Kline.Jacqueline@epamail.epa.gov; Frank.Biros@usdoj.gov
Subject: RHL - RA SOW Responses

Hi Hank - Another long message to clarify some of your original comments (underlined) on the RA SOW. It's probably easier to print this out to read it.

A lot of these questions would have been answered anyway within our RD/RA implementation after CD signature, but in the mean time hopefully the following responses (IN BOLD CAPS) should hopefully explain to you what EPA's thinking is.

Please take a look and e-mail or if you prefer, call 312.886.0800 and we can discuss anything that you still have questions or heartburn about. Thanks !!!

1/25/01 Comments on the RA SOW
p.2. Section II.B.1. Refer not to the PALS here but to the performance standards in the ROD. If the performance standards are ever changed, the change only has to occur in one document.

OK

OK - NO PROBLEM, BUT J. KLINE OF ORC NEEDS TO CONFIRM.

p.5. Section III.F.2. Reduce the level of detail required for the POE treatment system design. Refer to comments above.

I HAVE MADE CHANGES TO THE RA SOW TO ELIMINATE SOME DESIGN DETAILS, BECAUSE THOSE DETAILS WILL BE INCLUDED AS PART OF THE REMEDIAL DESIGN DETAILS. THE DESIGN DETAILS FOR THE POE SYSTEMS ARE DETAILS THAT THE POE VENDOR WILL SUPPLY TO WDNR. POE SYSTEM DETAILS ARE THINGS THAT ARE EASILY INCLUDED AS PART OF THE PROJECT FILE (O&M RECORDS). FOR THE RA (O&M), THE ONLY THING THAT WDNR HAS TO DO IS FOLLOW THE PROCEDURE TO MAKE THE DECISION THAT POE SYSTEM(S) ARE NEEDED, AND THEN CALL CALGON (OR AN EQUIVALENT VENDOR) AND THE VENDOR WILL SUPPLY WDNR WITH ALL THESE DETAILS AS PART OF THE POE SYSTEM PURCHASE.

OK

p.6. Section IV.A.1. As mentioned above, what are the "short-term and long-term performance standards" and what is the difference between the two?

FROM MY E-MAIL MESSAGE OF 2/2/01: AN EXAMPLE OF A SHORT-TERM P.S. WOULD BE THE STATE OF WISCONSIN NR 504 THAT PROHIBITS LANDFILL GAS FROM ENTERING RESIDENCES AT EXPLOSIVE LEVELS, OR NR 508 FOR LEACHATE. AN EXAMPLE OF A LONG TERM PERFORMANCE STANDARD WOULD BE THE GROUNDWATER CLEANUP STANDARDS AND/OR MCLS. REMEMBER THAT PERFORMANCE STANDARDS INCLUDE ANY AND ALL ARARS.

pp.6-7. Section IV.A.1.b. What is the level of compliance expected for the State's QAPP meeting EPA QAPP requirements?

AS WE HAVE INFORMALLY DISCUSSED, WHATEVER IS ALREADY IN THE FILE SHOULD BE ADEQUATE, EXCEPT UPDATED TO REFLECT THE LONG TERM MONITORING THAT HAS TO HAPPEN FOR THE YEARS TO COME.

PLEASE TAKE A LOOK AT THE 1995 RECORD OF DECISION, THE ADMINISTRATIVE RECORD: DOC. #8 4/90 QAPP; DOC. #16 2/94 QAPP; DOC. #47 10/93 PRE-QAPP NOTES; DOC. #59 3/94 DATA VALIDATION; DOC. #66 8/93 DATA VALIDATION; DOC. #85 DQO OBJECTIVES; DOC. #86 LAB DATA VALIDATION GUIDELINES.

OK

WDNR OR THEIR CONTRACTOR CAN PULL, REVIEW, AND UPDATE THESE EXISTING DOCUMENTS. THE ANALYTICAL LEVEL OF DETAIL FOR LONG TERM RA (O&M) SHOULD BE LESS BECAUSE THE LIST OF CONTAMINANTS SHOULD BE REDUCED, AND THE GOAL IS COMPLIANCE WITH CLEANUP STANDARDS, WHICH SHOULD BE EASIER TO ACHIEVE. IN THE EVENT WDNR DOES NOT HAVE A CONTRACTOR, THERE MUST BE SOMEONE "IN-HOUSE" SUCH AS A WDNR SUPPORT CHEMIST WHO CAN EASILY PERFORM THIS TASK. EPA WILL PROVIDE AN ADEQUATE ENOUGH TIME PERIOD FOR WDNR TO GET THESE DOCUMENTS TOGETHER.

p.10. Section IV.D. What is the level of possibility that EPA will request a report of the five-year review? If necessary, the EPA should write its own report of its own review.

THE LEVEL OF POSSIBILITY IS 100 PERCENT. BECAUSE THE SITE HAS BEEN PLACED ON THE FEDERAL SUPERFUND NATIONAL PRIORITIES LIST, IT IS REQUIRED BY LAW THAT FIVE YEAR REVIEWS HAVE TO BE COMPLETED; 5 YEAR REVIEW REPORTS ARE SIGNED BY U.S. EPA.

FOR FEDERAL ENFORCEMENT PRP LEAD SITES, THE PRPS TYPICALLY PERFORM THE 5 YEAR ASSESSMENT. U.S. EPA USES THAT ASSESSMENT TO WRITE A 3-4 PAGE REPORT FOR SIGNATURE BY THE SUPERFUND DIVISION DIRECTOR WITH STATE AGENCY CONCURRENCE.

THE STATE AS AN ENVIRONMENTAL REGULATORY AUTHORITY CAN DRAFT ITS OWN 5 YEAR REVIEW REPORT, BUT IT IS NOT OFFICIAL UNTIL U.S. EPA REVIEWS IT, CONCURS WITH IT, AND THE SUPERFUND DIVISION DIRECTOR SIGNS IT. ** Cheaper, less cumbersome*

IF THE STATE (AS A REGULATORY AGENCY, NOT A PRP) REQUESTS U.S. EPA TO PERFORM THE FIVE YEAR REVIEW ASSESSMENT, U.S. EPA WILL NEED TO HAVE ACCESS TO ALL THE SITE O&M AND MONITORING INFORMATION FOR THE PAST 5 YEARS. U.S. EPA MAY DECIDE TO PERFORM A SITE INSPECTION AND TEST OUT THE LEACHATE / FLARE SYSTEMS (IF POSSIBLE). U.S. EPA WOULD THEN DRAFT AN ASSESSMENT BASED ON U.S. EPA'S OWN INTERPRETATION OF INFORMATION. THE STATE AS A PRP WILL BE REQUIRED TO IMPLEMENT WHATEVER ADDITIONAL WORK THAT U.S. EPA IDENTIFIES WITHIN THE 5 YEAR REVIEW.

THIS 5 YEAR REVIEW WORK BY U.S. EPA WOULD ALSO BE CHARGED TO "OVERSIGHT" COSTS FOR THE PROJECT. IT HAS BEEN KNOWN THAT U.S. EPA USES THEIR OWN CONTRACTOR OR THE CORPS OF ENGINEERS TO DO THIS WORK, INCLUDING THEIR ADMINISTRATIVE COSTS AND (SOMETIMES) CONTRACTOR COSTS.

U.S. EPA WOULD REQUEST THE STATE TO REVIEW THE ASSESSMENT AND REPORT BUT PLEASE NOTE THAT, IF NECESSARY, U.S. EPA CAN APPROVE A 5 YEAR REVIEW REPORT WITHOUT STATE CONCURRENCE. FOR THE MOST PART, HOWEVER, EPA ALWAYS STRIVES TO OBTAIN CONCURRENCE WITH WDNR.

IT IS THEREFORE BETTER THAT THE STATE AS A PRP (OR THEIR CONTRACTOR) DOES A 5 YEAR ASSESSMENT AND DEMONSTRATES THE EFFECTIVENESS OF THE REMEDIAL ACTION (O&M) WORK BEING DONE AT THE SITE, THEN PROVIDES THE ASSESSMENT REPORT TO U.S. EPA.

IF WDNR DECIDES TO DRAFT THE 5 YEAR REVIEW REPORT, THEN U.S. EPA WOULD REVIEW AND CONCUR AND CO-SIGN THE REPORT WITH WDNR.

THE 5 YEAR ASSESSMENT (REPORT) NEEDS TO REVIEW ALL SITE INFORMATION AND COMPARE IT AGAINST WHAT THE GOALS OF THE ROD ARE. THIS INCLUDES WHETHER THE ARARS IDENTIFIED IN THE ROD ARE STILL VALID AND WHETHER THE REMEDY GOALS ARE FEASIBLE FOR THE COST AND EFFORT PUT FORTH AT THE SITE. THE 5 YEAR ASSESSMENT CAN GO SO FAR AS SUGGEST A REVISION TO THE ROD AND/OR ANY OTHER REMEDY DECISION DOCUMENTS.

p.11. Section IV.F. What are the criteria that indicate that the "Work" is done?

THE "WORK" IS COMPLETED: (1) AFTER THE RA IS COMPLETED (8 QUARTERS); AND (2) WHEN STATE IS READY TO WALK AWAY AND LEAVE THE SITE COMPLETELY UNATTENDED FOREVER (AND CAN PROVE THAT INACTIVITY WILL NOT BE HARMFUL).

AFTER THE 8 QUARTERS IS SHOWN, IT IS UP TO THE STATE TO TELL U.S. EPA THAT THERE IS NO LONGER ANY WORK TO BE DONE AT THE SITE. REMEMBER EVEN IF THE CLEANUP GOALS ARE ACHIEVED (RA COMPLETE), THERE MAY STILL BE LEACHATE TO BE TRUCKED AND LAWNS TO BE MOWED OR FENCES TO REPAIR.

HERE IS THE PROCEDURE THAT WDNR SHOULD ANTICIPATE:

(3) KEEP MONITORING, SHOW CONTAMINANTS ARE DECREASING.

(4) WHEN LANDFILL GAS IS NO LONGER GENERATED, WDNR HAS TO SHOW U.S. EPA THAT THE LANDFILL GAS SYSTEM CAN BE DISCONTINUED AND THERE IS ABSOLUTELY NO THREAT TO NEARBY BUILDINGS.

(5) THE FIRST QUARTER THAT WE SEE GROUNDWATER CONTAMINANTS AT OR BELOW CLEANUP STANDARDS, SLOW DOWN OR DISCONTINUE LEACHATE OFF-LOADING TO SEE HOW (IF) LEACHATE IS AFFECTING GROUNDWATER.

(6) BETWEEN QUARTER 1 AND Q8, WE SEE WHETHER LEACHATE IS AFFECTING GROUNDWATER. IF CESSATION OF LEACHATE OFF-LOADING DOES NOT INCREASE GROUNDWATER CONTAMINATION, THEN AFTER Q8, BOTH THE RA AND THE WORK IS COMPLETE, IF THE LANDFILL GAS SYSTEM IS NOT NEEDED ANY MORE, AND AS LONG AS THE GROUNDWATER CLEANUP STANDARDS WERE MET AND MAINTAINED FOR THE 8 QUARTERS.

(7) THE WORK COULD THEN BE CERTIFIED AS COMPLETE IF AFTER Q8, THE STATE PROVES TO U.S. EPA THAT NO ONE NEEDS TO MOW THE GRASS AND THE FENCE CAN FALL DOWN OR BE REMOVED BECAUSE IT'S CLEAN.

(8) ONCE THE SITE IS CLEAN (8 QUARTERS) AND IT IS SHOWN THAT THE SOURCE CONTROL SYSTEMS ARE NOT NEEDED ANYMORE, AND IT'S NOT NEEDED TO MOW THE LAWN OR KEEP THE FENCE IN GOOD SHAPE THEN THE PROCEDURE TO REMOVE THE SITE FROM THE NATIONAL PRIORITIES LIST CAN BE STARTED. I THINK IT TAKES A YEAR FOR THIS TO HAPPEN BECAUSE IT REQUIRES A PUBLIC COMMENT PERIOD AND HAS TO BE PUBLISHED IN THE FEDERAL REGISTER (SIMILAR TO THE PROCESS FOR A RECORD OF DECISION).

p.12. Section IV.G.1. Being responsible for "any studies and investigations" is too broad a potential liability. This phrase should be better defined and narrowed in scope.

I HAVE NOT CHANGED THIS LANGUAGE.

THE STUDIES AND INVESTIGATIONS REQUIRED FOR THE FIVE YEAR ASSESSMENT SHOULD ONLY BE THE LONG TERM MONITORING DATA THAT WDNR COLLECTS AS PART OF O&M AND NOT ANY "EXTRA" STUDIES.

THE "STUDIES AND INVESTIGATIONS" SENTENCE IS ONLY INCLUDED FOR THE VERY UNLIKELY CHANCE THAT THERE WILL BE A CLAIM MADE BY WDNR BUT U.S. EPA NEEDS TO CONFIRM THE CLAIM WITH ANOTHER STUDY OR INVESTIGATION.

FOR EXAMPLE, IF WDNR CERTIFIES THAT THE LANDFILL GAS SYSTEM IS NO LONGER NEEDED, BUT WDNR FORGETS TO COLLECT GAS DATA, THEN U.S. EPA MIGHT REMIND WDNR THAT A GAS STUDY IS NEEDED.

P.12. Section IV.G.2. 2 typos. Line 6: "??Settling Performing Party shall submit an Inspection for?.." Line 11: "??of the requirements of th (strikethrough: e)is Consent Decree."

J. KLINE HAS NOTED THAT IT SHOULD BE "REQUIREMENTS OF THE CONSENT DECREE" AND I DEFER TO HER BETTER KNOWLEDGE OF LEGAL LANGUAGE.

p.15. Schedule. Does "EPA Notice of Acceptability" referring to acceptability of the supervising contractor or something else?

YES; U.S. EPA NOTICE OF ACCEPTABILITY REFERS TO THE SIMPLE WRITTEN NOTICE FROM U.S. EPA AFFIRMING WDNR'S SELECTION OF A SUPERVISING CONTRACTOR.

Kuehling, Harlan H

From: Fagiolo.John@epamail.epa.gov[SMTP:Fagiolo.John@epamail.epa.gov]
Sent: Tuesday, February 13, 2001 3:59 PM
To: Kuehling, Harlan H
Cc: Kline.Jacqueline@epamail.epa.gov; Frank.Biros@usdoj.gov; Remington, Frank D.; Gordon, Mark E; Peterson, Philip
Subject: RHL RD / RA Schedule

Hank - I have been informed that an **Amendment to the AOC is not necessary**. This changes the RD SOW somewhat because the original RD SOW schedule was based on "the effective date of the AOC Amendment".

Section V.6.f of the Consent Decree states "As of the effective date of this Consent Decree, the **Settling Performing Party shall be substituted for the Performing Parties under the AOC**, and shall be responsible for the satisfactory performance and completion of all obligations under the AOC, and the Performing Parties under the AOC shall be discharged from further responsibility under the AOC."

Section XXVII of the RA Consent Decree says that "the **effective date of this Consent Decree shall be the date upon which this Consent Decree is entered by the Court**, except as otherwise provided herein."

Therefore, in effect, any "effective date of the AOC Amendment" is the date that the CD is entered in Court. FYI, as an example, for the Consent Decree for my Bofors Nobel project, we lodged the CD on 9/22/99 and it was entered 3 months later on 12/7/99.

I would like to **base the due dates** for Remedial Design documents on the **LODGING** of the Consent Decree, and mingle them with the schedule for Remedial Action documents.

What would constitute **completion of the Remedial Design will be the start of Remedial Action**. In other words, the Completion Date for the Remedial Design will be the same as the Start Date for the Remedial Action, which would be the date when all the documents are finalized.

What follows is what I think should be the schedule for WDNR submissions. I AM ONLY CHANGING LANGUAGE IN THE RD SOW, AND THE RD SCHEDULE TO REFLECT THE FOLLOWING. I AM NOT CHANGING THE RA SOW:

15 DAYS AFTER CD LODGING

(1) WDNR sends a letter to EPA "**summarizing qualifications of Supervising Contractor**". Basically, a letter summarizing who WDNR has selected as their contractor(s). EPA would then immediately send a reply letter, constituting the Notice of Acceptability.

2 MONTHS AFTER CD LODGING:

(2) **DRAFT GW Monitoring Program (RD DOCUMENT)** ← *Step/Phase identification?*

3 MONTHS (90 DAYS) AFTER CD LODGING

Source document?
(3) **Draft RD Report (RD DOCUMENT)** which can simply be a few pages that describe the contractor's assessment of the source control systems existing at the site. Basically an update of the current operational status and the effectiveness of those systems. Also any evaluation of methods that the contractor would recommend (IF ANY) to optimize the effective operational life of each of the source control systems (ANY ANTICIPATED REPAIR OR

What happens to allow lodging? When does that happen?

REPLACEMENT), recognizing that source control measures play an important role in reducing groundwater VOC concentrations. In the RD Report, the contractor should identify operational criteria relevant to the remedy (EXAMPLE: VACUUM FAN OPERATES INTERMITTENTLY AT XXX CUBIC FEET PER HOUR BASED ON SYSTEM PRESSURE, SET POINT OF CONTROL VALVE IS XX INCHES OF WATER COLUMN; SET POINT CAN BE ADJUSTED AS NEEDED. FLARE OPERATES OCCASIONALLY, BASED ON SYSTEM PRESSURE).

4 MONTHS (120 DAYS) AFTER CD LODGING

(4) O&M Plan DRAFT (RD DOCUMENT)

4 MONTHS (120 DAYS) AFTER EPA NOTICE OF ACCEPTABILITY
(TOTAL TIME = 15 DAYS AFTER LODGING PLUS HOWEVER LONG EPA TAKES TO REPLY PLUS ANOTHER 120 DAYS)

(5) Performance Standard Verification Plan (RA DOCUMENT) comprised of the (2) Groundwater Monitoring Program SAME AS ABOVE, (6) a QAPP, and (7) Field Samp. Plan. IF THE GW MONITORING PROGRAM HAS NOT YET BEEN APPROVED BY EPA AT THIS TIME, THEN THE DRAFT VERSION ALREADY SUBMITTED, (2) ABOVE WILL BE REVIEWED AT THIS POINT IN TIME AND APPROVED WITH THE QAPP AND FSP, WITH COMMENTS AS NEEDED.

(8) Updated or amended Health and Safety Plan (RA DOCUMENT)

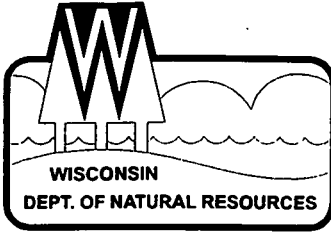
(3) Updated or amended O&M Plan (RA DOCUMENT). THIS WOULD BE RE-SUBMITTED IF THERE WERE ANY CHANGES TO THE (4) DRAFT.

IF EPA HAS ANY COMMENTS ON THE GW MONITORING PROGRAM, RD REPORT, OR O&M PLAN, WDNR HAS 2 MONTHS (SEE RD SOW SCHEDULE) TO IMPLEMENT EPA'S COMMENTS. THE 2 MONTHS STARTS WHENEVER WDNR RECEIVES EPA'S COMMENTS.

ONCE DOCUMENTS (1) THROUGH (8) ARE COMPLETELY APPROVED BY EPA, THEN THE REMEDIAL ACTION COMMENCES (OR OTHERWISE CONTINUES) AND THE REMEDIAL DESIGN IS COMPLETE.

I am cleaning up the RD SOW to reflect the above schedule. I will shortly be sending a clean version of the Final RD SOW and the Final RA SOW.

Please let me know if you have any questions or problems, e-mail or call 312.886.0800. Thanks.



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Tommy G. Thompson, Governor
George E. Meyer, Secretary
Ruthe E. Badger, Regional Director

South Central Region Headquarters
3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711-5397
Telephone 608-275-3266
FAX 608-275-3338
TDD 608-275-3231

February 16, 2001

Mr. Jerry Wagner
7902 USH 14
Cross Plains, WI 53528

File Ref: 113112010
Dane County

SUBJECT: Results of Drinking Water Quality Testing, November 2000

Dear Mr. Wagner:

Drinking water samples were collected from your home in November 2000 by Environmental Sampling Corporation and submitted to the laboratory of Commonwealth Technology, Inc. for analysis. This testing was performed at the request of the Department of Natural Resources (DNR) as part of the long-term groundwater monitoring associated with the Refuse Hideaway Landfill.

Your well water was tested for the presence of volatile organic compounds (VOCs). As you can see from the enclosed laboratory results sheet, no VOCs were detected in your well water. Therefore, it does not appear that the Refuse Hideaway Landfill or any other contaminant source has impacted the water quality of your well with VOC contamination at this time.

If you have any questions about our work at the landfill or the enclosed drinking water quality results, please contact me at the address listed above or you can also contact me as indicated below.

Sincerely,

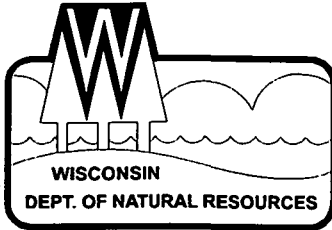
Hank Kuehling, P.G.
Remediation and Redevelopment Hydrogeologist
(608) 275-3286
kuehlh@dnr.state.wi.us

enclosure

cc: Dr. Henry Anderson - DHFS
Frank Perugini - ESC
DG/SCR

Quality Natural Resources Management
Through Excellent Customer Service





State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Tommy G. Thompson, Governor
George E. Meyer, Secretary
Ruthe E. Badger, Regional Director

South Central Region Headquarters
3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711-5397
Telephone 608-275-3266
FAX 608-275-3338
TDD 608-275-3231

February 16, 2001

Sharon Foster & Arne Thesen
4310 Fawn Court
Cross Plains, WI 53528

File Ref: 113112010
Dane County

SUBJECT: Results of Drinking Water Quality Testing, November 2000

Dear Mr. Theseau and Ms. Foster:

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Sincerely,

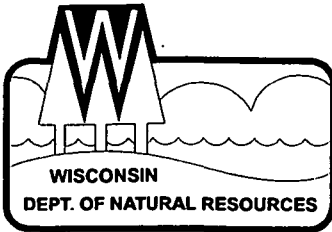
Hank Kuehling, P.G.
Remediation and Redevelopment Hydrogeologist
(608) 275-3286
kuehlh@dnr.state.wi.us

enclosure

cc: Dr. Henry Anderson - DHFS
Frank Perugini - ESC
DG/SCR

*Quality Natural Resources Management
Through Excellent Customer Service*





State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

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George E. Meyer, Secretary
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South Central Region Headquarters
3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711-5397
Telephone 608-275-3266
FAX 608-275-3338
TDD 608-275-3231

February 16, 2001

Daniel & Patricia Sommers
7892 Deer Run Road
Cross Plains, WI 53528

File Ref: 113112010
Dane County

SUBJECT: Results of Drinking Water Quality Testing, November 2000

Dear Mr. and Ms. Sommers:

Drinking water samples were collected from your home in November 2000 by Environmental Sampling Corporation and submitted to the laboratory of Commonwealth Technology, Inc. for analysis. This testing was performed at the request of the Department of Natural Resources (DNR) as part of the groundwater monitoring associated with the Refuse Hideaway Landfill.

Your well water was tested for the presence of volatile organic compounds (VOCs). As you can see from the enclosed laboratory results sheet, no VOCs were detected in your well water. Therefore, it does not appear that the Refuse Hideaway Landfill or any other contaminant source has impacted the water quality of your well with VOC contamination at this time.

If you have any questions about our work at the landfill or the enclosed drinking water quality results, please contact me at the address listed above or you can also contact me as indicated below.

Sincerely,

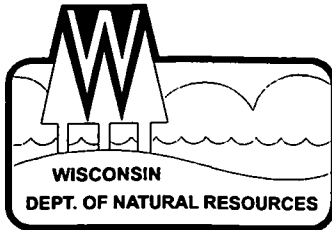
Hank Kuehling, P.G.
Remediation and Redevelopment Hydrogeologist
(608) 275-3286
kuehlh@dnr.state.wi.us

enclosure

cc: Dr. Henry Anderson - DHFS
Frank Perugini - ESC
DG/SCR

*Quality Natural Resources Management
Through Excellent Customer Service*





State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Tommy G. Thompson, Governor
George E. Meyer, Secretary
Ruthe E. Badger, Regional Director

South Central Region Headquarters
3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711-5397
Telephone 608-275-3266
FAX 608-275-3338
TDD 608-275-3231

February 16, 2001

Arvid & Margaret Sather
7911 Deer Run Road
Cross Plains, WI 53528

File Ref: 113112010
Dane County

SUBJECT: Results of Drinking Water Quality Testing, December 2000

Dear Mr. and Ms. Sather:

Drinking water samples were collected from your home in December 2000 by Environmental Sampling Corporation and submitted to the laboratory of Commonwealth Technology, Inc. for analysis. This testing was performed at the request of the Department of Natural Resources (DNR) as part of the long-term groundwater monitoring associated with the Refuse Hideaway Landfill.

Your well water was tested for the presence of volatile organic compounds (VOCs). As you can see from the enclosed laboratory results sheet, no VOCs were detected in your well water. Therefore, it does not appear that the Refuse Hideaway Landfill or any other contaminant source has impacted the water quality of your well with VOC contamination at this time.

If you have any questions about our work at the landfill or the enclosed drinking water quality results, please contact me at the address listed above or you can also contact me as indicated below.

Sincerely,

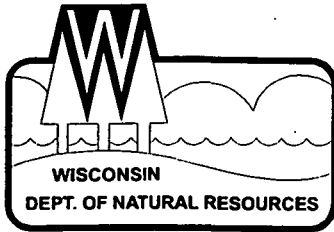
Hank Kuehling, P.G.
Remediation and Redevelopment Hydrogeologist
(608) 275-3286
kueh1h@dnr.state.wi.us

enclosure

cc: Dr. Henry Anderson - DHFS
Frank Perugini - ESC
DG/SCR

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State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Tommy G. Thompson, Governor
George E. Meyer, Secretary
Ruthe E. Badger, Regional Director

South Central Region Headquarters
3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711-5397
Telephone 608-275-3266
FAX 608-275-3338
TDD 608-275-3231

February 16, 2001

Mr. Wayne Rounds
7785 Low Road
Middleton, WI 53562

File Ref: 113112010
Dane County

SUBJECT: Results of Drinking Water Quality Testing, November 2000

Dear Mr. Rounds:

Drinking water samples were collected from your home in November 2000 by Environmental Sampling Corporation and submitted to the laboratory of Commonwealth Technology, Inc. for analysis. This testing was performed at the request of the Department of Natural Resources (DNR) as part of the long-term groundwater monitoring associated with the Refuse Hideaway Landfill.

Your well water was tested for the presence of volatile organic compounds (VOCs). As you can see from the enclosed laboratory results sheet, no VOCs were detected in your well water. Therefore, it does not appear that the Refuse Hideaway Landfill or any other contaminant source has impacted the water quality of your well with VOC contamination at this time.

If you have any questions about our work at the landfill or the enclosed drinking water quality results, please contact me at the address listed above or you can also contact me as indicated below.

Sincerely,

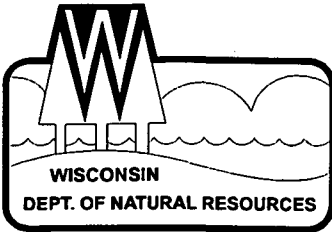
Hank Kuehling, P.G.
Remediation and Redevelopment Hydrogeologist
(608) 275-3286
kuehlih@dnr.state.wi.us

enclosure

cc: Dr. Henry Anderson - DHFS
Frank Perugini - ESC
DG/SCR

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State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Tommy G. Thompson, Governor
George E. Meyer, Secretary
Ruthe E. Badger, Regional Director

South Central Region Headquarters
3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711-5397
Telephone 608-275-3266
FAX 608-275-3338
TDD 608-275-3231

February 16, 2001

Ms. Larae J. Palo
Ms. Virginia C. Bowler
7873 Deer Run Road
Cross Plains, WI 53528

File Ref: 113112010
Dane County

SUBJECT: Results of Drinking Water Quality Testing, November 2000

Dear Ms. Palo and Ms. Bowler:

Drinking water samples were collected from your home in November 2000 by Environmental Sampling Corporation and submitted to the laboratory of Commonwealth Technology, Inc. for analysis. This testing was performed at the request of the Department of Natural Resources (DNR) as part of the long-term groundwater monitoring associated with the Refuse Hideaway Landfill.

Your well water was tested for the presence of volatile organic compounds (VOCs). As you can see from the enclosed laboratory results sheet, no VOCs were detected in your well water. Therefore, it does not appear that the Refuse Hideaway Landfill or any other contaminant source has impacted the water quality of your well with VOC contamination at this time.

If you have any questions about our work at the landfill or the enclosed drinking water quality results, please contact me at the address listed above or you can also contact me as indicated below.

Sincerely,

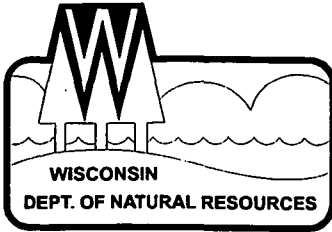
Hank Kuehling, P.G.
Remediation and Redevelopment Hydrogeologist
(608) 275-3286
kuehlnh@dnr.state.wi.us

enclosure

cc: Dr. Henry Anderson - DHFS
Frank Perugini - ESC
DG/SCR

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State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Tommy G. Thompson, Governor
George E. Meyer, Secretary
Ruthe E. Badger, Regional Director

South Central Region Headquarters
3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711-5397
Telephone 608-275-3266
FAX 608-275-3338
TDD 608-275-3231

February 16, 2001

Loyal & Bernice Durand
4314 Fawn Court
Cross Plains, WI 53528

File Ref: 113112010
Dane County

SUBJECT: Results of Drinking Water Quality Testing, November 2000

Dear Mr. and Ms. Durand:

Drinking water samples were collected from your home in November 2000 by Environmental Sampling Corporation and submitted to the laboratory of Commonwealth Technology, Inc. for analysis. This testing was performed at the request of the Department of Natural Resources (DNR) as part of the long-term groundwater monitoring associated with the Refuse Hideaway Landfill.

Your well water was tested for the presence of volatile organic compounds (VOCs). As you can see from the enclosed laboratory results sheet, no VOCs were detected in your well water. Therefore, it does not appear that the Refuse Hideaway Landfill or any other contaminant source has impacted the water quality of your well with VOC contamination at this time.

If you have any questions about our work at the landfill or the enclosed drinking water quality results, please contact me at the address listed above or you can also contact me as indicated below.

Sincerely,

Hank Kuehling, P.G.
Remediation and Redevelopment Hydrogeologist
(608) 275-3286
kueh1h@dnr.state.wi.us

enclosure

cc: Dr. Henry Anderson - DHFS
Frank Perugini - ESC
DG/SCR

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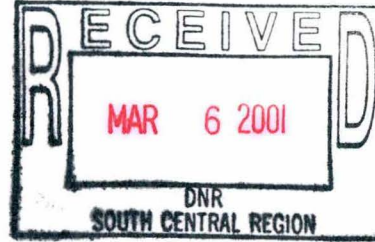
State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Scott McCallum, Governor
Darrell Bazzell, Secretary
Ruthe E. Badger, Regional Director

South Central Region Headquarters
3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711-5397
Telephone 608-275-3266
FAX 608-275-3338
TTY 608-275-3231

February 20, 2001

Steve and Shirley Noles
7734 U.S.H. 14
Middleton, WI 53562



Subject: Compensation of Past Drinking Water Treatment Costs

Dear Mr. and Ms. Noles:

As we have discussed in recent telephone calls, the State of Wisconsin has made a commitment to compensate you for the costs you have incurred in maintaining the point-of-entry drinking water treatment system in your house. This system was installed in late 1989 to remove the contaminants that have been released from the Refuse Hideaway Landfill. You have been responsible for maintaining the system and collecting an annual sample from your treated water supply since 1992.

In our recent conversations, you and I have agreed that you will accept \$12,000 as full compensation for your past water treatment costs. To verify this agreement, I request that you sign the statement included at the bottom of this page, make a copy of this page for your records if desired, and return the original to me. As I have stated in our conversations, compensation of your past costs is contingent on the agreement to a consent decree by the State, EPA, and many entities whose waste was deposited in Refuse Hideaway Landfill. All parties involved are very near agreement on this document. Once it is completed, signed, and lodged in court, the State is committed to your full compensation within 90 days.

If you have any questions, please contact me at the address above or as indicated below.

Sincerely,

Hank Kuehling, P.G.
Remediation & Redevelopment Program Hydrogeologist
(608) 275-3286
kueh1h@dnr.state.wi.us

We, Steve Noles and Shirley Noles, agree that we will accept \$12,000 as full and complete compensation from the State of Wisconsin for past costs that we have incurred in maintaining our drinking water supply treatment system necessitated by contaminants in our house water supply that were released from Refuse Hideaway Landfill.

Steve Noles Shirley Noles
Date 2/28/01 Date 3/4/01



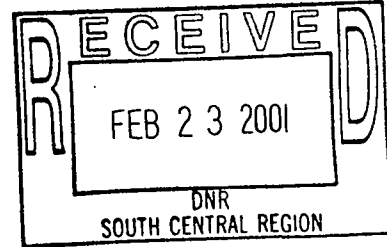
State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Scott McCallum, Governor
Darrell Bazzell, Secretary
Ruthe E. Badger, Regional Director

South Central Region Headquarters
3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711-5397
Telephone 608-275-3266
FAX 608-275-3338
TTY 608-275-3231

February 20, 2001

Al and Jean Stoppeworth
7750 U.S.H. 14
Middleton, WI 53562



Subject: Compensation of Past Drinking Water Treatment Costs

Dear Mr. and Ms. Stoppeworth:

As we have discussed in recent telephone calls, the State of Wisconsin has made a commitment to compensate you for the costs you have incurred in maintaining the point-of-entry drinking water treatment system in your house. This system was installed in late 1989 to remove the contaminants that have been released from the Refuse Hideaway Landfill. You have been responsible for maintaining the system and collecting an annual sample from your treated water supply since 1992.

In our recent conversations, you and I have agreed that you will accept \$12,000 as full compensation for your past water treatment costs. To verify this agreement, I request that you sign the statement included at the bottom of this page, make a copy of this page for your records if desired, and return the original to me. As I have stated in our conversations, compensation of your past costs is contingent on the agreement to a consent decree by the State, EPA, and many entities whose waste was deposited in Refuse Hideaway Landfill. All parties involved are very near agreement on this document. Once it is completed, signed, and lodged in court, the State is committed to your full compensation within 90 days.

If you have any questions, please contact me at the address above or as indicated below.

Sincerely,

Hank Kuehling
Hank Kuehling, P.G.
Remediation & Redevelopment Program Hydrogeologist
(608) 275-3286
kueh1h@dnr.state.wi.us

We, Al Stoppeworth and Jean Stoppeworth, agree that we will accept \$12,000 as full and complete compensation from the State of Wisconsin for past costs that we have incurred in maintaining our drinking water supply treatment system necessitated by contaminants in our house water supply that were released from Refuse Hideaway Landfill.

Al Stoppeworth 2-22-01 *Jean Stoppeworth* 2/23/01
Al Stoppeworth Date Jean Stoppeworth Date



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Scott McCallum, Governor
Darrell Bazzell, Secretary

101 S. Webster St.
Box 7921
Madison, Wisconsin 53707-7921
Telephone 608-266-2621
FAX 608-267-3579
TTY 608-267-6897

March 1, 2001

Governor Scott McCallum
Governor's Office
State Capitol

Subject: Consent Decree and the Filing of a Lawsuit in Federal Court to Settle the Refuse Hideaway Landfill Superfund Site

Dear Governor McCallum:

I am writing to request that you authorize the Wisconsin Department of Justice ("Wisconsin DOJ") on behalf of the State of Wisconsin to participate in a lawsuit brought by the United States in federal court to settle all issues under a Consent Decree concerning the Refuse Hideaway Landfill case. Refuse Hideaway Landfill is located on Highway 14 in Middleton, Wisconsin, and was owned and operated by the late John DeBeck. The site was placed on the National Priorities List ("NPL") after several private wells in the area were contaminated. The landfill is also near Black Earth Creek.

Wisconsin DOJ is currently negotiating the terms of a proposed Consent Decree with U.S. EPA, the U.S. Department of Justice and potentially responsible parties ("PRPs") that brought waste to the landfill. The State of Wisconsin is one of the PRPs for the site along with many local industries and businesses. Wisconsin DOJ will need to represent the State of Wisconsin in federal court in both its regulatory capacity and as a PRP for the site.

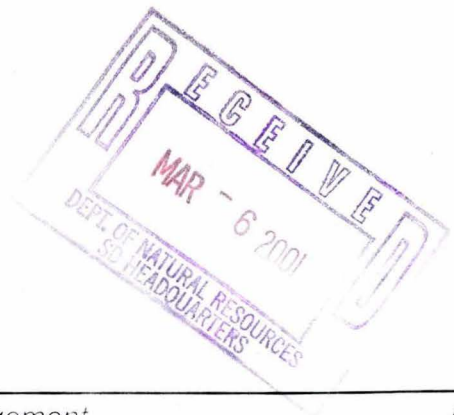
Remedial action at the site has been completed and includes a landfill cap, leachate extraction system and active gas extraction system. The Record of Decision for the site originally required an additional remedial measure, the installation of a groundwater pump and treatment system. Based on additional sampling data, U.S. EPA issued an Explanation of Significant Difference in 1998 stating that installation of the system was no longer needed to control the contaminant plume. U.S. EPA also issued a notice of Construction Completion. Long term operation and maintenance will be necessary at the site.

We have enclosed a draft letter to Attorney General Doyle for your consideration. If you or your staff have any questions about this request, please contact either Division Administrator Jay Hochmuth at 276-9521 or Staff Attorney Deborah Johnson at 267-0846.

Sincerely,

Darrell Bazzell
Darrell Bazzell
Secretary

cc: Joanne Kloppenburg - DOJ Deborah Johnson LS/5
Ruthe Badger - SCR Jay Hochmuth AD/5
Mark Giesfeldt RR 3 Hank Kuehling - SCR



The Honorable James E. Doyle
Attorney General
123 W. Washington Avenue
Madison, WI 53707-7857

Subject: Refuse Hideaway Landfill Superfund Site Consent Decree

Dear Attorney General Doyle;

Secretary Darrell Bazzell of the Department of Natural Resources has requested that I authorize the Department of Justice to participate in a lawsuit brought by the United States in federal court to settle all issues concerning the Refuse Hideaway Landfill case. The settlement terms would be contained in a Consent Decree lodged in federal court.

I understand that agreement has been reached on nearly all terms of the Consent Decree by U.S. DOJ, U.S. EPA, WDNR and the potentially responsible parties ("PRPs") for the site. In this case, the University of Wisconsin and a number of state agencies are PRPs because they sent waste to the landfill. When final agreement is reached, it will be necessary to formalize the agreement in a Consent Decree to be filed in federal district court. It is my understanding that to participate in this lawsuit, I need to authorize the Department of Justice to represent the state..

Accordingly, pursuant to s. 165.25, Stats., I hereby authorize the Department of Justice to participate, on behalf of the State of Wisconsin, in a lawsuit in federal court to settle the Refuse Hideaway Landfill Superfund case.

Sincerely,

SCOTT McCALLUM
Governor

DATE: March 1, 2001

FILE REF: Refuse Hideaway Landfill

TO: Darrell Bazzell, Secretary

FROM: Deborah Johnson LS/5 *Deb Johnson*

SUBJECT: Governor's Request to Attorney General for Representation in Federal Court

The State of Wisconsin is involved in the Refuse Hideaway Landfill Superfund site as both a regulator and as a potentially responsible party ("PRP") that took waste to the landfill. Under s. 165.25, Stats., the Governor needs to authorize Wisconsin DOJ to represent the state in this matter. US DOJ will be filing a lawsuit in federal district court to lodge the Consent Decree that will settle this case.

Background Information on the site:

Refuse Hideaway Landfill is located on Highway 14, in Middleton, WI. The landfill site was approved by the DNR in 1972. It was owned and operated by the late John DeBeck. In 1982 landfill ownership was transferred to Refuse Hideaway, Inc.; this corporation has no assets. In 1987 DNR approved a closure plan for the landfill. Records of waste accepted at the landfill are poor. Along with various local businesses, the University of Wisconsin and state agencies (including DNR) were contributors of waste.

In 1988 several private water supply wells near the landfill became contaminated. Water treatment systems were installed at the residences. Reimbursement to the home owners for past treatment costs is a part of this settlement. Paul Heinen is very familiar with this issue.

In 1992 the site was placed on the federal superfund National Priorities List ("NPL").

When a PRP group could not be formed to do work at the site, DNR took the lead and performed the remedial investigation and feasibility study ("RI/FS") using federal funds and the Environmental Fund. A Record of Decision ("ROD") was issued in June of 1995 specifying the selected remedial action for the site. The Department has been managing the site since then with money from the Environmental Fund.

US EPA took over lead responsibility for the site in 1997. Special notice letters were sent to PRPs and the superfund negotiation process began. It has proceeded, slowly.

Since 1997, the PRP group (without the State participating) conducted site monitoring which lead EPA to issue an Explanation of Significant Difference ("ESD") deleting groundwater pump and treat from the ROD. The PRP group also paid for one year of operation and maintenance at the site, by reimbursing the Environmental Fund.

This case has been difficult because among the PRPs, there is no large waste contributor willing to take responsibility for implementing long term operation and maintenance. This is estimated to be a 20 year commitment. The State has agreed, as part of the Consent Decree, to be the "performing PRP" to continue long term work at the site. The State has received credit for all of the funds it has spent to date addressing the site, and will have funds contributed by the other PRPs to complete the work. Rollie Boeding at DOA will be handling cost allocation among the agencies.

The case is now being handled at DOJ by Frank Remington and Phil Peterson. Mark Giesfeldt and Mark Gordon in RR/3 are very familiar with all of the past history of the site and current negotiations with EPA, US DOJ and the other PRPs. Hank Kuehling is the project manager in SCR. Terry Evanson in RR/3 managed the site before Hank.

If you need any more information, please let any of us know.



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Scott McCallum, Governor
Darrell Bazzell, Secretary
Ruthe E. Badger, Regional Director

South Central Region Headquarters
3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711-5397
Telephone 608-275-3266
FAX 608-275-3338
TTY 608-275-3231

March 7, 2001

FID# 113112010

Al and Jean Stoppeworth
7750 U.S.H. 14
Middleton, WI 53562

Subject: Results of Drinking Water Quality Testing, November 2000

Dear Mr. and Ms. Stoppeworth:

Drinking water samples were collected from your home in November 2000 by Environmental Sampling Corporation and submitted to the laboratory of Commonwealth Technology, Inc. for analysis. This testing was performed at the request of the Department of Natural Resources (DNR) as part of the long-term groundwater monitoring associated with the Refuse Hideaway Landfill. The samples were collected from the part of your water supply system that is not treated by your point-of-entry treatment system.

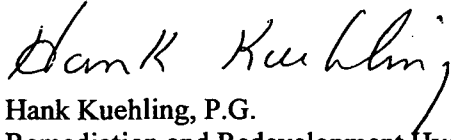
Your well water was tested for the presence of volatile organic compounds (VOCs). As we discussed in December and as you can see from the enclosed laboratory results sheet, VOCs were detected in your untreated well water.

VOC Name	Result (ug/L)	Health Advisory Standard (ug/L)
cis-1,2-Dichloroethene	1.7	70
Tetrachloroethene	3.7	5
Trichloroethene	0.62	5
Trichlorofluoromethane	0.16	None Available

The detected VOCs were all found to be at levels below the associated health advisory standards. Because this sample was taken from the untreated portion of your water supply, these results are not as pertinent to human health concerns as the results from samples that have been collected by Hellenbrand Water Center from the treated portion of your water supply. My records from Hellenbrand indicate that analysis of their treated water sample did not detect tetrachloroethene above the detection limit of 2 micrograms/liter (ug/L) of sample water. I recommend that you continue to treat your water supply for household use as you have in the past. I have arranged for the collection of another sample from the untreated portion of your water supply. The results should be available within four to six weeks. Based on the two samples' results, we can discuss the future of treatment of your water supply.

If you have any questions about our work at the landfill or the enclosed drinking water quality results, please contact me at the address listed above or you can also contact me as indicated below.

Sincerely,



Hank Kuehling, P.G.
Remediation and Redevelopment Hydrogeologist
(608) 275-3286
kuehlh@dnr.state.wi.us

enclosure

cc: Dr. Henry Anderson - DHFS
Frank Perugini - ESC
DG/SCR



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Scott McCallum, Governor
Darrell Bazzell, Secretary
Ruthe E. Badger, Regional Director

South Central Region Headquarters
3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711-5397
Telephone 608-275-3266
FAX 608-275-3338
TTY 608-275-3231

March 7, 2001

FID # 113112010

Steve and Shirley Noles
7734 U.S.H. 14
Middleton, WI 53562

Subject: Results of Drinking Water Quality Testing, November 2000

Dear Mr. and Ms. Noles:

Drinking water samples were collected from your home in November 2000 by Environmental Sampling Corporation and submitted to the laboratory of Commonwealth Technology, Inc. for analysis. This testing was performed at the request of the Department of Natural Resources (DNR) as part of the long-term groundwater monitoring associated with the Refuse Hideaway Landfill. The samples were collected from the part of your water supply system that is not treated by your point-of-entry treatment system.

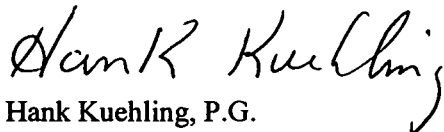
Your well water was tested for the presence of volatile organic compounds (VOCs). As we discussed in December and as you can see from the enclosed laboratory results sheet, VOCs were detected in your untreated well water.

VOC Name	Result (ug/L)	Health Advisory Standard (ug/L)
1,1,1-Trichloroethane	0.13	200 ug/L
1,1-Dichloroethane	0.92	None Available
cis-1,2-Dichloroethene	7.6	70
dichlorodifluoromethane	1.4	None Available
Tetrachloroethene	7.7	5
Trichloroethene	3.0	5
Trichlorofluoromethane	0.46	None Available

Tetrachloroethene is the only contaminant that is above a health advisory standard. Because this sample was taken from the untreated portion of your water supply, these results are not as pertinent to human health concerns as the results from samples that have been collected by Hellenbrand Water Center from the treated portion of your water supply. My records from Hellenbrand indicate that analysis of their treated water sample did not detect tetrachloroethene above the detection limit of 2 micrograms/liter (ug/L) of sample water. I recommend that you continue to treat your water supply for household use as you have in the past. I have arranged for the collection of another sample from the untreated portion of your water supply. The results should be available within four to six weeks. Based on the two samples' results, we can discuss the future of treatment of your water supply.

If you have any questions about our work at the landfill or the enclosed drinking water quality results, please contact me at the address listed above or you can also contact me as indicated below.

Sincerely,



Hank Kuehling, P.G.
Remediation and Redevelopment Hydrogeologist
(608) 275-3286
kuehlh@dnr.state.wi.us

enclosure

cc: Dr. Henry Anderson - DHFS
Frank Perugini - ESC
DG/SCR



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Scott McCallum, Governor
Darrell Bazzell, Secretary
Ruthe E. Badger, Regional Director

South Central Region Headquarters
3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711-5397
Telephone 608-275-3266
FAX 608-275-3338
TTY 608-275-3231

March 13, 2001

FID # 113112010

Steve and Shirley Noles
7734 U.S.H. 14
Middleton, WI 53562

Subject: Results of Drinking Water Quality Testing, February 2001

Dear Mr. and Ms. Noles:

Drinking water samples were collected from your home in February 2001 by Environmental Sampling Corporation and submitted to the laboratory of Commonwealth Technology, Inc. for analysis. This testing was performed at the request of the Department of Natural Resources (DNR) as part of the long-term groundwater monitoring associated with the Refuse Hideaway Landfill. The samples were collected from the part of your water supply system that is not treated by your point-of-entry treatment system.

Your well water was tested for the presence of volatile organic compounds (VOCs). As you can see from the enclosed laboratory results sheet, VOCs were detected in your untreated well water.

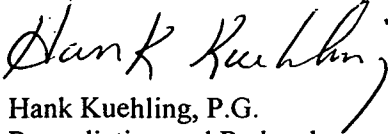
VOC Name	Result (ug/L)	Health Advisory Standard (ug/L)
1,1-Dichloroethane	1.0	None Available
cis-1,2-Dichloroethene	6.7	70
Dichlorodifluoromethane	1.4	None Available
Tetrachloroethene	5.3	5
Trichloroethene	3.4	5
Trichlorofluoromethane	0.38	None Available

Tetrachloroethene is the only contaminant that is above a health advisory standard. Because this sample was taken from the untreated portion of your water supply, these results are not as pertinent to human health concerns as the results from samples that have been collected by Hellenbrand Water Center from the treated portion of your water supply. My records from Hellenbrand indicate that analysis of their treated water sample did not detect tetrachloroethene above the detection limit of 2 micrograms/liter (ug/L) of sample water. I recommend that you continue to treat your water supply for household use as you have in the past.

The concentration of tetrachloroethene in the February sample is lower than that of your November untreated water sample and is not very much above the health advisory standard. My preference is to routinely collect two untreated samples from your water supply in May and November of each year to determine if contaminant concentrations are changing or remaining stable over time. I am arranging for this semi-annual testing that will take place as part of the State of Wisconsin's routine groundwater monitoring program for Refuse Hideaway Landfill, unless you request that it not be done. I have also arranged for the State to assume responsibility for the annual maintenance of your water treatment system.

If you have any questions or comments about the arrangements noted above, the enclosed drinking water quality results, or our work at the landfill, please contact me at the address listed above or you can also contact me as indicated below.

Sincerely,

A handwritten signature in cursive script that reads "Hank Kuehling".

Hank Kuehling, P.G.
Remediation and Redevelopment Hydrogeologist
(608) 275-3286
kuehlh@dnr.state.wi.us

enclosure

cc: Dr. Henry Anderson - DHFS
Frank Perugini - ESC
DG/SCR



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Scott McCallum, Governor
Darrell Bazzell, Secretary
Ruthe E. Badger, Regional Director

South Central Region Headquarters
3911 Fish Hatchery Road
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Telephone 608-275-3266
FAX 608-275-3338
TTY 608-275-3231

March 13, 2001

FID # 113112010

Al and Jean Stoppeworth
7750 U.S.H. 14
Middleton, WI 53562

Subject: Results of Drinking Water Quality Testing, February 2001

Dear Mr. and Ms. Stoppeworth:

Drinking water samples were collected from your home in February 2001 by Environmental Sampling Corporation and submitted to the laboratory of Commonwealth Technology, Inc. for analysis. This testing was performed at the request of the Department of Natural Resources (DNR) as part of the long-term groundwater monitoring associated with the Refuse Hideaway Landfill. The samples were collected from the part of your water supply system that is not treated by your point-of-entry treatment system.

Your well water was tested for the presence of volatile organic compounds (VOCs). As you can see from the enclosed laboratory results sheet, VOCs were detected in your untreated well water.

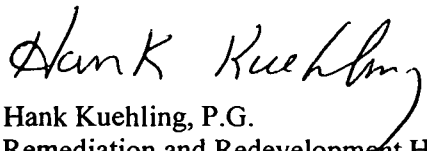
VOC Name	Result (ug/L)	Health Advisory Standard (ug/L)
cis-1,2-Dichloroethene	2.0	70
Tetrachloroethene	3.4	5
Trichloroethene	0.82	5
Trichlorofluoromethane	0.16	None Available
1,1-Dichloroethane	0.32	None Available
Dichlorodifluoromethane	0.74	None Available

The detected VOCs were all found to be at levels below the associated health advisory standards. Because this sample was taken from the untreated portion of your water supply, these results are not as pertinent to human health concerns as the results from samples that have been collected by Hellenbrand Water Center from the treated portion of your water supply. My records from Hellenbrand indicate that analysis of their treated water sample did not detect tetrachloroethene above the detection limit of 2 micrograms/liter (ug/L) of sample water. I recommend that you continue to treat your water supply for household use as you have in the past. My preference is to collect two more untreated samples from your water supply in May and November of this year before considering not treating your well water. We can then be more certain that the concentration of tetrachloroethene in your water supply is either consistently below the health advisory standard or fluctuates above and below the standard on a seasonal basis.

I am arranging for the semi-annual testing of the untreated portion of your water supply that will take place in May and November as part of the State of Wisconsin's routine groundwater monitoring program for Refuse Hideaway Landfill. I have also arranged for the State to assume responsibility for the annual maintenance of your water treatment system.

If you have any questions or comments about the arrangements noted above, the enclosed drinking water quality results, or our work at the landfill, please contact me at the address listed above or you can also contact me as indicated below.

Sincerely,



Hank Kuehling, P.G.
Remediation and Redevelopment Hydrogeologist
(608) 275-3286
kuehlh@dnr.state.wi.us

enclosure

cc: Dr. Henry Anderson - DHFS
Frank Perugini - ESC
DG/SCR



STATE OF WISCONSIN
DEPARTMENT OF JUSTICE

DJ

JAMES E. DOYLE
ATTORNEY GENERAL

Burneatta L. Bridge
Deputy Attorney General

123 West Washington Avenue
P.O. Box 7857
Madison, WI 53707-7857

Philip Peterson
Assistant Attorney General
petersonpp@doj.state.wi.us
608/267-2061
FAX 608/266-2250

March 22, 2001

Charles V. Sweeney
Michael Best & Friedrich
One South Pinckney Street
Post Office Box 1806
Madison, WI 53701-1806

Re: Refuse Hideaway

Dear Buck:

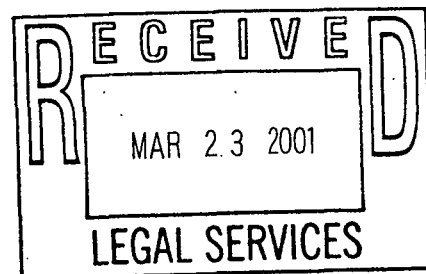
This follows your letter of March 19th to Frank Remington and me. We do not, of course, dispute your claim that you and other counsel have done important work on the Refuse Hideaway case. You ask us to find a way to assist in paying you and the other firms. As you know, however, state funds may not be spent without legislative authorization, and I am unaware of any fund from which we are authorized to pay you.

Sincerely,

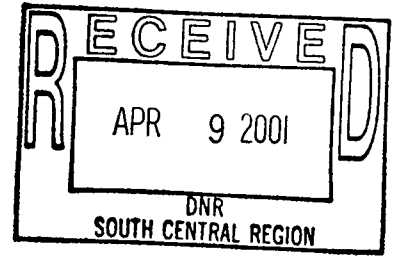
Philip Peterson
Assistant Attorney General

PP:jmr

c: Frank D. Remington
Jane A. Fowler
Douglas Clark
Mark F. Geisfeldt
Deborah Johnson



MEMORANDUM



To: RECIPIENTS OF SPECIAL NOTICE
LETTERS AT REFUSE HIDEAWAY
LANDFILL SUPERFUND SITE

From: Jane A. Fowler
Charles V. Sweeney

Re: Refuse Hideaway Landfill - Outstanding Attorneys Fees

Date: April 6, 2001

As you know, Michael, Best & Friedrich and Quarles & Brady did significant work last summer which was intended to benefit all of the potentially responsible parties at this site in reaching a settlement. The law firms coordinated the transmission of information to, from and among the various companies, the Wisconsin Department of Justice, the Department of Natural Resources of the U.S. EPA. These communications were essential to raising the funds necessary to allow the State to take over the site. Without this work, the group simply would not have achieved the results that we did. In less than four weeks we raised approximately \$1.6 million from a group of parties which previously had no relationship with one another, no common channels of communication, and who had a strong desire not to spend money to address the problem that we all view as being not entirely of our own making.

At the time these activities were being conducted we requested that each of the potentially responsible parties contribute \$500 toward a "kitty" which would cover attorneys' fees. The negotiations proved so successful, however, and moved so quickly, that only a handful of parties actually paid the \$500 amount. In September of last year, the Wisconsin Department of Justice indicated that it would settle only if all funds raised by the group of potentially responsible parties be assigned to the state as part of the settlement. This included the \$500 checks submitted by some of you toward payment of attorneys' fees. Because neither of the law firms wished to interfere with what promised to be a successful resolution of this matter, we did not oppose this request by the state. We did note, however, that we had a claim to those funds. During the intervening months, we have repeatedly discussed the issue with the Wisconsin Department of Justice attorneys, who have consistently taken the position that they do not have the ability to pay private attorneys for time expended on the group's behalf. The state intends to use the funds that were to be devoted toward attorney's fees to defray site costs.

While we have no objection to this approach, we believe that in fairness to our respective law firms, a mechanism should be considered which would defray some of the outstanding bills. The amount for common counsel fees due and owing Michael, Best & Friedrich is \$35,162.58. The fees charged by Quarles & Brady amount to \$4,684.10, resulting in a total of \$39,846.68. This notice is going to approximately 100 parties. If each party which previously did not contribute

toward attorneys' fees were to contribute 1% of the outstanding amount (\$398.46), our fees would be largely covered.

We recognize that we do not have a contractual relationship with many of you, and emphasize that our request that you help us defray these costs is entirely that: a request. If you believe that the time expended benefitted your organization in finally getting the refuse hideaway landfill matter behind us, we would greatly appreciate receiving a return on the investment which we have made.

Please send your checks payable to:

Michael, Best & Friedrich, LLP
Attention: Buck Sweeney
P.O. Box 1806
Madison, WI 53701

The check will be distributed to both Quarles & Brady for \$46.84 and Michael, Best & Friedrich for \$398.47.



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Scott McCallum, Governor
Darrell Bazzell, Secretary
Ruthe E. Badger, Regional Director

South Central Region Headquarters
3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711-5397
Telephone 608-275-3266
FAX 608-275-3338
TTY 608-275-3231

July 9, 2001

Steve and Shirley Noles
7734 U.S.H. 14
Middleton, WI 53562

Subject: Compensation of Past Drinking Water Treatment Costs

Dear Mr. and Ms. Noles:

This letter is a brief update on the status of your compensation from the State of Wisconsin for past costs incurred in maintaining the point-of-entry drinking water treatment system in your house. This update is prompted by a phone call from Al Stoppeworth several weeks ago, a phone call to me from Carrie Templeton of Senator Erpenbach's office, and the fact that over four months have passed since our commitment to your compensation.

As I stated in my February 20, 2001 letter, your compensation is contingent on the lodging (filing) of the consent decree to which EPA, the State of Wisconsin, and numerous waste generators have agreed. The "lodging" step is an assurance that the waste generators will be paying to the State their pledged amount in compensation for the State becoming the sole party responsible for Refuse Hideaway Landfill. After this step in the process, you will receive a check from the State within 90 days.

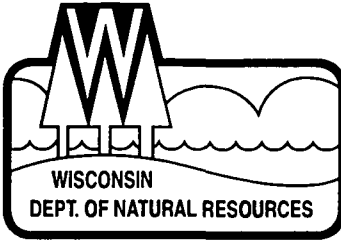
This consent decree process is the responsibility of EPA as part of their Superfund program. My contact at EPA recently informed me that regional administrative approval has been given for the decree and that their national office is currently processing it. When this is complete, a date will be set for lodging. I do not know when this will occur since the process is not within State control, but can only hope, as you do, that it will be soon.

If you have any questions, please contact me at the address above or as indicated below.

Sincerely,

Hank Kuehling, P.G.
Remediation & Redevelopment Program Hydrogeologist
(608) 275-3286
kueh1h@dnr.state.wi.us

cc: Carrie Templeton
Pat McCutcheon - SCR



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Scott McCallum, Governor
Darrell Bazzell, Secretary
Ruthe E. Badger, Regional Director

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July 9, 2001

Al and Jean Stoppeworth
7750 U.S.H. 14
Middleton, WI 53562

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Sincerely,

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Remediation & Redevelopment Program Hydrogeologist
(608) 275-3286
kuehlh@dnr.state.wi.us

cc: Carrie Templeton
Pat McCutcheon - SCR



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3911 Fish Hatchery Road
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FAX 608-275-3338
TTY 608-275-3231

July 11, 2001

Mr. John Fagiolo
U.S. EPA, Region V
77 West Jackson Boulevard
Chicago, IL 60604

Subject: Identification of Contractors, As Required by Consent Decree

Dear Mr. Fagiolo:

The pending consent decree for Refuse Hideaway Landfill contains a requirement for the notification of the Environmental Protection Agency in writing within 15 days of the lodging of the consent decree of the name, title, and qualifications of the supervising contractor performing the operation and maintenance (O&M) of the landfill. Although the consent decree has not been lodged yet, this letter is intended to provide this notification.

The current O&M contractor is SCS Field Services, Inc. (SCS FS) and their representative is Bill Reed. Mr. Reed performs O&M tasks himself and supervises the performance of other tasks by his company's subcontractor, Environmental Sampling Corporation (ESC). Mr. Reed is a regional manager based in Austin, Texas, and ESC is located in Muskego, Wisconsin.

SCS FS won the O&M contract when the State of Wisconsin opened the contract for bid in 1997. The awarded contract can be renewed for two additional years, if both the State and the contractor agree, which they did, and the contract was opened for bid again in 2000. In both bidding processes, SCS FS submitted the lowest qualifying bid and was awarded the contract. Attached is a copy of the State request for bid, used in 2000, to give you an idea of the minimum qualifications required of the successful bidder.

The routine weekly, monthly, quarterly, and annual operation and maintenance items are conducted by ESC staff and by the company president, Frank Perugini. Non-routine repairs, equipment adjustments, and equipment malfunctions are either addressed by ESC or by Bill Reed. Information sharing, decision-making, and problem solving are a collaboration of both Mr. Reed and Mr. Perugini, although final responsibility rests with Mr. Reed.

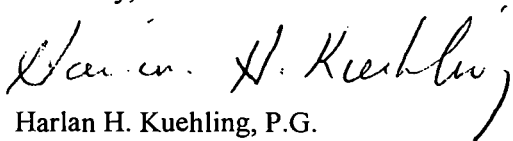
This arrangement has worked well for the past four years since SCE Field Services assumed the O&M responsibilities. All routine tasks are consistently done on time, alarms warning that a system such as the leachate collection system or landfill gas collection system has stopped operating are addressed in a timely fashion, and longer-term problems are investigated until a solution has been found. For example, in 2000 and early 2001, the operating time of the gas collection system was significantly lower compared to what it had been prior to this time. Bill Reed and Frank Perugini persistently looked for a cause of the reduced operating time. They were ultimately successful in identifying the problem and a solution. Without the years of experience they both have in operating landfill systems, they could not have solved

this complicated problem. Attached you will find a copy of the bid documents submitted by SCE FS in 2000 that summarize the qualifications of SCS FS.

I assume that the consent decree's notification requirement also pertains to the groundwater-monitoring contract. The current contractor is Environmental Sampling Corporation, the same company serving as the O&M subcontractor noted above. ESC has been conducting this monitoring work for at least the past six years. ESC has been very reliable in conducting the required monitoring on schedule and in submitting the results to the Department when they become available. ESC uses a reputable laboratory, certified by the Department, for sample analysis. ESC adheres to standard and accepted sample collection and other field practices, which I have verified by observation. Attached is a summary of ESC's qualifications as submitted in 2001.

Please contact me if you need additional information to fulfill the requirements of the consent decree for notification of EPA of the State of Wisconsin's O&M supervising contractor.

Sincerely,



Harlan H. Kuehling, P.G.
Remediation and Redevelopment Program Hydrogeologist
(608) 275-3286
kuehlh@dnr.state.wi.us

attachments

cc: Bill Reed – SCS Field Services, Inc. (w/o attachments)
Frank Perugini – Environmental Sampling Corporation (w/o attachments)
Pat McCutcheon – Team Supervisor, SCR R&R Program (w/o attachments)

Environmental Contractors

3809 South Second Street
Suite C-400
Austin, TX 78704

512 440-1888
FAX 512 440-8393

SCS FIELD SERVICES

August 13, 2001
File No. 07197026.00

Mr. Harlan Kuehling, P.G.
Wisconsin Department of Natural Resources
3911 Fish Hatchery Road
Fitchburg, WI 53711-5397

Subject: Increased Short-Term Propane Usage at the Refuse Hideaway Landfill Gas Collection System – Middleton, Wisconsin

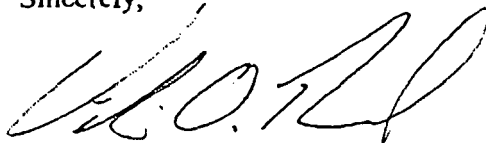
Dear Mr. Kuehling:

As requested, SCS Field Services (SCS-FS) has prepared this letter indicating the estimated increase in propane used by the landfill gas (LFG) flare at the subject site. As the Wisconsin Department of Natural Resources (Department) is aware, SCS-FS has been working to increase the reliability of the LFG flare. In January 2001, we determined that using a continuous pilot flame substantially increased the system reliability. Subsequently the Department determined to continue using the pilot gas until a permanent solution could be made.

The use of a continuous pilot (propane) has likewise increased our use of propane at the site. Currently our propane usage is averaging approximately \$500 per month. Given that we are planning on making permanent modifications to the flare in 2001, SCS-FS respectfully requests that the Department increase our operating budget by \$2,500 (\$500 per month x 5 months) for this temporary increase in operating costs.

As always, I am available to discuss this in more detail, if desired. If you have any questions, please contact me at (800) 339-3034.

Sincerely,



William O. Reed
Regional Manager
SCS FIELD SERVICES



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Scott McCallum, Governor
Darrell Bazzell, Secretary
Ruthe E. Badger, Regional Director

South Central Region Headquarters
3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711-5397
Telephone 608-275-3266
FAX 608-275-3338
TTY 608-275-3231

August 23, 2001

FID # 113112010

Al and Jean Stoppeworth
7750 U.S.H. 14
Middleton, WI 53562

Subject: Results of Drinking Water Quality Testing, May 2001

Dear Mr. and Ms. Stoppeworth:

Drinking water samples were collected from your home in May 2001 by Environmental Sampling Corporation and submitted to the laboratory of Commonwealth Technology, Inc. for analysis. This testing was performed at the request of the Department of Natural Resources (DNR) as part of the long-term groundwater monitoring associated with the Refuse Hideaway Landfill. The samples were collected from the part of your water supply system that is not treated by your point-of-entry treatment system.

Your well water was tested for the presence of volatile organic compounds (VOCs). As you can see from the enclosed laboratory results sheet, VOCs were detected in your untreated well water.

VOC Name	Result (ug/L)	Health Advisory Standard (ug/L)
cis-1,2-Dichloroethene	2.5	70
Tetrachloroethene	2.3	5
Trichloroethene	0.65	5
Trichlorofluoromethane	0.14	None Available
1,1-Dichloroethane	0.34	None Available
Dichlorodifluoromethane	0.54	None Available

The detected VOCs were all found to be at levels below the associated health advisory standards. Because this sample was taken from the untreated portion of your water supply, these results are not as pertinent to human health concerns as the results from samples that have been collected by Hellenbrand Water Center from the treated portion of your water supply. My records from Hellenbrand indicate that analysis of their treated water sample did not detect tetrachloroethene above the detection limit of 2 micrograms/liter (ug/L) of sample water.

I recommend that you continue to treat your water supply for household use as you have in the past. My preference is to collect one more untreated sample from your water supply in November of this year before considering not treating your well water. We can then be more certain that the concentration of tetrachloroethene in your water supply is either consistently below the health advisory standard or fluctuates above and below the standard on a seasonal basis. I have arranged for the semi-annual testing of the untreated portion of your water supply that will take place in May and November as part of the State of Wisconsin's routine groundwater monitoring program for Refuse Hideaway Landfill.

If you have any questions or comments about the arrangements noted above, the enclosed drinking water quality results, or our work at the landfill, please contact me at the address listed above or you can also contact me as indicated below.

Sincerely,

Hank Kuehling, P.G.
Remediation and Redevelopment Hydrogeologist
(608) 275-3286
kuehlh@dnr.state.wi.us

enclosure

cc: Dr. Henry Anderson - DHFS
Frank Perugini - ESC
DG/SCR



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Scott McCallum, Governor
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August 23, 2001

FID # 113112010

Steve and Shirley Noles
7734 U.S.H. 14
Middleton, WI 53562

Subject: Results of Drinking Water Quality Testing, May, 2001

Dear Mr. and Ms. Noles:

Drinking water samples were collected from your home in May 2001 by Environmental Sampling Corporation and submitted to the laboratory of Commonwealth Technology, Inc. for analysis. This testing was performed at the request of the Department of Natural Resources (DNR) as part of the long-term groundwater monitoring associated with the Refuse Hideaway Landfill. The samples were collected from the part of your water supply system that is not treated by your point-of-entry treatment system.

Your well water was tested for the presence of volatile organic compounds (VOCs). As you can see from the enclosed laboratory results sheet, VOCs were detected in your untreated well water.

VOC Name	Result (ug/L)	Health Advisory Standard (ug/L)
1,1-Dichloroethane	1.1	None Available
cis-1,2-Dichloroethene	8.7	70
Dichlorodifluoromethane	1.2	None Available
Tetrachloroethene	5.3	5
Trichloroethene	2.2	5
Trichlorofluoromethane	0.38	None Available

Tetrachloroethene is the only contaminant that is above a health advisory standard. Because this sample was taken from the untreated portion of your water supply, these results are not as pertinent to human health concerns as the results from samples that have been collected by Hellenbrand Water Center from the treated portion of your water supply. My records from Hellenbrand indicate that analysis of their treated water sample did not detect tetrachloroethene above the detection limit of 2 micrograms/liter (ug/L) of sample water. I recommend that you continue to treat your water supply for household use as you have in the past.

The concentration of tetrachloroethene in the February sample is the same as that of your November untreated water sample and is not very much above the health advisory standard. My preference is to routinely collect two untreated samples from your water supply in May and November of each year to determine if contaminant concentrations are changing or remaining stable over time. I have arranged for this semi-annual testing to take place as part of the State of Wisconsin's routine groundwater monitoring program for Refuse Hideaway Landfill, unless you request that it not be done.

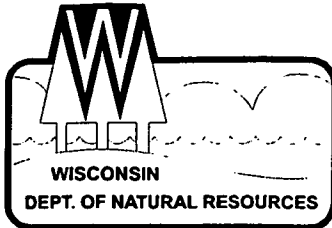
If you have any questions or comments about the arrangements noted above, the enclosed drinking water quality results, or our work at the landfill, please contact me at the address listed above or you can also contact me as indicated below.

Sincerely,

Hank Kuehling, P.G.
Remediation and Redevelopment Hydrogeologist
(608) 275-3286
kuehlh@dnr.state.wi.us

enclosure

cc: Dr. Henry Anderson - DHFS
Frank Perugini - ESC
DG/SCR



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Tommy G. Thompson, Governor
George E. Meyer, Secretary
Ruthe E. Badger, Regional Director

South Central Region Headquarters
3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711-5397
Telephone 608-275-3266
FAX 608-275-3338
TDD 608-275-3231

August 23, 2001

File Ref: 113112010
Dane County

Richard Summers
4610 Rocky Dell Road, Route 1
Middleton, WI 53562

SUBJECT: Results of Drinking Water Quality Testing, May 2001

Dear Mr. Summers:

Drinking water samples were collected from your home in May 2001 by Environmental Sampling Corporation and submitted to the laboratory of Commonwealth Technology, Inc. for analysis. This testing was performed at the request of the Department of Natural Resources (DNR) as part of the groundwater monitoring associated with the Refuse Hideaway Landfill.

Your well water was tested for the presence of volatile organic compounds (VOCs). As you can see from the enclosed laboratory results sheet, no VOCs were detected in your well water. Therefore, it does not appear that the Refuse Hideaway Landfill or any other contaminant source has impacted the water quality of your well with VOC contamination at this time.

If you have any questions about our work at the landfill or the enclosed drinking water quality results, please contact me as indicated below.

Sincerely,

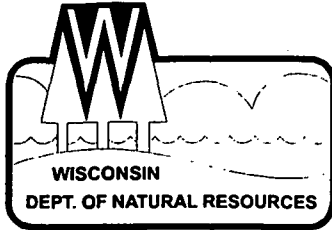
Hank Kuehling, P.G.
Remediation and Redevelopment Hydrogeologist
(608) 275-3286
kuehln@dnr.state.wi.us

enclosure

cc: Dr. Henry Anderson - DHFS
Frank Perugini - ESC
DG/SCR

*Quality Natural Resources Management
Through Excellent Customer Service*





State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Tommy G. Thompson, Governor
George E. Meyer, Secretary
Ruthe E. Badger, Regional Director

South Central Region Headquarters
3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711-5397
Telephone 608-275-3266
FAX 608-275-3338
TDD 608-275-3231

August 23, 2001

File Ref: 113112010
Dane County

Mr. Jerry Trantow & Ms. Grace Thompson
4318 Fawn Court
Cross Plains, WI 53528

SUBJECT: Results of Drinking Water Quality Testing, May 2001

Dear Mr. Trantow and Ms. Thompson:

Drinking water samples were collected from your home in May 2001 by Environmental Sampling Corporation and submitted to the laboratory of Commonwealth Technology, Inc. for analysis. This testing was performed at the request of the Department of Natural Resources (DNR) as part of the groundwater monitoring associated with the Refuse Hideaway Landfill.

Your well water was tested for the presence of volatile organic compounds (VOCs). As you can see from the enclosed laboratory results sheet, no VOCs were detected in your well water. Therefore, it does not appear that the Refuse Hideaway Landfill or any other contaminant source has impacted the water quality of your well with VOC contamination at this time.

If you have any questions about our work at the landfill or the enclosed drinking water quality results, please contact me as indicated below.

Sincerely,

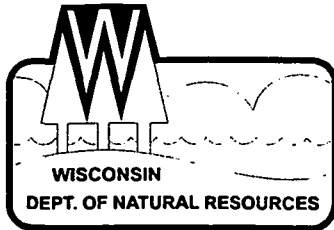
Hank Kuehling, P.G.
Remediation and Redevelopment Hydrogeologist
(608) 275-3286
kuehln@dnr.state.wi.us

enclosure

cc: Dr. Henry Anderson - DHFS
Frank Perugini - ESC
DG/SCR

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Through Excellent Customer Service*





State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Tommy G. Thompson, Governor
George E. Meyer, Secretary
Ruthe E. Badger, Regional Director

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3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711-5397
Telephone 608-275-3266
FAX 608-275-3338
TDD 608-275-3231

August 23, 2001

Raymond & Mary Bula
RFD 1, 7872 Deer Run East
Cross Plains, WI 53528

File Ref: 113112010
Dane County

SUBJECT: Results of Drinking Water Quality Testing, May 2001

Dear Mr. and Ms. Bula:

Drinking water samples were collected from your home in May 2001 by Environmental Sampling Corporation and submitted to the laboratory of Commonwealth Technology, Inc. for analysis. This testing was performed at the request of the Department of Natural Resources (DNR) as part of the groundwater monitoring associated with the Refuse Hideaway Landfill.

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If you have any questions about our work at the landfill or the enclosed drinking water quality results, please contact me at the address listed above or you can also contact me as indicated below.

Sincerely,

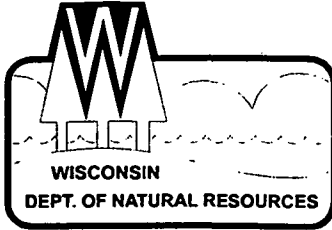
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TDD 608-275-3231

August 23, 2001

File Ref: 113112010
Dane County

William & Evelyn Plummer
7877 Deer Run Road
Cross Plains, WI 53528

SUBJECT: Results of Drinking Water Quality Testing, May 2001

Dear Mr. and Ms. Plummer:

Drinking water samples were collected from your home in May 2001 by Environmental Sampling Corporation and submitted to the laboratory of Commonwealth Technology, Inc. for analysis. This testing was performed at the request of the Department of Natural Resources (DNR) as part of the groundwater monitoring associated with the Refuse Hideaway Landfill.

Your well water was tested for the presence of volatile organic compounds (VOCs). As you can see from the enclosed laboratory results sheets, no VOCs were detected in your well water. Therefore, it does not appear that the Refuse Hideaway Landfill or any other contaminant source has impacted the water quality of your well with VOC contamination at this time.

If you have any questions about our work at the landfill or the enclosed drinking water quality results, please contact me as indicated below.

Sincerely,

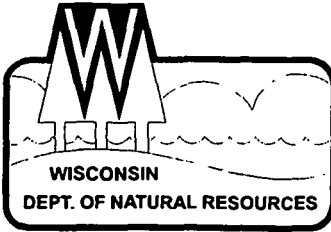
Hank Kuehling, P.G.
Remediation and Redevelopment Hydrogeologist
(608) 275-3286
kuehlh@dnr.state.wi.us

enclosure

cc: Dr. Henry Anderson - DHFS
Frank Perugini - ESC
DG/SCR

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State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Tommy G. Thompson, Governor
George E. Meyer, Secretary
Ruthe E. Badger, Regional Director

South Central Region Headquarters
3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711-5397
Telephone 608-275-3266
FAX 608-275-3338
TDD 608-275-3231

August 23, 2001

File Ref: 113112010
Dane County

Jeanette Wheat & Daryl Krueger
4306 Fawn Court
Cross Plains, WI 53528

SUBJECT: Results of Drinking Water Quality Testing, May 2001

Dear Ms Wheat. and Mr. Krueger:

Drinking water samples were collected from your home in May 2001 by Environmental Sampling Corporation and submitted to the laboratory of Commonwealth Technology, Inc. for analysis. This testing was performed at the request of the Department of Natural Resources (DNR) as part of the groundwater monitoring associated with the Refuse Hideaway Landfill.

Your well water was tested for the presence of volatile organic compounds (VOCs). As you can see from the enclosed laboratory results sheet, no VOCs were detected in your well water. Therefore, it does not appear that the Refuse Hideaway Landfill or any other contaminant source has impacted the water quality of your well with VOC contamination at this time.

If you have any questions about our work at the landfill or the enclosed drinking water quality results, please contact me as indicated below.

Sincerely,

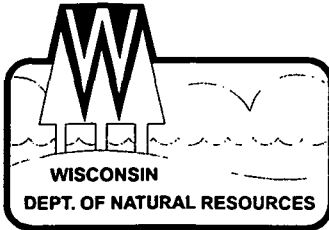
Hank Kuehling, P.G.
Remediation and Redevelopment Hydrogeologist
(608) 275-3286
kuehlh@dnr.state.wi.us

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Telephone 608-275-3266
FAX 608-275-3338
TDD 608-275-3231

August 23, 2001

File Ref: 113112010
Dane County

Arvid & Margaret Sather
7911 Deer Run Road
Cross Plains, WI 53528

SUBJECT: Results of Drinking Water Quality Testing, May 2001

Dear Mr. and Ms. Sather:

Drinking water samples were collected from your home in May 2001 by Environmental Sampling Corporation and submitted to the laboratory of Commonwealth Technology, Inc. for analysis. This testing was performed at the request of the Department of Natural Resources (DNR) as part of the groundwater monitoring associated with the Refuse Hideaway Landfill.

Your well water was tested for the presence of volatile organic compounds (VOCs). As you can see from the enclosed laboratory results sheet, no VOCs were detected in your well water. Therefore, it does not appear that the Refuse Hideaway Landfill or any other contaminant source has impacted the water quality of your well with VOC contamination at this time.

If you have any questions about our work at the landfill or the enclosed drinking water quality results, please contact me as indicated below.

Sincerely,

Hank Kuehling, P.G.
Remediation and Redevelopment Hydrogeologist
(608) 275-3286
kueh1h@dnr.state.wi.us

enclosure

cc: Dr. Henry Anderson - DHFS
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Darrell Bazzell, Secretary
Ruthe E. Badger, Regional Director

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Fitchburg, Wisconsin 53711-5397
Telephone 608-275-3266
FAX 608-275-3338
TTY 608-275-3231

January 29, 2002

FID # 113112010

Al and Jean Stoppleworth
7750 U.S.H. 14
Middleton, WI 53562

Subject: Results of Drinking Water Quality Testing, November 2001

Dear Mr. and Ms. Stoppleworth:

Drinking water samples were collected from your home in November 2001 by Environmental Sampling Corporation and submitted to the laboratory of Commonwealth Technology, Inc. for analysis. This testing was performed at the request of the Department of Natural Resources (DNR) as part of the long-term groundwater monitoring associated with the Refuse Hideaway Landfill. The samples were collected from the part of your water supply system that is not treated by your point-of-entry treatment system.

Your well water was tested for the presence of volatile organic compounds (VOCs). As you can see from the enclosed laboratory results sheet, VOCs were detected in your untreated well water.

VOC Name	Result (ug/L)	Health Advisory Standard (ug/L)
cis-1,2-Dichloroethene	1.7	70
Tetrachloroethene	3.5	5
1,1-Dichloroethane	0.26	None Available
Dichlorodifluoromethane	0.74	None Available

The detected VOCs were all found to be at levels below the associated health advisory standards. Because this sample was taken from the untreated portion of your water supply, these results are not as pertinent to human health concerns as the results from samples that have been collected by Hellenbrand Water Center from the treated portion of your water supply. My records from Hellenbrand indicate that analysis of their treated water sample did not detect tetrachloroethene above the detection limit of 2 micrograms/liter (ug/L) of sample water.

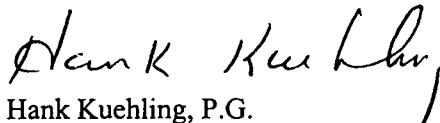
I recommend that you continue to treat your water supply for household use as you have in the past. As a result of the four rounds of water quality data from the past year from your well that have been below health advisory standards, I am currently reviewing Department policy on the criteria and process for removing a health advisory from a private water supply well. Regardless of that determination, the semi-annual testing of the untreated portion of your water supply will continue to take place in May and November as part of the State of Wisconsin's routine groundwater monitoring program for Refuse Hideaway Landfill.

Also included here are the results of the analysis of the groundwater sample that was collected in November 2001 from the DNR-installed deep well located near the Noles' driveway. Three VOCs were

detected and all were below their respective health advisory standards. The DNR will monitor the water quality of this well again in the future.

If you have any questions or comments about the arrangements noted above, the enclosed drinking water quality results, or our work at the landfill, please contact me at the address listed above or you can also contact me as indicated below.

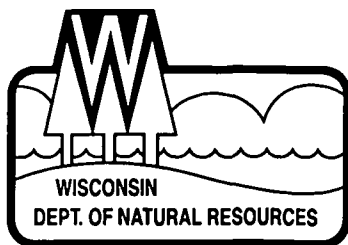
Sincerely,



Hank Kuehling, P.G.
Remediation and Redevelopment Hydrogeologist
(608) 275-3286
kuehlh@dnr.state.wi.us

enclosure

cc: Dr. Henry Anderson - DHFS
Frank Perugini - ESC
DG/SCR



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Scott McCallum, Governor
Darrell Bazzell, Secretary
Ruthe E. Badger, Regional Director

South Central Region Headquarters
3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711-5397
Telephone 608-275-3266
FAX 608-275-3338
TTY 608-275-3231

January 29, 2002

FID # 113112010

Steve and Shirley Noles
7734 U.S.H. 14
Middleton, WI 53562

Subject: Results of Drinking Water Quality Testing, November, 2001

Dear Mr. and Ms. Noles:

Drinking water samples were collected from your home in November 2001 by Environmental Sampling Corporation and submitted to the laboratory of Commonwealth Technology, Inc. for analysis. This testing was performed at the request of the Department of Natural Resources (DNR) as part of the long-term groundwater monitoring associated with the Refuse Hideaway Landfill. The samples were collected from the part of your water supply system that is not treated by your point-of-entry treatment system.

Your well water was tested for the presence of volatile organic compounds (VOCs). As you can see from the enclosed laboratory results sheet, VOCs were detected in your untreated well water.

VOC Name	Result (ug/L)	Health Advisory Standard (ug/L)
1,1-Dichloroethane	0.87	None Available
cis-1,2-Dichloroethene	5.4	70
Dichlorodifluoromethane	1.4	None Available
Tetrachloroethene	6.7	5
Trichloroethene	2.4	5
Trichlorofluoromethane	0.35	None Available

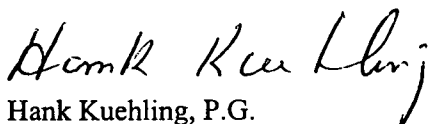
Tetrachloroethene is the only contaminant that is above a health advisory standard. Because this sample was taken from the untreated portion of your water supply, these results are not as pertinent to human health concerns as the results from samples that have been collected by Hellenbrand Water Center from the treated portion of your water supply. My records from Hellenbrand indicate that analysis of their treated water sample did not detect tetrachloroethene above the detection limit of 2 micrograms/liter (ug/L) of sample water. I recommend that you continue to treat your water supply for household use as you have in the past.

The concentration of tetrachloroethene in the November sample is only slightly above that of your May untreated water sample and is not very much above the health advisory standard. My preference is to continue to routinely collect two untreated samples from your water supply in May and November of each year to determine if contaminant concentrations are changing or remaining stable over time. This semi-annual testing will continue to take place as part of the State of Wisconsin's routine groundwater monitoring program for Refuse Hideaway Landfill.

Also included here are the results of the analysis of the groundwater sample that was collected in November 2001 from the DNR-installed deep well located near your driveway. Three VOCs were detected and all were below their respective health advisory standards. The DNR will monitor the water quality of this well again in the future.

If you have any questions or comments about the arrangements noted above, the enclosed drinking water quality results, or our work at the landfill, please contact me at the address listed above or you can also contact me as indicated below.

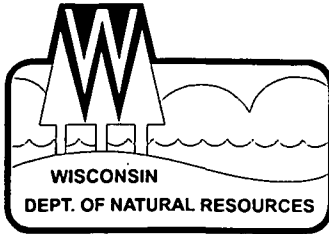
Sincerely,



Hank Kuehling, P.G.
Remediation and Redevelopment Hydrogeologist
(608) 275-3286
kuehlh@dnr.state.wi.us

enclosure

cc: Dr. Henry Anderson - DHFS
Frank Perugini - ESC
DG/SCR



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Tommy G. Thompson, Governor
George E. Meyer, Secretary
Ruthe E. Badger, Regional Director

South Central Region Headquarters
3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711-5397
Telephone 608-275-3266
FAX 608-275-3338
TDD 608-275-3231

January 29, 2002

Daniel & Patricia Sommers
7892 Deer Run Road
Cross Plains, WI 53528

File Ref: 113112010
Dane County

SUBJECT: Results of Drinking Water Quality Testing, November 2001

Dear Mr. and Ms. Sommers:

Drinking water samples were collected from your home in November 2001 by Environmental Sampling Corporation and submitted to the laboratory of Commonwealth Technology, Inc. for analysis. This testing was performed at the request of the Department of Natural Resources (DNR) as part of the long-term groundwater monitoring associated with the Refuse Hideaway Landfill.

Your well water was tested for the presence of volatile organic compounds (VOCs). As you can see from the enclosed laboratory results sheet, no VOCs were detected in your well water. Therefore, it does not appear that the Refuse Hideaway Landfill or any other contaminant source has impacted the water quality of your well with VOC contamination at this time.

If you have any questions about our work at the landfill or the enclosed drinking water quality results, please contact me at the address listed above or you can also contact me as indicated below.

Sincerely,

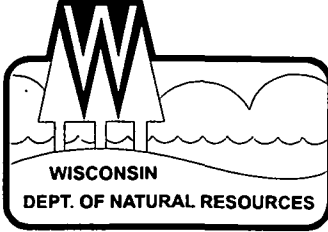
Hank Kuehling, P.G.
Remediation and Redevelopment Hydrogeologist
(608) 275-3286
kuehlh@dnr.state.wi.us

enclosure

cc: Dr. Henry Anderson - DHFS
Frank Perugini - ESC
DG/SCR

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3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711-5397
Telephone 608-275-3266
FAX 608-275-3338
TDD 608-275-3231

January 29, 2002

Sharon Foster & Arne Thesen
4310 Fawn Court
Cross Plains, WI 53528

File Ref: 113112010
Dane County

SUBJECT: Results of Drinking Water Quality Testing, November 2001

Dear Mr. Theseau and Ms. Foster:

Drinking water samples were collected from your home in November 2001 by Environmental Sampling Corporation and submitted to the laboratory of Commonwealth Technology, Inc. for analysis. This testing was performed at the request of the Department of Natural Resources (DNR) as part of the long-term groundwater monitoring associated with the Refuse Hideaway Landfill.

Your well water was tested for the presence of volatile organic compounds (VOCs). As you can see from the enclosed laboratory results sheet, no VOCs were detected in your well water. Therefore, it does not appear that the Refuse Hideaway Landfill or any other contaminant source has impacted the water quality of your well with VOC contamination at this time.

If you have any questions about our work at the landfill or the enclosed drinking water quality results, please contact me at the address listed above or you can also contact me as indicated below.

Sincerely,

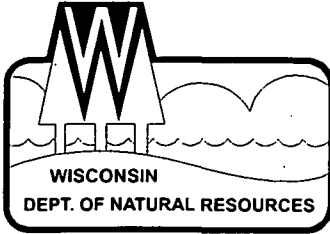
Hank Kuehling, P.G.
Remediation and Redevelopment Hydrogeologist
(608) 275-3286
kuehlh@dnr.state.wi.us

enclosure

cc: Dr. Henry Anderson - DHFS
Frank Perugini - ESC
DG/SCR

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South Central Region Headquarters
3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711-5397
Telephone 608-275-3266
FAX 608-275-3338
TDD 608-275-3231

January 29, 2002

Loyal & Bernice Durand
4314 Fawn Court
Cross Plains, WI 53528

File Ref: 113112010
Dane County

SUBJECT: Results of Drinking Water Quality Testing, November 2001

Dear Mr. and Ms. Durand:

Drinking water samples were collected from your home in November 2001 by Environmental Sampling Corporation and submitted to the laboratory of Commonwealth Technology, Inc. for analysis. This testing was performed at the request of the Department of Natural Resources (DNR) as part of the long-term groundwater monitoring associated with the Refuse Hideaway Landfill.

Your well water was tested for the presence of volatile organic compounds (VOCs). As you can see from the enclosed laboratory results sheet, no VOCs were detected in your well water. Therefore, it does not appear that the Refuse Hideaway Landfill or any other contaminant source has impacted the water quality of your well with VOC contamination at this time.

If you have any questions about our work at the landfill or the enclosed drinking water quality results, please contact me at the address listed above or you can also contact me as indicated below.

Sincerely,

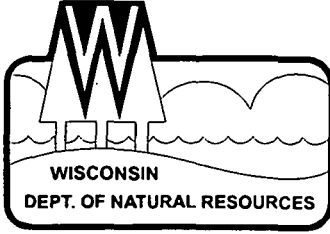
Hank Kuehling, P.G.
Remediation and Redevelopment Hydrogeologist
(608) 275-3286
kuehlh@dnr.state.wi.us

enclosure

cc: Dr. Henry Anderson - DHFS
Frank Perugini - ESC
DG/SCR

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State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Tommy G. Thompson, Governor
George E. Meyer, Secretary
Ruthe E. Badger, Regional Director

South Central Region Headquarters
3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711-5397
Telephone 608-275-3266
FAX 608-275-3338
TDD 608-275-3231

January 29, 2002

Arvid & Margaret Sather
7911 Deer Run Road
Cross Plains, WI 53528

File Ref: 113112010
Dane County

SUBJECT: Results of Drinking Water Quality Testing, November 2001

Dear Mr. and Ms. Sather:

Drinking water samples were collected from your home in November 2001 by Environmental Sampling Corporation and submitted to the laboratory of Commonwealth Technology, Inc. for analysis. This testing was performed at the request of the Department of Natural Resources (DNR) as part of the long-term groundwater monitoring associated with the Refuse Hideaway Landfill.

Your well water was tested for the presence of volatile organic compounds (VOCs). As you can see from the enclosed laboratory results sheet, no VOCs were detected in your well water. Therefore, it does not appear that the Refuse Hideaway Landfill or any other contaminant source has impacted the water quality of your well with VOC contamination at this time.

If you have any questions about our work at the landfill or the enclosed drinking water quality results, please contact me at the address listed above or you can also contact me as indicated below.

Sincerely,

Hank Kuehling, P.G.
Remediation and Redevelopment Hydrogeologist
(608) 275-3286
kuehlnh@dnr.state.wi.us

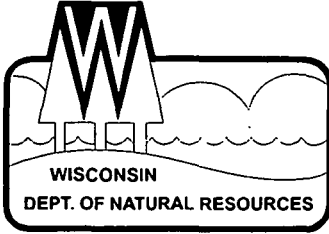
enclosure

cc: Dr. Henry Anderson - DHFS
Frank Perugini - ESC
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Tommy G. Thompson, Governor
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3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711-5397
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January 29, 2002

Ms. Larae J. Palo
Ms. Virginia C. Bowler
7873 Deer Run Road
Cross Plains, WI 53528

File Ref: 113112010
Dane County

SUBJECT: Results of Drinking Water Quality Testing, November 2001

Dear Ms. Palo and Ms. Bowler:

Drinking water samples were collected from your home in November 2001 by Environmental Sampling Corporation and submitted to the laboratory of Commonwealth Technology, Inc. for analysis. This testing was performed at the request of the Department of Natural Resources (DNR) as part of the long-term groundwater monitoring associated with the Refuse Hideaway Landfill.

Your well water was tested for the presence of volatile organic compounds (VOCs). As you can see from the enclosed laboratory results sheet, no VOCs were detected in your well water. Therefore, it does not appear that the Refuse Hideaway Landfill or any other contaminant source has impacted the water quality of your well with VOC contamination at this time.

If you have any questions about our work at the landfill or the enclosed drinking water quality results, please contact me at the address listed above or you can also contact me as indicated below.

Sincerely,

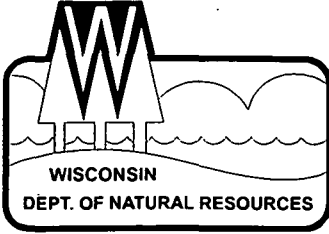
Hank Kuehling, P.G.
Remediation and Redevelopment Hydrogeologist
(608) 275-3286
kuehlh@dnr.state.wi.us

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3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711-5397
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TDD 608-275-3231

January 29, 2002

Mr. Jerry Wagner
7902 USH 14
Cross Plains, WI 53528

File Ref: 113112010
Dane County

SUBJECT: Results of Drinking Water Quality Testing, November 2001

Dear Mr. Wagner:

Drinking water samples were collected from your home in November 2001 by Environmental Sampling Corporation and submitted to the laboratory of Commonwealth Technology, Inc. for analysis. This testing was performed at the request of the Department of Natural Resources (DNR) as part of the long-term groundwater monitoring associated with the Refuse Hideaway Landfill.

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If you have any questions about our work at the landfill or the enclosed drinking water quality results, please contact me at the address listed above or you can also contact me as indicated below.

Sincerely,

Hank Kuehling, P.G.
Remediation and Redevelopment Hydrogeologist
(608) 275-3286
kuehlh@dnr.state.wi.us

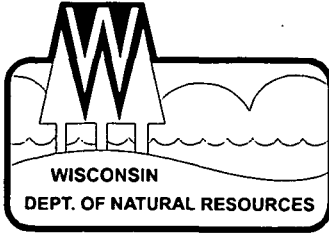
enclosure

cc: Dr. Henry Anderson - DHFS
Frank Perugini - ESC
DG/SCR

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Tommy G. Thompson, Governor
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Ruthe E. Badger, Regional Director

South Central Region Headquarters
3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711-5397
Telephone 608-275-3266
FAX 608-275-3338
TDD 608-275-3231

January 29, 2002

Mr. Wayne Rounds
7785 Low Road
Middleton, WI 53562

File Ref: 113112010
Dane County

SUBJECT: Results of Drinking Water Quality Testing, November 2001

Dear Mr. Rounds:

Drinking water samples were collected from your home in November 2001 by Environmental Sampling Corporation and submitted to the laboratory of Commonwealth Technology, Inc. for analysis. This testing was performed at the request of the Department of Natural Resources (DNR) as part of the long-term groundwater monitoring associated with the Refuse Hideaway Landfill.

Your well water was tested for the presence of volatile organic compounds (VOCs). As you can see from the enclosed laboratory results sheet, no VOCs were detected in your well water. Therefore, it does not appear that the Refuse Hideaway Landfill or any other contaminant source has impacted the water quality of your well with VOC contamination at this time.

If you have any questions about our work at the landfill or the enclosed drinking water quality results, please contact me at the address listed above or you can also contact me as indicated below.

Sincerely,

Hank Kuehling, P.G.
Remediation and Redevelopment Hydrogeologist
(608) 275-3286
kuehln@dnr.state.wi.us

enclosure

cc: Dr. Henry Anderson - DHFS
Frank Perugini - ESC
DG/SCR

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Johnson, Deborah D - DNR Legal

From: Renville, Joe W
Sent: Tuesday, February 12, 2002 12:01 PM
To: Riewe, Thomas V; Kuehling, Harlan H; McCutcheon, Patrick
Cc: Hogan, Adam; Putra, Mark F; Johnson, Deborah D - DNR Legal
Subject: RE: Refuse Hideaway Aftermath

At this point I'm going to defer to Deb as she has the ROD, and will review it to see if it provides some direction on how to proceed in this matter.

Joseph Wm. Renville, Attorney
Bureau of Legal Services
Wisconsin Department of Natural Resources
PO Box 7921
Madison, WI 53707-7921

Phone: 608-266-9454
Fax: 608-266-6983
E-mail: <mailto:renvij@dnr.state.wi.us>

From: McCutcheon, Patrick
Sent: Tuesday, February 05, 2002 2:38 PM
To: Riewe, Thomas V; Kuehling, Harlan H
Cc: Hogan, Adam; Putra, Mark F; Johnson, Deborah D - DNR Legal; Renville, Joe W
Subject: RE: Refuse Hideaway Aftermath

The interesting twist to this situation is that instead of DNR merely approving the installation of a treatment devise, which is then installed and maintained by the property owner, we paid for the installation and the maintenance of the system in this case. More importantly, we paid for not because we are the regulators and thought it would be nice, but because we are partially responsible for the impacts to that well. Now, with DNR being the sole performing PRP, we are the ones out there who would be held liable should this treatment system be shut off and/or removed and the contaminant level suddenly goes up. I'm curious to hear what Legal thinks on this issue. When a private well owner chooses to put a treatment devise on their well, in lieu of new well construction, and we approve it our liability really doesn't go any farther. We could monitor the situation and provide the home owner with the results, but the ultimate decision to continue to use the treatment system and bear the associated maintenance costs is theres. We can tell them it isn't necessary but we wouldn't tell them they had to disconnect it. In this situation the home owner is consuming treated water and we have taken on the responsibility to pay for the maintenance. So, now that we have a year's worth of data to show the well water quality is <ES do we stop paying for the maintenance and, in effect, force the home owner to start drinking untreated water? If so, how often do we sample that well water to make sure the concentrations don't go up again? What frequency is sufficient, knowing that lab data from a potable well is a reflection of the water quality **at the time the sample was collected**. The quality could have changed before we reached the State Lab with the sample. Who is to say the water they are consuming is acceptable for the month (or more??) in between sampling events? If it all of sudden is >ES at the next sample event, what level of liability would we accept by now having removed the treatment and caused the home owner to consume contaminated groundwater for the past month (worst case scenario)? Now, add to that the fact that we, DNR, has accepted the responsibility for this site and are liable. I don't know about you folks but I wouldn't be very comfortable removing this treatment system until I had a minimum of 4 rounds of quarterly samples showing concentrations <PALs. I know that sounds excessive, but if you look at the potential for liability it seems to make sense to me. Especially when you consider that lawsuits have already been filed and won in regards to exposure to the contaminated groundwater.

So there. What say you oh wise and exhalted attorney types???

Pat

Patrick McCutcheon
Remediation & Redevelopment Team Supervisor
(☒) mccutp@dnr.state.wi.us

(608) 608/275-3241

From: Kuehling, Harlan H
Sent: Tuesday, February 05, 2002 1:55 PM
To: Riewe, Thomas V
Cc: Hogan, Adam; McCutcheon, Patrick; Putra, Mark F
Subject: RE: Refuse Hideaway Aftermath

Thanks once again, Tom, this time for a very logical and justifiable perspective. Pat has added an interesting point regarding liability exposure if we stop paying for treatment maintenance and a contaminant rises above the health advisory standard between monitoring rounds. We'll have to give that some thought.

Hank

From: Riewe, Thomas V
Sent: Tuesday, February 05, 2002 11:29 AM
To: Kuehling, Harlan H
Cc: Hogan, Adam; McCutcheon, Patrick; Putra, Mark F
Subject: RE: Refuse Hideaway Aftermath

Hi again, Hank. From the point of view of the Well Compensation Program, we would not consider funding the treatment of this water supply at these recent contaminant concentrations. Further, our Private Water program would not normally issue an advisory to the owner of a water supply having contaminants at these concentrations, except if, for some reason, we thought the 'suite' of chemicals could cause some synergistic effects. Since we would not issue an advisory to the owner to refrain from consuming the water, we would not fund the cost of a treatment system and leave the decision to treat or not to treat up to the owner. With this in mind, I am not sure why treatment should be continued.

Tom Riewe
Private Water Systems Section
Bureau of Drinking Water & Groundwater
(608) 266-8697

From: Kuehling, Harlan H
Sent: Tuesday, February 05, 2002 11:08 AM
To: Riewe, Thomas V
Cc: Hogan, Adam; McCutcheon, Patrick; Putra, Mark F
Subject: RE: Refuse Hideaway Aftermath

Thanks, Tom. Here's a bit more information. Within the past year, the State assumed the responsibility for paying the costs of maintenance of the Stoppleworth's and Noles' treatment systems and reimbursed those parties for their past costs. So they are satisfied with the current arrangement, as am I.

My question is: if the Stoppleworth well has contaminants that are consistently below the ES/MCL/health advisory levels (four rounds over a year), why should treatment be continued? I don't mind paying for maintenance costs, but, if standards aren't exceeded, at what point can treatment be stopped?

Hank

From: Riewe, Thomas V
Sent: Tuesday, February 05, 2002 10:13 AM
To: Kuehling, Harlan H
Cc: Hogan, Adam; McCutcheon, Patrick; Putra, Mark F
Subject: Refuse Hideaway Aftermath

I guess what I would do before you make a decision on how to proceed on this is to check with Terry Evanson to find out exactly what agreement was made back in the early 1990s regarding the installation of this treatment unit and its subsequent maintenance and sampling costs.

Regarding Well Compensation eligibility, even if they were income eligible, they would only be eligible for an award if the water had contaminants that exceeded the enforcement standards of NR 140. Further, if they were eligible, they would be eligible for installation of the treatment unit and not for the maintenance of it. Since they already have a treatment unit, this seems to be a non-issue.

TVR

Tom Riewe
Private Water Systems Section
Bureau of Drinking Water & Groundwater
(608) 266-8697

From: Kuehling, Harlan H
Sent: Monday, February 04, 2002 1:58 PM
To: Putra, Mark F; Riewe, Thomas V
Cc: Hogan, Adam; McCutcheon, Patrick

Sparky and Tom,
Adam Hogan suggested that I ask my question of you two. We started sampling the untreated water supply at the Al Stopplesworth property and at his neighbors, the Noles, at the end of 2000. Both residences are still using point-of-entry treatment systems that the State pays to have maintained.

We now have four rounds of VOC data for both wells. The Noles consistently have PCE in their well water in the 5-7 ug/L range, but that well is not the issue here. When can the treatment of the Stopplesworth water supply be stopped and untreated well water be used for all uses in the residence? All of the Stopplesworth data is below associated ESs with the following detects:

VOC	11/00	02/01	05/01	11/01
cis-1,2-dichloroethene	1.7 ug/L	2.0	2.5	1.7
Tetrachloroethene	3.7	3.4	2.3	3.5
Trichloroethene	0.62	0.82	0.65	
Trichlorofluoromethane	0.16	0.16	0.14	
1,1-Dichloroethane	0.28	0.32	0.34	0.26
Dichlorodifluoromethane		0.7	0.74	0.54
0.74				

We will continue to monitor untreated well water quality semi-annually.

What is your opinion in stopping treatment, or what is the precedent in a case such as this?

Thanks, Guys.

Hank

Hank Kuehling, P.G.
Remediation & Redevelopment Program Hydrogeologist
South Central Region
(608) 275-3286
kuehlh@dnr.state.wi.us

SCS FIELD SERVICES

March 6, 2002
File No. 07197026.00

COPY

Mr. Paul H. Nehm
Director of Operations and Maintenance
Madison Metropolitan Sewerage District
1610 Moorland Road
Madison, WI 53713-3398

Subject: Results of Leachate Analysis - Refuse Hideaway Landfill, Permit NTO-5F

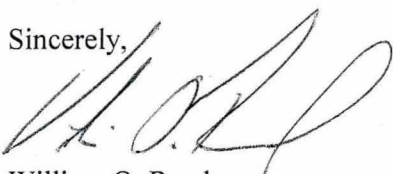
Dear Mr. Nehm:

On behalf of our client, the Wisconsin Department of Natural Resources, SCS Field Services hereby submits the laboratory analytical results of a leachate sample collected from the subject site. All analyzed compounds are below the effluent limitations contained in the site's discharge permit.

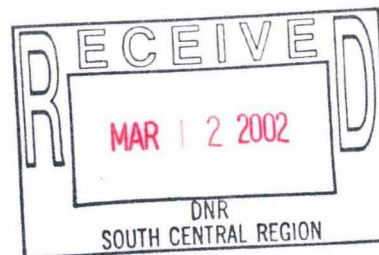
The sample was collected on September 26, 2001 and received by the laboratory on September 27, 2001. A copy of the analysis is attached.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations.

If you have any questions, please feel free to contact me at (800) 339-3034.

Sincerely,


William O. Reed
Regional Manager
SCS FIELD SERVICES



WOR/jab

Enclosure

cc: Harlan Kuehling, P.G. - WDNR





1230 Lange Court
 Baraboo, WI 53913-6109
 Phone: (800) 228-9012
 Fax: (608) 356-2766
 www.ctilaboratories.com

ANALYTICAL REPORT

1 of 2

ENVIRONMENTAL SAMPLING CORP.

FRANK PERUGINI

PO BOX 12

MUSKEGO, WI 53150

414-427-5034

Project Name: REFUSE HIDEAWAY

Contract #: 552

Project #:

Folder #: 20439

Purchase Order #:

Arrival Temperature: See COC

Report Date: 10/10/01

Date Received: 9/27/01

Reprint Date:

CTI LAB#:	89346	Sample Description:	RHL-LEACHATE TANK	Sampled:	9/26/01	1510
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
Color (Field)	BLACK		N/A	N/A	1			9/29/01	PML	
Conductivity (Field)	21.00	umhos/cm	N/A	N/A	1			9/28/01	PML	
Odor (Field)	STRONG		N/A	N/A	1			9/28/01	PML	
pH (Field)	7.31	S.U.	N/A	N/A	1			9/28/01	PML	
Temperature (Field)	21.3	Deg. C	N/A	N/A	1			9/28/01	PML	
Turbidity (Field)	MOD		N/A	N/A	1			9/28/01	PML	
Inorganic Results										
Total Cyanide	12	ug/L	1.5	5.0	1		10/8/01	10/9/01	MMC	EPA 9012A
Total Hexavalent Chromium	<4	ug/L	4	14	1	M		9/27/01	KAR	EPA 7196A
Metals Results										
Total Cadmium	0.35	ug/L	0.35	1.2	1		9/28/01	9/28/01	NAH	EPA 6010B
Total Chromium	36.8	ug/L	0.71	2.4	1		9/28/01	9/28/01	NAH	EPA 6010B
Total Copper	<2.8	ug/L	2.8	9.2	1		9/28/01	9/29/01	NAH	EPA 6010B
Total Lead	<1.4	ug/L	1.4	4.6	1		9/28/01	9/28/01	NAH	EPA 6010B
Total Nickel	100	ug/L	3.6	12	1		9/28/01	9/28/01	NAH	EPA 6010B
Total Selenium	9.5	ug/L	3.0	10	1		9/28/01	9/28/01	NAH	EPA 6010B
Total Silver	<0.64	ug/L	0.64	2.1	1		9/28/01	9/28/01	NAH	EPA 6010B
Total Zinc	9.9	ug/L	2.3	7.5	1		9/28/01	9/28/01	NAH	EPA 6010B
Total Mercury	<0.14	ug/L	0.14	0.47	1		9/29/01	10/1/01	NAH	EPA 7470

WI DNR Lab Certification Number: 15-7066030
 DATCP Certification Number: 105-000289

Solid sample results reported on a Dry Weight Basis



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Scott McCallum, Governor
Darrell Bazzell, Secretary
Ruthe E. Badger, Regional Director

South Central Region Headquarters
3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711-5397
Telephone 608-275-3266
FAX 608-275-3338
TTY 608-275-3231

August 30, 2002

FID # 113112010

Steve and Shirley Noles
7734 U.S.H. 14
Middleton, WI 53562

Subject: Results of Drinking Water Quality Testing, May 2002

Dear Mr. and Ms. Noles:

Drinking water samples were collected from your home in May 2002 by Environmental Sampling Corporation and submitted to the laboratory of Commonwealth Technology, Inc. for analysis. This testing was performed at the request of the Department of Natural Resources (DNR) as part of the long-term groundwater monitoring associated with the Refuse Hideaway Landfill. The samples were collected from the part of your water supply system that is not treated by your point-of-entry treatment system.

Your well water was tested for the presence of volatile organic compounds (VOCs). As you can see from the enclosed laboratory results sheet, VOCs were detected in your untreated well water.

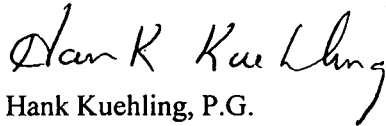
VOC Name	Result (ug/L)	Health Advisory Standard (ug/L)
1,1-Dichloroethane	0.80	850
cis-1,2-Dichloroethene	4.6	70
Chloroethane	0.28	400
Chloromethane	0.31	3
Dichlorodifluoromethane	1.7	1000
Tetrachloroethene	6.3	5
Trichloroethene	2.0	5
Trichlorofluoromethane	0.37	2000

Tetrachloroethene is the only contaminant that is above a health advisory standard. Because this sample was taken from the untreated portion of your water supply, these results are not as pertinent to human health concerns as the results from samples that have been collected by Hellenbrand Water Center from the treated portion of your water supply. My records from Hellenbrand indicate that analysis of their treated water sample did not detect tetrachloroethene above the detection limit of 2 micrograms/liter (ug/L) of sample water. I recommend that you continue to treat your water supply for household use as you have in the past.

The concentration of tetrachloroethene is only slightly above the health advisory standard. My preference is to continue to routinely collect two untreated samples from your water supply in May and November of each year to determine if contaminant concentrations are changing or remaining stable over time. This semi-annual testing will continue to take place as part of the State of Wisconsin's routine groundwater monitoring program for Refuse Hideaway Landfill.

If you have any questions or comments about the arrangements noted above, the enclosed drinking water quality results, or our work at the landfill, please contact me at the address listed above or you can also contact me as indicated below.

Sincerely,



Hank Kuehling, P.G.
Remediation and Redevelopment Hydrogeologist
(608) 275-3286
kuehlh@dnr.state.wi.us

enclosure

cc: Dr. Henry Anderson - DHFS
Frank Perugini - ESC
DG/SCR



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Scott McCallum, Governor
Darrell Bazzell, Secretary
Ruthe E. Badger, Regional Director

South Central Region Headquarters
3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711-5397
Telephone 608-275-3266
FAX 608-275-3338
TTY 608-275-3231

August 30, 2002

FID # 113112010

Al and Jean Stoppeworth
7750 U.S.H. 14
Middleton, WI 53562

Subject: Results of Drinking Water Quality Testing, May 2002

Dear Mr. and Ms. Stoppeworth:

Drinking water samples were collected from your home in May 2002 by Environmental Sampling Corporation and submitted to the laboratory of Commonwealth Technology, Inc. for analysis. This testing was performed at the request of the Department of Natural Resources (DNR) as part of the long-term groundwater monitoring associated with the Refuse Hideaway Landfill. The samples were collected from the part of your water supply system that is not treated by your point-of-entry treatment system.

Your well water was tested for the presence of volatile organic compounds (VOCs). As you can see from the enclosed laboratory results sheet, VOCs were detected in your untreated well water.

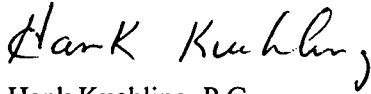
<u>VOC Name</u>	<u>Result (ug/L)</u>	<u>Health Advisory Standard (ug/L)</u>
1,1-Dichloroethane	0.29	850
cis-1,2-Dichloroethene	1.5	70
Chloromethane	0.32	3
Dichlorodifluoromethane	0.85	1000
Tetrachloroethene	3.0	5
Trichloroethene	0.64	5
Trichlorofluoromethane	0.13	2000

The detected VOCs were all found to be at levels below the associated health advisory standards. Because this sample was taken from the untreated portion of your water supply, these results are not as pertinent to human health concerns as the results from samples that have been collected by Hellenbrand Water Center from the treated portion of your water supply. My records from Hellenbrand indicate that analysis of their treated water sample did not detect tetrachloroethene above the detection limit of 2 micrograms/liter (ug/L) of sample water.

I recommend that you continue to treat your water supply for household use as you have in the past. The semi-annual testing of the untreated portion of your water supply will continue to take place in May and November as part of the State of Wisconsin's routine groundwater monitoring program for Refuse Hideaway Landfill.

If you have any questions or comments about the arrangements noted above, the enclosed drinking water quality results, or our work at the landfill, please contact me at the address listed above or you can also contact me as indicated below.

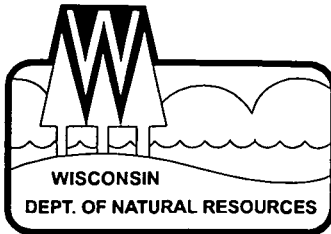
Sincerely,



Hank Kuehling, P.G.
Remediation and Redevelopment Hydrogeologist
(608) 275-3286
kuehlh@dnr.state.wi.us

enclosure

cc: Dr. Henry Anderson - DHFS
Frank Perugini - ESC
DG/SCR



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Tommy G. Thompson, Governor
George E. Meyer, Secretary
Ruthe E. Badger, Regional Director

South Central Region Headquarters
3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711-5397
Telephone 608-275-3266
FAX 608-275-3338
TDD 608-275-3231

August 30, 2002

File Ref: 113112010
Dane County

Arvid & Margaret Sather
7911 Deer Run Road
Cross Plains, WI 53528

SUBJECT: Results of Drinking Water Quality Testing, May 2002

Dear Mr. and Ms. Sather:

Drinking water samples were collected from your home in May 2002 by Environmental Sampling Corporation and submitted to the laboratory of Commonwealth Technology, Inc. for analysis. This testing was performed at the request of the Department of Natural Resources (DNR) as part of the groundwater monitoring associated with the Refuse Hideaway Landfill.

Your well water was tested for the presence of volatile organic compounds (VOCs). As you can see from the enclosed laboratory results sheet, one VOC, chloromethane, was detected in the sample. A likely explanation of this detection is that it is the result of contamination at the laboratory and not of your well water. In addition, chloromethane was detected at similar concentrations in other wells that, like yours, have no history of detection of this VOC. The health advisory level for this VOC is 3 ug/L; the concentration reported for the sample from your well is significantly lower than this threshold, regardless of its source. No other VOCs were detected in your well water. It does not appear that the Refuse Hideaway Landfill or any other contaminant source has impacted the water quality of your well with VOC contamination at this time.

The Department will continue to monitor your well at the same frequency that it has in the past. If you have any questions about our work at the landfill or the enclosed drinking water quality results, please contact me as indicated below.

Sincerely,

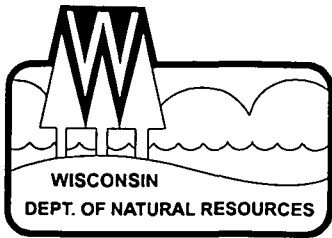
Hank Kuehling, P.G.
Remediation and Redevelopment Hydrogeologist
(608) 275-3286
kuehlnh@dnr.state.wi.us

enclosure

cc: Dr. Henry Anderson - DHFS
Frank Perugini - ESC
DG/SCR

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Tommy G. Thompson, Governor
George E. Meyer, Secretary
Ruthe E. Badger, Regional Director

South Central Region Headquarters
3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711-5397
Telephone 608-275-3266
FAX 608-275-3338
TDD 608-275-3231

August 30, 2002

File Ref: 113112010
Dane County

William & Evelyn Plummer
7877 Deer Run Road
Cross Plains, WI 53528

SUBJECT: Results of Drinking Water Quality Testing, May 2002

Dear Mr. and Ms. Plummer:

Drinking water samples were collected from your home in May 2002 by Environmental Sampling Corporation and submitted to the laboratory of Commonwealth Technology, Inc. for analysis. This testing was performed at the request of the Department of Natural Resources (DNR) as part of the groundwater monitoring associated with the Refuse Hideaway Landfill.

Your well water was tested for the presence of volatile organic compounds (VOCs). As you can see from the enclosed laboratory results sheets, one VOC, chloromethane, was detected in the sample. A likely explanation of this detection is that it is the result of contamination at the laboratory and not of your well water. In addition, chloromethane was detected at similar concentrations in other wells that, like yours, have no history of detection of this VOC. The health advisory level for this VOC is 3 ug/L; the concentration reported for the sample from your well is significantly lower than this threshold, regardless of its source. No other VOCs were detected in your well water. It does not appear that the Refuse Hideaway Landfill or any other contaminant source has impacted the water quality of your well with VOC contamination at this time.

The Department will continue to monitor your well at the same frequency that it has in the past. If you have any questions about our work at the landfill or the enclosed drinking water quality results, please contact me as indicated below.

Sincerely,

Hank Kuehling, P.G.
Remediation and Redevelopment Hydrogeologist
(608) 275-3286
kuehlh@dnr.state.wi.us

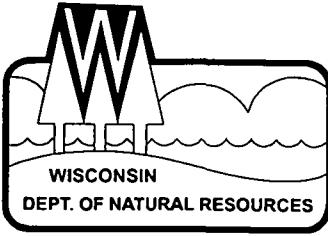
enclosure

cc: Dr. Henry Anderson - DHFS
Frank Perugini - ESC
DG/SCR

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State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Tommy G. Thompson, Governor
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Ruthe E. Badger, Regional Director

South Central Region Headquarters
3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711-5397
Telephone 608-275-3266
FAX 608-275-3338
TDD 608-275-3231

August 30, 2002

Raymond & Mary Bula
RFD 1, 7872 Deer Run East
Cross Plains, WI 53528

File Ref: 113112010
Dane County

SUBJECT: Results of Drinking Water Quality Testing, May 2002

Dear Mr. and Ms. Bula:

Drinking water samples were collected from your home in May 2002 by Environmental Sampling Corporation and submitted to the laboratory of Commonwealth Technology, Inc. for analysis. This testing was performed at the request of the Department of Natural Resources (DNR) as part of the groundwater monitoring associated with the Refuse Hideaway Landfill.

Your well water was tested for the presence of volatile organic compounds (VOCs). As you can see from the enclosed laboratory results sheet, no VOCs were detected in your well water. Therefore, it does not appear that the Refuse Hideaway Landfill or any other contaminant source has impacted the water quality of your well with VOC contamination at this time.

The Department will continue to monitor your well at the same frequency that it has in the past. If you have any questions about our work at the landfill or the enclosed drinking water quality results, please contact me at the address listed above or you can also contact me as indicated below.

Sincerely,

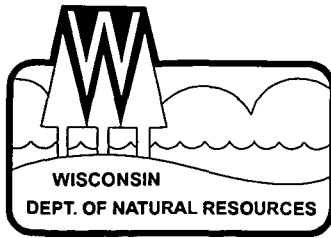
Hank Kuehling, P.G.
Remediation and Redevelopment Hydrogeologist
(608) 275-3286
kuehlh@dnr.state.wi.us

enclosure

cc: Dr. Henry Anderson - DHFS
Frank Perugini - ESC
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Tommy G. Thompson, Governor
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Ruthe E. Badger, Regional Director

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Fitchburg, Wisconsin 53711-5397
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FAX 608-275-3338
TDD 608-275-3231

August 30, 2002

File Ref: 113112010
Dane County

Jeanette Wheat & Daryl Krueger
4306 Fawn Court
Cross Plains, WI 53528

SUBJECT: Results of Drinking Water Quality Testing, May 2002

Dear Ms Wheat. and Mr. Krueger:

Drinking water samples were collected from your home in May 2002 by Environmental Sampling Corporation and submitted to the laboratory of Commonwealth Technology, Inc. for analysis. This testing was performed at the request of the Department of Natural Resources (DNR) as part of the groundwater monitoring associated with the Refuse Hideaway Landfill.

Your well water was tested for the presence of volatile organic compounds (VOCs). As you can see from the enclosed laboratory results sheet, one VOC, chloromethane, was detected in the sample. A likely explanation of this detection is that it is the result of contamination at the laboratory and not of your well water. In addition, chloromethane was detected at similar concentrations in other wells that, like yours, have no history of detection of this VOC. The health advisory level for this VOC is 3 ug/L; the concentration reported for the sample from your well is significantly lower than this threshold, regardless of its source. No other VOCs were detected in your well water. It does not appear that the Refuse Hideaway Landfill or any other contaminant source has impacted the water quality of your well with VOC contamination at this time.

The Department will continue to monitor your well at the same frequency that it has in the past. If you have any questions about our work at the landfill or the enclosed drinking water quality results, please contact me as indicated below.

Sincerely,

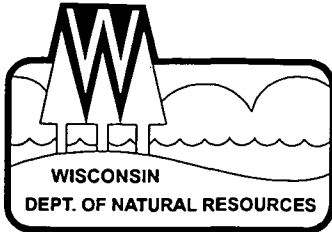
Hank Kuehling, P.G.
Remediation and Redevelopment Hydrogeologist
(608) 275-3286
kuehln@dnr.state.wi.us

enclosure

cc: Dr. Henry Anderson - DHFS
Frank Perugini - ESC
DG/SCR

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State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Tommy G. Thompson, Governor
George E. Meyer, Secretary
Ruthe E. Badger, Regional Director

South Central Region Headquarters
3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711-5397
Telephone 608-275-3266
FAX 608-275-3338
TDD 608-275-3231

August 30, 2002

File Ref: 113112010
Dane County

Mr. Jerry Trantow & Ms. Grace Thompson
4318 Fawn Court
Cross Plains, WI 53528

SUBJECT: Results of Drinking Water Quality Testing, May 2002

Dear Mr. Trantow and Ms. Thompson:

Drinking water samples were collected from your home in May 2002 by Environmental Sampling Corporation and submitted to the laboratory of Commonwealth Technology, Inc. for analysis. This testing was performed at the request of the Department of Natural Resources (DNR) as part of the groundwater monitoring associated with the Refuse Hideaway Landfill.

Your well water was tested for the presence of volatile organic compounds (VOCs). As you can see from the enclosed laboratory results sheet, no VOCs were detected in your well water. Therefore, it does not appear that the Refuse Hideaway Landfill or any other contaminant source has impacted the water quality of your well with VOC contamination at this time.

The Department will continue to monitor your well at the same frequency that it has in the past. If you have any questions about our work at the landfill or the enclosed drinking water quality results, please contact me as indicated below.

Sincerely,

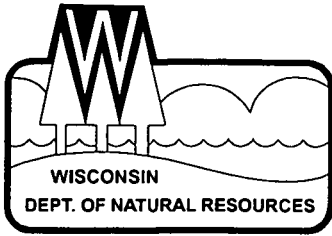
Hank Kuehling, P.G.
Remediation and Redevelopment Hydrogeologist
(608) 275-3286
kuehlh@dnr.state.wi.us

enclosure

cc: Dr. Henry Anderson - DHFS
Frank Perugini - ESC
DG/SCR

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State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Tommy G. Thompson, Governor
George E. Meyer, Secretary
Ruthe E. Badger, Regional Director

South Central Region Headquarters
3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711-5397
Telephone 608-275-3266
FAX 608-275-3338
TDD 608-275-3231

August 30, 2002

File Ref: 113112010
Dane County

Richard Summers
4610 Rocky Dell Road, Route 1
Middleton, WI 53562

SUBJECT: Results of Drinking Water Quality Testing, May 2002

Dear Mr. Summers:

Drinking water samples were collected from your home in May 2002 by Environmental Sampling Corporation and submitted to the laboratory of Commonwealth Technology, Inc. for analysis. This testing was performed at the request of the Department of Natural Resources (DNR) as part of the groundwater monitoring associated with the Refuse Hideaway Landfill.

Your well water was tested for the presence of volatile organic compounds (VOCs). As you can see from the enclosed laboratory results sheet, one VOC, chloromethane, was detected in the sample. A likely explanation of this detection is that it is the result of contamination at the laboratory and not of your well water. In addition, chloromethane was detected at similar concentrations in other wells that, like yours, have no history of detection of this VOC. The health advisory level for this VOC is 3 ug/L; the concentration reported for the sample from your well is significantly lower than this threshold, regardless of its source. No other VOCs were detected in your well water. It does not appear that the Refuse Hideaway Landfill or any other contaminant source has impacted the water quality of your well with VOC contamination at this time.

The Department will continue to monitor your well at the same frequency that it has in the past. If you have any questions about our work at the landfill or the enclosed drinking water quality results, please contact me as indicated below.

Sincerely,

Hank Kuehling, P.G.
Remediation and Redevelopment Hydrogeologist
(608) 275-3286
kuehnh@dnr.state.wi.us

enclosure

cc: Dr. Henry Anderson - DHFS
Frank Perugini - ESC
DG/SCR

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SCS FIELD SERVICES

September 5, 2002
File No. 07197026.00

Mr. Paul H. Nehm
Director of Operations and Maintenance
Madison Metropolitan Sewerage District
1610 Moorland Road
Madison, WI 53713-3398

COPY

Subject: Results of Leachate Analysis - Refuse Hideaway Landfill, Permit NTO-5F

Dear Mr. Nehm:

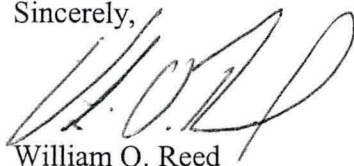
On behalf of our client, the Wisconsin Department of Natural Resources, SCS Field Services hereby submits the laboratory analytical results of leachate samples collected from the subject site. All analyzed compounds are below the effluent limitations contained in the site's discharge permit.

The two samples were collected on June 12, 2002 and received by the laboratory on June 12 and 14, 2002. Copies of the analyses are attached.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations.

If you have any questions, please feel free to contact me at (800) 339-3034.

Sincerely,

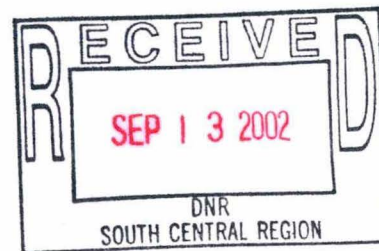


William O. Reed
Regional Manager
SCS FIELD SERVICES

WOR/jab

Enclosure

cc: Harlan Kuehling, P.G. - WDNR





1230 Lange Court
 Baraboo, WI 53913-3109
 Phone: (800) 228-3012
 Fax: (608) 356-2766
 www.ctlaboratories.com

ANALYTICAL REPORT

1 of 2

ENVIRONMENTAL SAMPLING CORP.
 FRANK PERUGINI
 W125 S9809 NORTH CAPE ROAD
 MUSKEGO, WI 53150

Project Name: REFUSE HIDEAWAY
 Contract #: 552
 Project #:
 Folder #: 26820
 Purchase Order #:
 Arrival Temperature: See COC
 Report Date: 6/27/2002
 Date Received: 6/12/2002
 Reprint Date:

CTI LAB#:	131996	Sample Description:	RHL-LEACHATE TANK	Sampled:	6/12/2002	1255
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
Inorganic Results										
Total Cyanide	10	ug/L	3.6 *	12	1		6/17/2002	6/18/2002	MMC	EPA 9012A
Total Hexavalent Chromium	<1	ug/L	1	4	1	M		6/13/2002	SET	EPA 7196A
Organic Results										
Qualifiers applying to all Analytes of Method EPA 9070: T										
Oil and Grease	33	mg/L	1.04	N/A	1		6/26/2002	6/27/2002	SHU	EPA 9070

CTI LAB#:	131997	Sample Description:	RHL-LEACHATE TANK	Sampled:	6/12/2002	1255
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date	Analysis Date	Analyst	Method
Metals Results										
TCLP Cadmium	<1.0	mg/L	0.00035	0.0012	1		6/14/2002	6/18/2002	NAH	EPA 6010B
TCLP Chromium	<5.0	mg/L	0.00071	0.0024	1		6/14/2002	6/18/2002	NAH	EPA 6010B
TCLP Copper	0.0119	mg/L	0.0028	0.0092	1		6/14/2002	6/18/2002	NAH	EPA 6010B
TCLP Lead	<5.0	mg/L	0.0014	0.0046	1		6/14/2002	6/18/2002	NAH	EPA 6010B
TCLP Nickel	0.0756	mg/L	0.0036	0.012	1		6/14/2002	6/18/2002	NAH	EPA 6010B
TCLP Selenium	<1.0	mg/L	0.0030 *	0.010	1		6/14/2002	6/18/2002	NAH	EPA 6010B
TCLP Silver	<5.0	mg/L	0.00064	0.0021	1		6/14/2002	6/18/2002	NAH	EPA 6010B
TCLP Zinc	0.0238	mg/L	0.0023	0.0075	1		6/14/2002	6/18/2002	NAH	EPA 6010B
TCLP Mercury	<0.20	mg/L	0.00014	0.00047	1		6/14/2002	6/18/2002	NAH	EPA 7470

WI DNR Lab Certification Number: 15-7066030
 DATCP Certification Number: 105-000289

Solid sample results reported on a Dry Weight Basis

Notes: * Indicates Value in between LOD and LOQ.

All samples were received intact and properly preserved unless otherwise noted. The results reported relate only to the samples tested. This report shall not be reproduced, except in full, without written approval of this laboratory. The Chain of Custody is attached.

Submitted by: *RML*

Record Reviewer

QC Qualifiers

Code	Description
A	Analyte averaged calibration criteria within acceptable limits.
B	Analyte detected in associated Method Blank.
C	Toxicity present in BOD sample.
D	Diluted Out.
E	Safe, No Total Coliform detected.
F	Unsafe, Total Coliform detected, no E. Coli detected.
G	Unsafe, Total Coliform detected and E. Coli detected.
H	Holding time exceeded.
J	Estimated value.
L	Significant peaks were detected outside the chromatographic window.
M	Matrix spike and/or Matrix Spike Duplicate recovery outside acceptance limits.
N	Insufficient BOD oxygen depletion.
O	Complete BOD oxygen depletion.
P	Concentration of analyte differs more than 40% between primary and confirmation analysis.
Q	Laboratory Control Sample outside acceptance limits.
R	See Narrative at end of report.
S	Surrogate standard recovery outside acceptance limits due to apparent matrix effects.
T	Sample received with improper preservation or temperature.
V	Raised Quantitation or Reporting Limit due to limited sample amount or dilution for matrix background interference.
W	Sample amount received was below program minimum.
X	Analyte exceeded calibration range.
Y	Replicate/Duplicate precision outside acceptance limits.
Z	Calibration criteria exceeded.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 5

77 WEST JACKSON BOULEVARD
CHICAGO, IL 60604-3590

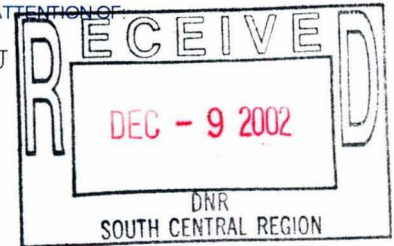
September 19, 2002

VIA FACSIMILE

VIA ELECTRONIC MAIL

REPLY TO THE ATTENTION OF

SR-6J



Mr. Hank Kuehling
Wisconsin Department of Natural Resources
South Central Region Headquarters
3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711-5397

**RE: REFUSE HIDEAWAY LANDFILL SUPERFUND SITE; MIDDLETON, WI.
Notice of Acceptability of RA Supervising Contractor;
Approval of "Documents Specifying the Manner in which the
Settling Performing Party Will Perform the RA at the Site"
(i.e., "Final Design" approval)**

Dear Mr. Kuehling:

This letter will serve as notification that the United States Environmental Protection Agency (U.S. EPA) has reviewed and approves the above referenced documents for the Remedial Action work at the Refuse Hideaway Landfill Superfund Site (the "site"). This approval letter constitutes successful achievement of the Remedial Design (RD) requirements of the Consent Decree issued on August 29, 2001.

For the RD documents, WDNR has submitted the following:

1. Correspondence submitted on July 11, 2001 identifying the contractors and summarizing their qualifications, including requirements from the contractor for the O&M contract for the site. WDNR has retained as the supervising contractor SCS Field Services of Austin, Texas for Operation and Maintenance (O&M) of the landfill gas / leachate collection and gas flare systems. For groundwater sampling and analysis, Environmental Sampling Corporation (ESC) of Muskego, Wisconsin has been retained;
2. Health and Safety Plans (HASPs), one from SCS (submitted in July 2001) and any other "specialized" sampling HASPs that ESC has written;
3. A "Groundwater Monitoring Program for RA" document submitted on October 26, 2001;
4. The Performance Standard Verification Plan, collectively made up of:
4.a. Groundwater Monitoring Program For RA (or Item 3),

4.b. Quality Assurance Project Plan in the form of ESC's "QA/QC Plan", 4.c. ESC's Field Sampling Plan in the form of written procedures specific to Refuse Hideaway sampling;

5. Draft RD report, submitted on November 27, 2001; and

6. RD (updated) O&M plan submitted on December 21, 2001.

These documents (including the contractors' equivalents) are acceptable for the Remedial Design requirements specified in the Consent Decree. During implementation of the Remedial Action, U.S. EPA and WDNR (the "Agencies") may need to amend or otherwise upgrade the language in these documents as the remedy systems continue to operate. In addition, as part of Superfund procedure, U.S. EPA and WDNR will regularly observe the operating remedy and compare its effectiveness against the remedy's cleanup goals. As we have discussed, it is possible that the Agencies may update these remedy goals and the site's remedy decision documents as part of normal Superfund procedures.

If you have any questions or if there is any further assistance I can provide, please call me at (312) 886-0800 or by electronic mail at "fagiolo.john@epa.gov". If you have any legal questions, you may contact Ms. Jacqueline Kline, Assistant Regional Counsel, at (312) 886-6632, or by e-mail at "kline.jacqueline@epa.gov". I would appreciate it if you could forward a copy of this letter to WDNR'S legal counsel as appropriate. Thank you for your cooperation.

Sincerely,



John V. Fagiolo
Remedial Project Manager
Superfund Division
U.S. EPA, Region 5

cc: Jacqueline Kline, Regional Counsel (C-14J)

Environmental Sampling Corp. (ESC)
Field Status Report – September 2002

WDNR / Refuse Hideaway Landfill
Middleton, Wisconsin

Page 1 of 2

Task	Sampling Period / Date	Sample Type / Description
I	09/27/02	Reporting

Project Status

- I. Reporting: ESC staff drafted and finalized both the Refuse Hideaway Site Plan and the Quality Assurance and Sampling Plan and mailed them on September 30, 2002.

Task Deviations and Reporting Turnaround

Test results will be available in approximately 30 days.

Field Observations

- None.

Proposed Additional Actions

- None.

Other Observations

- None.

Environmental Sampling Corp. (ESC)
Field Status Report – November 2002

COPY

WDNR / Refuse Hideaway Landfill
Middleton, Wisconsin

Page 1 of 1

Task	Sampling Period / Date	Sample Type / Description
I	11/11/02 – 11/12/02	Groundwater Monitoring Wells
II	11/12/02	Residential Wells
III	11/11/02 – 11/12/02	Ground Water Elevations
IV	Various Dates	Electronic Data
V.	11/06/02	Gas System Monitoring

Project Status

- I. Groundwater Sampling: ESC staff was on-site November 11 thru November 12 to sample the groundwater monitoring wells. Monitoring wells: P17S, P-20SR, P-21S, P-21D, P-22D, P-22S, P-25BR, P-25D, P-25S, P-27D, P-27S, P-30D, P-30I, P-31D, P-31IA, P-31IB, P-31S, P-40D, P-40I & P-41D were purged and sampled using dedicated bladder pumps. Monitoring wells P-20SR, and P21S were purged and sampled using dedicated bailers. A duplicate sample (DUP01) was collected at P-27D in accordance with ESC's QA/QC procedures. A field blank (FB-01) was collected near P-29S.
- II. Residential Well Sampling: ESC staff was on-site November 12 to collect nine (9) residential drinking water supply well samples (PW-Csargo/Roush, PW-Foster/Thesen, PW-Sather, PW-Durand, PW-Wagner, PW-Noles, PW-Stoppleworth, PW-Rounds & PW-Sommers).
- III. Groundwater Elevations: ESC staff was on-site November 11 thru November 12 to collect surface water elevations (S-1, S-2, and S-3) and the groundwater elevations from all of the remaining monitoring wells on site. Results were recorded on ESC's Groundwater Elevation Field Sheet.
- IV. Electronic Data: ESC compiled groundwater elevations for the site from 1996 and supplied the information to the WDNR electronically.
- V. Gas System Monitoring: ESC staff performed the weekly gas blower & flare reading and replaced the flare temperature chart on November 6, 2002.

Task Deviations and Reporting Turnaround

Test results will be available in approximately 30 days.

Field Observations

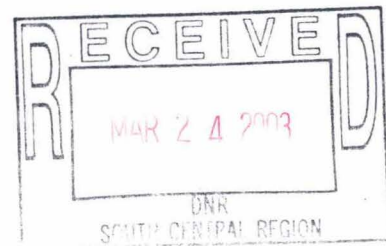
- Replaced a broken bladder at P-22S.
- Several wells need new locks.
- Dup-01 = P-27D.
- PW-Palo/Bowler is now PW-Csargo/Roush
- P-31IA needs a new brass fitting for the packer air line.
- Minor protective casing repair at P-22D & P-24E

Proposed Additional Actions

- None.

Other Observations

- None.



ENVIRONMENTAL SAMPLING CORP. GROUNDWATER MONITORING FIELD FORM
MONTH November, 2002

*****Purging Phase*****										*****Sampling Phase*****										
Well I.D.	Date 2002	Time (24 hrs.)	Top of Well Elevation (msl-ft.)	Depth to H ₂ O (ft.)	Ground Water Elevation (msl-ft.)	Total Depth (ft.)	Height of Water Col. (ft.)	Req. Gals. to Purge (4 vols.)	Amount Purged (gal.)	Date 2002	Time (24 hrs.)	pH (STD)	Spec. Cond. at (25°C)	Temp (°C)	Color Before Filter	Color After Filter	Odor	Turb Before Filter	Turb After Filter	Number of Filters Used
P-17S	11/11	1245	1081.75	144.81	936.91	158.8	13.96	9.0	9.0	11/11	1330	6.39	1092	11.2	Clr	-	None	None	-	-
P-20SR	11/2	1200	961.78	391.22	932.56	64.4	25.18	16.4	16.5	11/2	1720	7.72	765	15.5	Clr	-	None	None	-	-
P-21S	11/12	0900	936.43	136.41	922.79	19.6	5.96	3.9	PK 1/2	11/12	0910	6.61	4187	10.1	6132	-	None	Lead	-	-
P-22U	11/11	1110	1022.94	77.24	914.70	217.3	43.06	Packer 515	515	11/11	1500	7.37	648	7.8	Clr	-	None	None	-	-
P-22S	11/11	1110	1088.20	173.22	911.98	185.2	11.98	7.8	8.0	11/11	1530	7.64	550	8.1	Clr	-	None	None	-	-
P-27D	11/12	0920	1095.56	175.98	919.98	204.3	28.72	Packer 810	8.0	11/12	1030	7.00	768	8.3	Clr	-	None	None	-	-
P-27S	11/12	0845	1095.23	174.80	920.43	188.8	14.00	9.0	9.0	11/12	0930	6.80	350	8.3	Clr	-	None	None	-	-
P-29S	11/12	0910	1163.10	236.11	926.74	253.1	16.94	-	-	NO Sample Required										
P-30D	11/11	1235	932.97	20.30	910.67	287.4	265.10	Packer 1510	1510	11/11	1500	7.62	531	7.8	Clr	-	None	None	-	-
P-30I	11/11	1505	930.94	20.35	910.59	140.7	20.35	Packer 910	9.0	11/11	1530	7.14	693	7.8	Clr	-	None	None	-	-
P-31D	11/2	1200	915.71	-	-	255.9	-	Packer 810	8.0	11/12	1330	7.63	532	8.1	Clr	-	None	None	-	-
P-31IA	11/2	1200	916.77	-	-	93.2	-	Packer 810	8.0	11/12	1200	7.31	770	8.4	Clr	-	None	None	-	-
P-31IB	11/2	1130	916.49	-	-	132.7	-	Packer 810	8.0	11/12	1150	7.41	770	7.8	Clr	-	None	None	-	-

* Pumping I.D. (inches) <=> Gallons per Foot to Get 1 Well Volume.
1" Well <=> 0.092 gal. 2" Well <=> 0.163 gal. 3" Well <=> 0.377 4" <=> 0.653 gal.

Other Remarks: P-31IA needs a new brass fitting for packer
P-22S needs new packer
P-27D has damaged and is a not allowed to be used
NWP-01 = P-27D

Weather: Wind Speed 0-10 Direction NW Temp. 40°
Date: 11/11 Overview: 1300-1400
Date Equipment Used: 11/11
pH Meter: 210 Puffer pH7.0 = 7.00 pH 4.0 = 5.88 Slope = -
Spec. Cond. Meter: 210 Puffer Standard = 1000 Reading = 1005
Temp.: 7.1 Standard = - Reading = -

Site Name: Refuse Hideaway Landfill
Site Address: Middleton, WI
ESC Personnel: S.F./T.L./B.H.
ESC FF#1

ENVIRONMENTAL SAMPLING CORPORATION
414-427-5033

Client: WSPK
Project: 11/07 2002
Prepared by: S.F.
Checked by: S.F.
Page: 1 of 96
Date: 11/12/02
Date: 11/02

ENVIRONMENTAL SAMPLING CORP. GROUNDWATER MONITORING FIELD FORM
 MONTH NOVEMBER 2002

*****Purging Phase*****										*****Sampling Phase*****										
Well I.D.	Date 2002	Time (24 hrs.)	Top of Well Elevation (msl-ft.)	Depth to H ₂ O (ft.)	Ground Water Elevation (msl-ft.)	Total Depth (ft.)	Height of Water Col. (ft.)	Req. Gals. to Purge (4 vols.)	Amount Purged (gal.)	Date 2002	Time (24 hrs.)	pH (STD)	Spec. Cond. at (25°C)	Temp (°C)	Color Before Filter	Color After Filter	Odor	Turb Before Filter	Turb After Filter	Number of Filters Used
P-31S	11/12	1110	916.59	5.50	911.09	25.4	199	139	130	11/12	1130	7.57	511	7.8	11/1	—	None	None	—	—
P-34D	11/12	1215	1090.98	163.8	927.10	273.4	—	—	—											
P-34S	11/12	1215	1091.10	14.50	976.60	183.7	—	—	—											
P-35D	11/12	1215	1087.70	27.6	970.10	250.8	—	—	—											
P-35S	11/12	1215	1087.90	14.5	973.40	183.6	—	—	—											
P-40D	11/11	1325	922.98	11.99	910.99	253.5	241.51	PACKER 9.0	9.0	11/11	1345	6.81	596	9.3	CL	—	None	None	—	—
P-40I	11/11	1350	922.28	10.80	911.48	102.8	92.00	PACKER 9.0	9.0	11/11	1410	6.94	687	9.0	CL	—	None	None	—	—
P-41D	11/11	1250	924.82	17.62	907.20	103.0	85.38	PACKER 9.0	9.0	11/11	1305	6.27	699	12.0	CL	—	None	None	—	—
P-1D	11/12	—	926.67	4.72	921.95	—	—	—	—											
P-1S	11/12	—	924.39	11.70	912.69	—	—	—	—											
P-3S	11/12	—	932.79	10.73	922.06	—	—	—	—											
P-4S	11/12	—	929.89	7.99	921.90	—	—	—	—											
P-8BR	11/12	—	929.53	7.94	921.59	—	—	—	—											

*Casing I.D. (inches) <=> Gallons per Foot to Get 1 Well Volume.
 1.5" Well <=> 0.092 gal. 2" Well <=> 0.163 gal. 3" Well <=> 0.377 4" <=> 0.653 gal.

Weather: Wind Speed _____ Direction _____ Temp. _____
 Date: _____ Overview: _____

Other Remarks:
 P-41S + P-41D need new locks (lock + chain links @ 41D)
 NEW
 LOCKS needed at many water level wells

Date Equipment Used: 11/11
 pH Meter: Cole Parmer pH7.0 = 6.96 pH4.0 = 4.01 Slope = —
 Spec. Cond. Meter: Cole Parmer Standard = 1413 Reading = 1428
 Temp.: 12.8 Standard = _____ Reading = _____

Site Name: Refuse Hideaway Landfill ()
 Site Address: Middleton, WI _____
 ESC Personnel: SIF / Tolo / PH
 ESC FF#1 _____

ENVIRONMENTAL SAMPLING CORPORATION
 414-427-5033

Client: W DNR
 Project: 1126-1126-1
 Prepared by: _____
 Checked by: _____
 Page: 2 of 4
 Date: 11/13/02
 Date: 11/02

ENVIRONMENTAL SAMPLING CORP. GROUNDWATER MONITORING FIELD FORM
 MONTH November, 2002

*****Purging Phase*****										*****Sampling Phase*****											
Well I.D.	Date 2002	Time (24 hrs.)	Top of Well Elevation (msl-ft.)	Depth to H ₂ O (ft.)	Ground Water Elevation (msl-ft.)	Total Depth (ft.)	Height of Water Col. (ft.)	Req. to Purge (4 vols.)	Gals. Amount Purged (gal.)	Date 2002	Time (24 hrs.)	pH (STD)	Spec. Cond. at (25°C)	Temp (°C)	Color Before Filter	Color After Filter	Odor	Turb Before Filter	Turb After Filter	Number of Filters Used	
P-8D	11/12	-	930.98	8.97	922.01	-	-	-	-												
P-8S	11/12	-	932.50	10.13	922.37	-	-	-	-												
P-9D	11/12	-	930.43	8.52	921.91	-	-	-	-												
P-9S	11/12	-	932.09	10.05	922.04	-	-	-	-												
P-16D	11/12	-	936.30	15.95	920.35	-	-	-	-												
P-16S	11/12	-	935.96	14.50	921.46	-	-	-	-												
P-18S	11/12	-	1020.57	97.69	922.88	-	-	-	-												
P-21BR	11/12	-	935.19	14.53	920.66	-	-	-	-												
P-21D	11/12	0850	935.81	14.38	921.43	41.60	27.22	17.7	18.0	11/12	0905	6.04	11656	10.4	clr	-	none	none	-	-	
P-23D	11/12	-	961.53	39.31	922.22	-	-	-	-												
P-23S	11/12	-	961.71	39.58	922.13	-	-	-	-												
P-24D	11/12	-	927.25	5.60	921.65	-	-	-	-												
P-24E	11/12	-	927.39	6.09	921.30	-	-	-	-												

*Casing I.D. (inches) ↔ Gallons per Foot to Get 1 Well Volume.
 1.5" Well ↔ 0.092 gal. 2" Well ↔ 0.163 gal. 3" Well ↔ 0.377 4" ↔ 0.653 gal.

Weather: Wind Speed 5-16 Direction N Temp. 42.0
 Date: 11/12 Overview: Sunny

Other Remarks:
P-24E casing has settled
P-21BR casing lid is broken
New locks worked at many water level wells

Date Equipment Used: 11/12
 pH Meter: Cole Parmer pH7.0 = 7.01 pH 4.0 = 5.96 Slope = -
 Spec. Cond. Meter: Cole Parmer Standard = 1413 Reading = 1418
 Temp.: 8.9 Standard = - Reading = -

Site Name: Refuse Hideaway Landfill
 Site Address: Middleton, WI
 ESC Personnel: S.R. Miller / G.H.
 ESC FF#1: -

ENVIRONMENTAL SAMPLING CORPORATION
 414-427-5033

Client: DP&K
 Project: 111st Street
 Prepared by: [Signature]
 Checked by: [Signature]
 Page: 3 of 36
 Date: 11/12/02
 Date: 11/02

ENVIRONMENTAL SAMPLING CORP. GROUNDWATER MONITORING FIELD FORM
MONTH November 2002

*****Purging Phase*****										*****Sampling Phase*****											
Well I.D.	Date 2002	Time (24 hrs.)	Top of Well Elevation (mst-ft.)	Depth to H ₂ O (ft.)	Ground Water Elevation (mst-ft.)	Total Depth (ft.)	Height of Water Col. (ft.)	Req. Gals. to Purge (4 vols.)	Amount Purged (gal.)	Date 2002	Time (24 hrs.)	pH (STD)	Spec. Cond. at (25°C)	Temp (°C)	Color Before Filter	Color After Filter	Odor	Turb Before Filter	Turb After Filter	Number of Filters Used	
P-36S	11/12	-	924.49	2.01	922.48	-	-	-	-												
P-38S	11/12	-	923.21	7.62	915.59	-	-	-	-												
P-39S	11/12	-	946.08	35.70	910.38	-	-	-	-												
P-40S	11/11	-	922.01	11.59	910.42	-	-	-	-												
P-41S	11/11	-	925.58	13.61	911.97	-	-	-	-												
P-42S	11/12	-	917.62	17.30	905.32	-	-	-	-												
S-1	11/12	-	913.61	+0.02	913.63	-	-	-	-												
S-2	11/12	-	910.86	+2.30	913.16	-	-	-	-												
S-3	11/11	-	909.04	+0.48	909.52	-	-	-	-												
DUP-01	-	-	-	-	-	-	-	-	-	11/12	1030	7.00	868	8.3	clr	-	none	none	-	-	
FB-01	-	-	-	-	-	-	-	-	-	11/12	1500	7.46	2.3	12.4	clr	-	none	none	-	-	

*Casing I.D. (inches) <=> Gallons per Foot to Get 1 Well Volume.
1.5" Well <=> 0.092 gal. 2" Well <=> 0.163 gal. 3" Well <=> 0.377 4" <=> 0.653 gal.

Weather: Wind Speed _____ Direction _____ Temp. _____
Date: _____ Overview: _____

Other Remarks:
P-38S needs Lock
P-39S needs Tag
DUP-01 = P-ZTD

Date Equipment Used: _____
pH Meter: _____ pH7.0 = _____ pH 4.0 = _____ Slope = _____
Spec. Cond. Meter: _____ Standard = _____ Reading = _____
Temp.: _____ Standard = _____ Reading = _____

Site Name: Refuse Hideaway Landfill
Site Address: _____ Middleton, WI
ESC Personnel: SEI / J.L. / R.H.
ESC FF#1 _____

**ENVIRONMENTAL
SAMPLING
CORPORATION**
414-427-5033

Client: W DNR
Project: 11/02 Event
Prepared by: SJE
Checked by: 200
Page: 5 of 16
Date: 11/12/02
Date: 11/02

ENVIRONMENTAL SAMPLING CORP. GROUNDWATER MONITORING FIELD FORM
 MONTH November, 2002

*****Purging Phase*****										*****Sampling Phase*****										
Well I.D.	Date 2002	Time (24 hrs.)	Top of Well Elevation (msl-ft.)	Depth to H ₂ O (ft.)	Ground Water Elevation (msl-ft.)	Total Depth (ft.)	Height of Water Col. (ft.)	Req. Gals. to Purge (4 vols.)	Amount Purged (gal.)	Date 2002	Time (24 hrs.)	pH (STD)	Spec. Cond. at (25°C)	Temp (°C)	Color Before Filter	Color After Filter	Odor	Turb Before Filter	Turb After Filter	Number of Filters Used
PW- Sather	11/12	1145	NA						→ 15 min	11/12	1200	7.45	655	9.3	clr	-	none	none	-	-
PW- Palo ^{Carga} Roush	11/12	1120	NA						→ 15 min	11/12	1140	7.45	596	10.5	clr	-	none	none	-	-
PW- Summers	11/12	1055	NA						→ 15 min	11/12	1110	7.33	638	9.0	clr	-	none	none	-	-
PW- Foster / Thesen	11/12	1010	NA						→ 15 min	11/12	1025	7.40	645	9.4	clr	-	none	none	-	-
PW- Durand	11/12	1030	NA						→ 15 min	11/12	1045	7.40	794	9.6	clr	-	none	none	-	-
PW- Wagner	11/12	1350	NA						→ 15 min	11/12	1405	7.33	859	9.1	clr	-	none	none	-	-
PW- Rounds	11/12	0845	NA						→ 15 min	11/12	0905	7.23	670	8.0	clr	-	none	none	-	-
PW-Notes	11/12	0915	NA						→ 15 min	11/12	0930	7.15	731	9.4	clr	-	none	none	-	-
PW- Stoppleworth	11/12	0945	NA						→ 15 min	11/12	1000	7.35	602	10.5	clr	-	none	none	-	-

*Casing I.D. (inches) <=> Gallons per Foot to Get 1 Well Volume.
 1.5" Well <=> 0.092 gal. 2" Well <=> 0.163 gal. 3" Well <=> 0.377 4" <=> 0.653 gal.

Other Remarks: PW - Palo/Roush is now
PW - Carga/Roush

Weather: Wind Speed calm Direction - Temp. 36°
 Date: 11/12 Overview: clear

Date Equipment Used: 11/12/02
 pH Meter: Colt Palmer pH 100 pH7.0 = 7.00 pH 4.0 = 4.00 Slope = NA
 Spec. Cond. Meter: Colt Palmer CM 10 Standard = 1413 Reading = 1413
 Temp.: Colt Palmer CW 10 Standard = 25°C Reading = 14.8

Site Name: Refuse Hideaway Landfill
 Site Address: Middleton, WI
 ESC Personnel: _____
 ESC FF#1 _____

ENVIRONMENTAL SAMPLING CORPORATION
 414-427-5033

Client: W DNR
 Project: RHL
 Prepared by: END
 Checked by: Z-R
 Page: 16 of 16
 Date: 11/12/02
 Date: 11/10

**DATA SHEET B
REFUSE HIDEAWAY LANDFILL**

BLOWER AND FLARE STATION MONITORING

Date: 11-6-02
 Air Temperature: 43°F
 Barometric Pressure: 29.92
 Monitoring Technician: TCP
 Gas Detector Model No: GEM 500
 Calibrated: Before?: Y

Time Start: 1150 End: 1300
 Weather Conditions: mostly cloudy, winds west 15 mph
 Trend (Rising, Falling, Steady): 29.92 R
 Serial No.: 660
 After?: N

Location	Pressure (in. wc)	CH ₄ ⁽¹⁾ (%)	CO ₂ (%)	O ₂ (%)	Balance Gas ⁽²⁾ (%)	Valve Position (% open)	Gas Velocity (fpm)	Gas Flow ⁽³⁾ (cfm)	Gas Temp (°F)	Comments
Ground Flare										
Sample Port A	<u>+2.5"</u>	<u>25.8</u>	<u>27.1</u>	<u>2.3</u>	<u>45.3</u>		<u>500</u>		<u>75°</u>	
Sample Port B	<u>+2.4"</u>	<u>26.1</u>	<u>27.3</u>	<u>2.2</u>	<u>44.6</u>		<u>640</u>		<u>75°</u>	
Sample Port C	<u>+1.4</u>	<u>26.1</u>	<u>27.8</u>	<u>2.4</u>	<u>43.5</u>		<u>-</u>		<u>64°F</u>	
Manual Valve						<u>100% open</u>				
Flare Temperature		<u>1110°F (Honeywell)</u>	<u>750°F - Chart</u>							
Flame Condition		<u>OK</u>								

Blower										
North Branch	<u>-13.0</u>	<u>20.1</u>	<u>25.1</u>	<u>1.0</u>	<u>53.6</u>	<u>12%</u>	<u>750</u>		<u>50°</u>	
Central Branch	<u>-13.8</u>	<u>31.8</u>	<u>29.0</u>	<u>1.6</u>	<u>37.6</u>	<u>25%</u>	<u>800</u>		<u>50°</u>	
South Branch	<u>-15.5</u>	<u>16.8</u>	<u>19.1</u>	<u>8.7</u>	<u>55.4</u>	<u>42%</u>	<u>1000</u>		<u>53°</u>	<u>↓ to 25%</u>
Inlet Sample Port A	<u>-23.0</u>	<u>27.6</u>	<u>27.9</u>	<u>2.0</u>	<u>42.3</u>					
Inlet Sample Port B	<u>-28.5</u>	<u>27.0</u>	<u>27.6</u>	<u>2.3</u>	<u>43.2</u>					
Outlet Sample Port A	<u>+2.2</u>	<u>26.5</u>	<u>27.2</u>	<u>2.4</u>	<u>43.6</u>					
Motor Amps	<u>6</u>									
Motor Hours	<u>31,414.0</u>									

Pedestal Flare

Manual Valve

25%

FINAL BRANCH VALUUMS
 AFTER REDUCING S-BRANCH
 VALVE TO 25% OPEN:
 NORTH - -14.2
 CENTRAL - -15.2
 SOUTH - -9.7

Notes:

- (1) Percent combustibles by volume, primarily composed of CH₄.
- (2) The GEM 500 calculates balance gas as 100% - (%CH₄ + %CO₂ + %O₂), and is assumed to be primarily N₂.
- (3) Gas Flow (cfm) is calculated by multiplying Gas Velocity (fpm) by:
 0.045 (for 3" PVC [@ wells])
 0.078 (for 4" PVC [@ blower inlet])
 0.185 (for 6" HDPE [@ flare inlet])

Changed Rustic chart
 Honeywell reads 1110°F / chart reads 750°F

WDNR - REFUSE HIDEAWAY LANDFILL
WATER LEVELS

MONTH November 11-12, 2002

Page 1 of 2

Well I.D.	Total Depth (ft)	TOC Elevation (msl)	Depth to Water (ft)	Groundwater Elevation (ft/msl)	Equipment in well
P-1D		926.67	4.72	921.95	
P-1S		924.39	11.70	912.69	
P-3S		932.79	10.73	922.06	
P-4S		929.89	7.99	921.90	
P-8BR		929.52	7.54	921.98	
P-8D		930.98	8.97	922.01	
P-8S		932.50	10.13	922.37	
P-9D		930.43	8.52	921.91	
P-9S		932.09	10.05	922.04	
P-16D	42.90	936.30	15.95	920.35	ESC Pump
P-16S	17.20	935.96	14.50	921.46	ESC Pump
P-17S	158.80	1081.75	144.84	936.91	Bladder
P-18S		1020.57	97.69	922.88	
P-20SR	64.40	961.78	39.22	922.56	Dedicated Bailer
P-21BR	148.30	935.19	14.53	920.66	Bladder**
P-21D	41.60	935.81	14.38	921.43	ESC Pump
P-21S	19.60	936.43	13.64	922.79	Dedicated Bailer
P-22D	217.30	1088.94	174.24	914.70	Bladder/packer
P-22S	185.20	1088.20	173.22	914.98	Bladder
P-23D		961.53	39.31	922.22	
P-23S		961.71	39.58	922.13	
P-24D	25.20	927.25	5.60	921.65	ESC Pump
P-24E	52.50	927.39	6.09	921.30	ESC Pump
P-25BR	140.30	943.27	25.96	917.31	Bladder**
P-25D	96.30	943.86	26.93	916.93	ESC Pump
P-25S	29.40	943.14	22.70	920.44	ESC Pump
P-26D	262.10	1149.63	223.18	926.45	Bladder**
P-26S	237.60	1150.95	219.90	931.05	Bladder**
P-27D	204.30	1095.56	175.58	919.98	Bladder/packer
P-27S	188.80	1095.23	174.80	920.43	Bladder
P-28S		1124.33	199.48	924.85	

Checked by: 

Date: 11/2002

WDNR - REFUSE HIDEAWAY LANDFILL
WATER LEVELS

MONTH November 11-12, 2002

Page 2 of 2

Well I.D.	Total Depth (ft)	TOC Elevation (msl)	Depth to Water (ft)	Groundwater Elevation (ft/msl)	Equipment in well
P-29S	253.10	1163.10	236.16	926.94	Bladder
P-30D	287.36	932.97	22.30	910.67	Bladder/packer
P-30I	140.70	930.94	20.35	910.59	Bladder/packer
P-30S		932.61	21.71	910.90	
P-31D	255.90	915.72	*	N/A	Bladder/packer
P-31IA	93.20	916.77	*	N/A	Bladder/packer
P-31IB	132.70	916.49	*	N/A	Bladder/packer
P-31S	25.40	916.59	5.50	911.09	Bladder
P-32D	176.20	942.66	23.02	919.64	Bladder**
P-32S	39.50	943.73	22.19	921.54	ESC Pump
P-33D		928.50	5.86	922.64	
P-33S		928.55	6.71	921.84	
P-34D	273.40	1090.98	163.88	927.10	Bladder/packer
P-34S	183.70	1091.10	160.50	930.60	Bladder
P-35D	250.80	1087.70	165.82	921.88	Bladder/packer
P-35S	183.60	1087.90	164.25	923.65	Bladder
P-36D		924.34	2.15	922.19	
P-36S		924.49	2.01	922.48	
P-38S		923.21	7.62	915.59	
P-39S		946.08	35.70	910.38	
P-40D	253.50	922.98	11.99	910.99	Bladder/packer
P-40I	102.80	922.28	10.80	911.48	Bladder/packer
P-40S		922.01	11.59	910.42	
P-41D	103.00	924.82	17.62	907.20	Bladder/packer
P-41S		925.58	13.61	911.97	
P-42S		917.62	12.30	905.32	
S-1		913.61	0.02	913.63	
S-2		910.86	2.30	913.16	
S-3		909.04	0.48	909.52	

* - Probe could not be inserted due to pump.

** - Bladder pumps installed in July 2002.

Well that are shaded were sampled during the Nov. event.

Checked by: SF
Date: 11/2002

DATE: April 9, 2003

FILE REF: 113112010

TO: Deb Johnson – LC/5

FROM: Hank Kuehling – SCR RR

SUBJECT: Obtaining Title to the Non-landfill Portion of the Refuse Hideaway, Inc. Property

Currently, the property previously owned by Refuse Hideaway, Inc. (the SW ¼ of the NW ¼, Sec. 8, T7N, R8E, “the forty”) is apparently not owned by any party. The two most recent deeds found in the Dane County Register of Deeds office for this property record the transfer of ownership from John and Tom Debeck to Refuse Hideaway, Inc. (RH, Inc.). A warranty deed dated March 1, 1982 conveyed the portion of the forty “actively used for landfilling purposes” with a description that roughly follows the waste footprint of the Refuse Hideaway Landfill (RHL). A quit claim deed, dated March 1, 1988, conveyed the remainder of the forty. So, by March 1, 1988, ownership of all of the RHL property had been transferred to RH, Inc.

The record for RH, Inc. at the Wisconsin Department of Financial Institutions indicates that this corporation was involuntarily dissolved on August 31, 1990. So, the owner of the RHL property (the forty) has not existed for almost 13 years.

On a different but related topic, you and I have recently discovered that the Department’s Waste Management Fund has been receiving, through the Wisconsin Department of Justice (DOJ), a monthly check for \$400 from Speedway Sand & Gravel for rent of the non-landfill portion of the former RH, Inc. property. This money has been deposited in an account for RHL, which currently contains approximately \$73,000. This rent payment apparently began when RH, Inc. was still an active and viable corporation and rented buildings and land to Speedway S&G, now apparently owned by Tom DeBeck. (I don’t know whether he was an owner of RH, Inc. along with his father or John DeBeck was the sole owner of RH, Inc.)

As part of a March 17, 1989 contempt order for John DeBeck and RH, Inc., all corporate assets of RH, Inc. were to be liquidated and the proceeds sent to the DNR’s Waste Management Fund (WMF) and deposited in an account for RHL. Related to this order, DOJ attorney Robert Selk requested, in an April 4, 1989 letter to Michael Dunn, John DeBeck’s attorney, that the money from the rent of the RH, Inc. property be handled as the other corporate assets. Apparently this rent payment has continued, long after the corporation was dissolved. In the years following this order, the money in the RH, Inc. account in the WMF was used to pay for a portion of the costs incurred by the State for the installation and operation of the gas and leachate systems and landfill cover of RHL. Information about this account was lost as responsibility for the Department management of this landfill was transferred from the Bureau for Remediation & Redevelopment to the SCR Remediation & Redevelopment Program in 1997. As a result, money accumulated in the account in recent years that can be used to pay a portion of the expenses incurred by the State annually to operate and maintain the landfill systems.

As you and I have discussed, it may be in the State’s interest to consider alternatives to the status quo for this site and situation. On the one hand, \$400 per month rent on property that the State doesn’t own and which can be spent on State expenses is better than no income at all. On the other hand, \$400 monthly

rent is probably significantly below market value, given the amount of equipment that is stored on the site, the year-round activity that occurs there, and the several large buildings that are in use on the property. Several alternatives could be considered. We could get an opinion on the fair market value for rent for this non-landfill property and buildings and request Speedway S&G to pay this increased amount. Is there any way the State can require an increase in rent? Both seem improbable; does Speedway S&G have to pay rent since RH, Inc. and its responsibilities no longer exist?

A second approach would be for the State to obtain title to the non-landfill portion of the property. What is the best way to accomplish this acquisition? If the State owned this property, it could continue to rent the buildings and grounds or it could sell the property. State ownership and renting would have disadvantages such as liability for personal injury, etc. and for maintenance of the buildings, which aren't in great shape. You can probably identify other disadvantages.

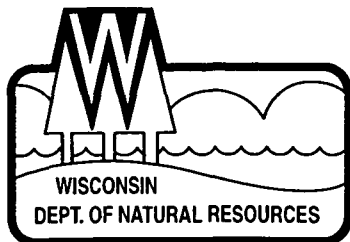
An alternative to State ownership and renting is acquisition and sale of the non-landfill property. A very advantageous situation may be for the State to acquire the property and immediately sell it to a pre-arranged buyer, which could be Speedway Sand & Gravel or another party.

Assuming that the State doesn't own and rent but acquires to sell, what types of liability would the State be exposed to by owning the property, if only for a short time? With the significant amount of heavy construction equipment stored and maintained on the property for well over a decade, soil contaminated with petroleum-related volatile organic compounds is a real possibility. And we know that the groundwater under this property is impacted with non-petroleum volatile organic compounds from the landfill. An offsite contaminant source exemption may have to be issued to a future owner of this property since the contamination source is on the landfill parcel of the property.

Easements are an issue to be considered. Apparently Speedway Sand & Gravel has an easement from Madison Gas & Electric for the southern portion of the access road to the forty, for which it may be paying annually. I believe the northern portion of the access road crosses the former Elmer Jungbluth property, now owned by L&G Investments, Inc. For the State to own the property, it would have to negotiate easements with these two owners, or at least make the buyer aware that easements are necessary. And the State would have to get easements from these two owners and the buyer to have access to the landfill portion of the property for operation, maintenance, and monitoring purposes.

If we were to pursue the acquisition of the non-landfill portion of the property, we would have to spend several thousand dollars on an appraisal of the property and a survey of the landfill to remove that parcel from the RH, Inc. property to be conveyed. Please tell me of additional costs and disadvantages to property acquisition that you can identify.

There is no doubt that to pursue a change in the status quo would have its costs, disadvantages, and hurdles to overcome. However, it may be worthwhile, until we find a good reason not to, because the non-landfill RH, Inc. property appears to be an asset, which may represent an offset to the costs that the State incurs each year to operate, maintain, and monitor RHL. Please give me a call to further discuss this. Thanks very much.



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Scott Hassett, Secretary
Ruthe E. Badger, Regional Director

South Central Region Headquarters
3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711-5397
Telephone 608-275-3266
FAX 608-275-3338
TTY 608-275-3231

July 30, 2003

FID # 113112010

Steve and Shirley Noles
7734 U.S.H. 14
Middleton, WI 53562

Subject: Results of Drinking Water Quality Testing, May, 2003

Dear Mr. and Ms. Noles:

Drinking water samples were collected from your home in May 2003 by Environmental Sampling Corporation and submitted to CT Laboratories for analysis. This testing was performed at the request of the Department of Natural Resources (DNR) as part of the long-term groundwater monitoring associated with the Refuse Hideaway Landfill. The samples were collected from the part of your water supply system that is not treated by your point-of-entry treatment system.

Your well water was tested for the presence of volatile organic compounds (VOCs). As you can see from the enclosed laboratory results sheet, VOCs were detected in your untreated well water.

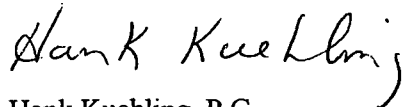
<u>VOC Name</u>	<u>Result (ug/L)</u>	<u>Health Advisory Standard (ug/L)</u>
1,1-Dichloroethane	0.62	850
cis-1,2-Dichloroethene	3.8	70
Dichlorodifluoromethane	1.3	1000
Tetrachloroethene	5.0	5
Trichloroethene	1.8	5

Tetrachloroethene is the only contaminant that is at or above a health advisory standard. Because this sample was taken from the untreated portion of your water supply, these results are not as pertinent to human health concerns as the results from samples that have been collected by Hellenbrand Water Center from the treated portion of your water supply. My records from Hellenbrand indicate that analysis of their treated water sample did not detect tetrachloroethene above the detection limit of 2 micrograms/liter (ug/L) of sample water. I recommend that you continue to treat your water supply for household use as you have in the past.

The concentration of tetrachloroethene in the May sample is below that of the previous November untreated water sample and currently is at the health advisory standard. My preference is to continue to routinely collect two untreated samples from your water supply in May and November of each year to determine if contaminant concentrations are changing or remaining stable over time. This semi-annual testing will continue to take place as part of the State of Wisconsin's routine groundwater monitoring program for Refuse Hideaway Landfill.

If you have any questions or comments about the arrangements noted above, the enclosed drinking water quality results, or our work at the landfill, please contact me at the address listed above or you can also contact me as indicated below.

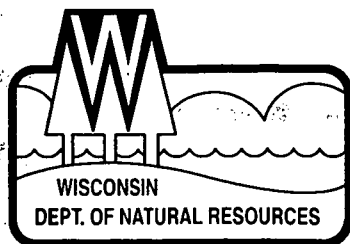
Sincerely,



Hank Kuehling, P.G.
Remediation and Redevelopment Hydrogeologist
(608) 275-3286
harlan.kuehling@dnr.state.wi.us

enclosure

cc: Dr. Henry Anderson - DHFS
Frank Perugini - ESC
DG/SCR



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Scott Hassett, Secretary
Ruthe E. Badger, Regional Director

South Central Region Headquarters
3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711-5397
Telephone 608-275-3266
FAX 608-275-3338
TTY 608-275-3231

July 30, 2003

FID # 113112010

Al and Jean Stoppleworth
7750 U.S.H. 14
Middleton, WI 53562

Subject: Results of Drinking Water Quality Testing, May 2003

Dear Mr. and Ms. Stoppleworth:

Drinking water samples were collected from your house in May 2003 by Environmental Sampling Corporation and submitted to CT Laboratories for analysis. This testing was performed at the request of the Department of Natural Resources (DNR) as part of the long-term groundwater monitoring associated with the Refuse Hideaway Landfill. The samples were collected from the part of your water supply system that is not treated by your point-of-entry treatment system.

Your well water was tested for the presence of volatile organic compounds (VOCs). As you can see from the enclosed laboratory results sheet, VOCs were detected in your untreated well water.

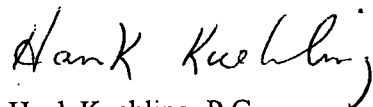
VOC Name	Result (ug/L)	Health Advisory Standard (ug/L)
1,1-Dichloroethane	0.40	850
cis-1,2-Dichloroethene	1.9	70
Dichlorodifluoromethane	0.84	1000
Tetrachloroethene	3.5	5
Trichloroethene	0.88	5

The detected VOCs were all found to be at levels below the associated health advisory standards. Because this sample was taken from the untreated portion of your water supply, these results are not as pertinent to human health concerns as the results from samples that have been collected by Hellenbrand Water Center from the treated portion of your water supply. My records from Hellenbrand indicate that analysis of their treated water sample did not detect tetrachloroethene above the detection limit of 2 micrograms/liter (ug/L) of sample water.

I recommend that you continue to treat your water supply for household use as you have in the past. The semi-annual testing of the untreated portion of your water supply will continue to take place in May and November as part of the State of Wisconsin's routine groundwater monitoring program for Refuse Hideaway Landfill.

If you have any questions or comments about the arrangements noted above, the enclosed drinking water quality results, or our work at the landfill, please contact me at the address listed above or you can also contact me as indicated below.

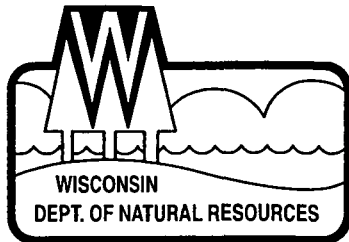
Sincerely,



Hank Kuehling, P.G.
Remediation and Redevelopment Hydrogeologist
(608) 275-3286
kuehlh@dnr.state.wi.us

enclosure

cc: Dr. Henry Anderson - DHFS
Frank Perugini - ESC
DG/SCR



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Scott Hassett, Secretary
Ruthe E. Badger, Regional Director

South Central Region Headquarters
3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711-5397
Telephone 608-275-3266
FAX 608-275-3338
TTY 608-275-3231

July 30, 2003

Raymond & Mary Bula
RFD 1, 7872 Deer Run East
Cross Plains, WI 53528

File Ref: 113112010
Dane County

SUBJECT: Results of Drinking Water Quality Testing, May 2003

Dear Mr. and Ms. Bula:

Drinking water samples were collected from your home in May 2003 by Environmental Sampling Corporation and submitted to the laboratory of Commonwealth Technology, Inc. for analysis. This testing was performed at the request of the Department of Natural Resources (DNR) as part of the groundwater monitoring associated with the Refuse Hideaway Landfill.

Your well water was tested for the presence of volatile organic compounds (VOCs). As you can see from the enclosed laboratory results sheet, no VOCs were detected in your well water. Therefore, it does not appear that the Refuse Hideaway Landfill or any other contaminant source has impacted the water quality of your well with VOC contamination at this time.

The Department will continue to monitor your well at the same frequency that it has in the past. If you have any questions about our work at the landfill or the enclosed drinking water quality results, please contact me at the address listed above or you can also contact me as indicated below.

Sincerely,

Hank Kuehling, P.G.
Remediation and Redevelopment Hydrogeologist
(608) 275-3286
kuehlh@dnr.state.wi.us

enclosure

cc: Dr. Henry Anderson - DHFS
Frank Perugini - ESC
DG/SCR



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

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July 30, 2003

File Ref: 113112010
Dane County

Jeanette Wheat & Daryl Krueger
4306 Fawn Court
Cross Plains, WI 53528

SUBJECT: Results of Drinking Water Quality Testing, May 2003

Dear Ms Wheat and Mr. Krueger:

Drinking water samples were collected from your home in May 2003 by Environmental Sampling Corporation and submitted to the laboratory of Commonwealth Technology, Inc. for analysis. This testing was performed at the request of the Department of Natural Resources (DNR) as part of the groundwater monitoring associated with the Refuse Hideaway Landfill.

Your well water was tested for the presence of volatile organic compounds (VOCs). As you can see from the enclosed laboratory results sheet, no VOCs were detected in your well water. Therefore, it does not appear that the Refuse Hideaway Landfill or any other contaminant source has impacted the water quality of your well with VOC contamination at this time.

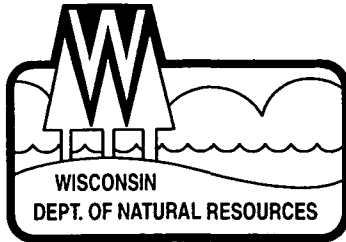
The Department will continue to monitor your well at the same frequency that it has in the past. If you have any questions about our work at the landfill or the enclosed drinking water quality results, please contact me as indicated below.

Sincerely,

Hank Kuehling, P.G.
Remediation and Redevelopment Hydrogeologist
(608) 275-3286
kuehlh@dnr.state.wi.us

enclosure

cc: Dr. Henry Anderson - DHFS
Frank Perugini - ESC
DG/SCR



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Scott Hassett, Secretary
Ruthe E. Badger, Regional Director

South Central Region Headquarters
3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711-5397
Telephone 608-275-3266
FAX 608-275-3338
TTY 608-275-3231

July 30, 2003

File Ref: 113112010
Dane County

Mr. Jerry Trantow & Ms. Grace Thompson
4318 Fawn Court
Cross Plains, WI 53528

SUBJECT: Results of Drinking Water Quality Testing, May 2003

Dear Mr. Trantow and Ms. Thompson:

Drinking water samples were collected from your home in May 2003 by Environmental Sampling Corporation and submitted to the laboratory of Commonwealth Technology, Inc. for analysis. This testing was performed at the request of the Department of Natural Resources (DNR) as part of the groundwater monitoring associated with the Refuse Hideaway Landfill.

Your well water was tested for the presence of volatile organic compounds (VOCs). As you can see from the enclosed laboratory results sheet, no VOCs were detected in your well water. Therefore, it does not appear that the Refuse Hideaway Landfill or any other contaminant source has impacted the water quality of your well with VOC contamination at this time.

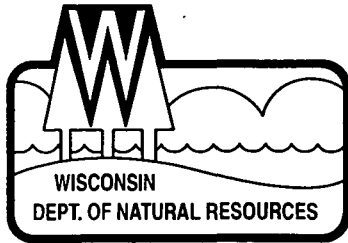
The Department will continue to monitor your well at the same frequency that it has in the past. If you have any questions about our work at the landfill or the enclosed drinking water quality results, please contact me as indicated below.

Sincerely,

Hank Kuehling, P.G.
Remediation and Redevelopment Hydrogeologist
(608) 275-3286
kuehlnh@dnr.state.wi.us

enclosure

cc: Dr. Henry Anderson - DHFS
Frank Perugini - ESC
DG/SCR



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Scott Hassett, Secretary
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3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711-5397
Telephone 608-275-3266
FAX 608-275-3338
TTY 608-275-3231

July 30, 2003

File Ref: 113112010
Dane County

Richard Summers
4610 Rocky Dell Road, Route 1
Middleton, WI 53562

SUBJECT: Results of Drinking Water Quality Testing, May 2003

Dear Mr. Summers:

Drinking water samples were collected from your home in May 2003 by Environmental Sampling Corporation and submitted to the laboratory of Commonwealth Technology, Inc. for analysis. This testing was performed at the request of the Department of Natural Resources (DNR) as part of the groundwater monitoring associated with the Refuse Hideaway Landfill.

Your well water was tested for the presence of volatile organic compounds (VOCs). As you can see from the enclosed laboratory results sheet, no VOCs were detected in your well water. Therefore, it does not appear that the Refuse Hideaway Landfill or any other contaminant source has impacted the water quality of your well with VOC contamination at this time.

The Department will continue to monitor your well at the same frequency that it has in the past. If you have any questions about our work at the landfill or the enclosed drinking water quality results, please contact me as indicated below.

Sincerely,

Hank Kuehling, P.G.
Remediation and Redevelopment Hydrogeologist
(608) 275-3286
kuehlh@dnr.state.wi.us

enclosure

cc: Dr. Henry Anderson - DHFS
Frank Perugini - ESC
DG/SCR



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Scott Hassett, Secretary
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South Central Region Headquarters
3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711-5397
Telephone 608-275-3266
FAX 608-275-3338
TTY 608-275-3231

July 30, 2003

File Ref: 113112010
Dane County

William & Evelyn Plummer
7877 Deer Run Road
Cross Plains, WI 53528

SUBJECT: Results of Drinking Water Quality Testing, May 2003

Dear Mr. and Ms. Plummer:

Drinking water samples were collected from your home in May 2003 by Environmental Sampling Corporation and submitted to the laboratory of Commonwealth Technology, Inc. for analysis. This testing was performed at the request of the Department of Natural Resources (DNR) as part of the groundwater monitoring associated with the Refuse Hideaway Landfill.

Your well water was tested for the presence of volatile organic compounds (VOCs). As you can see from the enclosed laboratory results sheet, no VOCs were detected in your well water. Therefore, it does not appear that the Refuse Hideaway Landfill or any other contaminant source has impacted the water quality of your well with VOC contamination at this time.

The Department will continue to monitor your well at the same frequency that it has in the past. If you have any questions about our work at the landfill or the enclosed drinking water quality results, please contact me as indicated below.

Sincerely,

Hank Kuehling, P.G.
Remediation and Redevelopment Hydrogeologist
(608) 275-3286
kuehlh@dnr.state.wi.us

enclosure

cc: Dr. Henry Anderson - DHFS
Frank Perugini - ESC
DG/SCR



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Scott Hassett, Secretary
Ruthe E. Badger, Regional Director

South Central Region Headquarters
3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711-5397
Telephone 608-275-3266
FAX 608-275-3338
TTY 608-275-3231

July 30, 2003

Arvid & Margaret Sather
7911 Deer Run Road
Cross Plains, WI 53528

File Ref: 113112010
Dane County

SUBJECT: Results of Drinking Water Quality Testing, May 2003

Dear Mr. and Ms. Sather:

Drinking water samples were collected from your home in July 2003 by Environmental Sampling Corporation and submitted to CT Laboratories for analysis. This testing was performed at the request of the Department of Natural Resources (DNR) as part of the long-term groundwater monitoring associated with the Refuse Hideaway Landfill.

Your well water was tested for the presence of volatile organic compounds (VOCs). As you can see from the enclosed laboratory results sheet, no VOCs were detected in your well water. Therefore, it does not appear that the Refuse Hideaway Landfill or any other contaminant source has impacted the water quality of your well with VOC contamination at this time.

The Department will continue to monitor your well at the same frequency that it has in the past. If you have any questions about our work at the landfill or the enclosed drinking water quality results, please contact me at the address listed above or you can also contact me as indicated below.

Sincerely,

Hank Kuehling, P.G.
Remediation and Redevelopment Hydrogeologist
(608) 275-3286
harlan.kuehling@dnr.state.wi.us

enclosure

cc: Dr. Henry Anderson - DHFS
Frank Perugini - ESC
DG/SCR

Kalnicky, Richard A

From: Kuehling, Harlan H
Sent: Wednesday, October 22, 2003 1:03 PM
To: 'tom@edsservices.com'
Cc: Kalnicky, Richard A
Subject: Refuse Hideaway Landfill - New Monitoring Wells - Costs & Payments

Hi, Tom,
I received the additional slurry/bentonite costs justification FAX from you on 10/7. When compared to other cost information, these extra costs seem reasonable to me. They'll have to be handled under a change order that we'll start in the approval process when we know what the final amount will be.

The kink in the deep well, P-43D, has me concerned. You and I talked about your crew not being able to get a long bailer deeper than about 230 feet in that well, but that a pump, with more weight, might go down past the kink. We'll try that in a few weeks when a pump is installed for sampling. On a related note, Luke C. is going to try to verify the depth to water in this well, since the crews got two very different depths on different days. This is important because if there is 40 feet of water column above the kink, perhaps that is enough water for purging and sampling if we can't get a pump past the kink.

If none of these approaches work satisfactorily, we'll have to talk about what can be done to get a functional well at the P-43D location and depth. Because the status of P-43D will be uncertain into November, I propose the following for payments. We pay the part of the invoice for the work associated with the three other wells, but we hold back on payment for the following items associated with P-43D: 10' soil drilling (\$120); 280' rock drilling (\$4480); 275' casing (\$2750); 5' screen (\$55); for a total of \$7405 unpaid at this time. The first payment would be: \$29,870 - \$7405 = \$22,465.

If we find, in early November, that we'll be able to use P-43D as is, we'll pay you the outstanding amount of the invoice soon after. If some additional work on the well is needed, we'll have to evaluate the contract language as well as the situation to decide who is responsible for those costs. If DNR is responsible for some additional costs, we want to handle them with the extra costs change order noted in the first paragraph (in other words, we don't want to process more than one change order for all additional costs).

At this point, I'm optimistic that this will work out to the satisfaction of all. Let me know whether or not you agree with the approach I propose above. Thanks.

Hank

 **Hank Kuehling, P.G.**

Remediation & Redevelopment Hydrogeologist
South Central Region (@ Williamson & Blount Streets)
Wisconsin Department of Natural Resources

(☎) phone: (608) 275-3286

(☎) fax: (608) 273-5610

(✉) e-mail: harlan.kuehling@dnr.state.wi.us



LIESCH ENVIRONMENTAL SERVICES, INC. 6000 GISHOLT DRIVE, SUITE 203 MADISON, WI 53713 608/223-1532 FAX: 608/223-1534

October 30, 2003

Madison Metropolitan Sewerage District
1610 Moorland Road
Madison, Wisconsin 53713-3398

RE: Wastewater Discharge Laboratory Results
Wisconsin Department of Natural Resources
Refuse Hideaway Landfill
Permit #: NTO-5I

To Whom It May Concern:

Per wastewater discharge permit requirements for the above referenced site, Liesch Environmental Services, Inc. (Liesch) is submitting the enclosed analytical summary table and laboratory reports. Liesch contacted the laboratory regarding the level of detection for hexavalent chromium, which exceeds permitted levels. The laboratory will make every effort to achieve the 0.5 mg/L permit level in future sampling events. All other analyzed parameters were below permitted levels.

Please call me at (608) 223-1532 if you need additional information or have any questions.

Sincerely,
LIESCH ENVIRONMENTAL SERVICES, INC.

A handwritten signature in cursive script, appearing to read "Brandon C. Nikolish".

Brandon C. Nikolish
Staff Engineer

BCN/bm
Enclosure

cc: Mr. Hank Kuehling, RRWB, Wisconsin Dept. of Natural Resources,
P.O. Box 7921, Madison, WI 53707-7921

**Table 1
Leachate Tank Laboratory Analytical Results
Refuse Hideaway Landfill
Middleton, Wisconsin**

DATE	PARAMETER										
	Cadmium (ug/L)	Total Chromium (ug/L)	Copper (ug/L)	Lead (ug/L)	Mercury (ug/L)	Nickel (ug/L)	Selenium (ug/L)	Silver (ug/L)	Zinc (ug/L)	Cyanide (mg/L)	Hexavalent Chromium (mg/L)
Permitted Levels	250	10000	1500	5000	20	2000	300	3000	8000	0.1	0.5
9/30/2003	<0.88	54	8	<2.2	<0.030	150	<8.0	<1.8	54		
10/9/2003										0.0058	<260

Notes Results in **bold** indicate levels above permit limitations.
mg/l = parts per million
ug/l = parts per billion
J = Analyte detected between limit of detection and limit of quantitation.



Corporate Office & Laboratory
1241 Bellevue Street, Suite 9, Green Bay, WI 54302
920-469-2436, 800-7-ENCHEM, Fax: 920-469-8827
www.enchem.com

Analytical Report Number: 839381

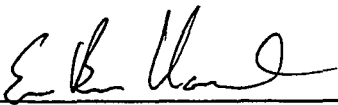
Client : LIESCH ENVIRONMENTAL

Project Name : REFUSE LANDFILL

Project Number : 59056.00

Lab Sample Number	Field ID	Collection Matrix	Date
839381-001	LT	WATER	09/30/03

I certify that the data contained in this Final Report has been generated and reviewed in accordance with approved methods and Laboratory Standard Operating Procedure. Exceptions, if any, are discussed in the accompanying sample comments. Release of this final report is authorized by Laboratory management, as is verified by the following signature. Reported results shall not be reproduced, except in full, without the written approval of the lab. The sample results relate only to the analytes of interest tested.


Approval Signature

10/9/03
Date

Analytical Report Number: 839381

Client : LIESCH ENVIRONMENTAL

Matrix Type : WATER

Project Name : REFUSE LANDFILL

Collection Date : 09/30/03

Project Number : 59056.00

Report Date : 10/08/03

Field ID : LT

Lab Sample Number : 839381-001

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Analysis Date	Prep Method	Analysis Method
Cadmium	< 0.88	0.88	2.9		1	ug/L		10/06/03	SW846 3010A	SW846 6010B
Chromium	54	1.6	5.2		1	ug/L		10/06/03	SW846 3010A	SW846 6010B
Copper	8.0	1.5	5.0		1	ug/L	A	10/06/03	SW846 3010A	SW846 6010B
Lead	< 2.2	2.2	7.2		1	ug/L		10/06/03	SW846 3010A	SW846 6010B
Mercury	< 0.030	0.030	0.10		1	ug/L		10/08/03	SW846 7470A	SW846 7470A
Nickel	150	2.0	6.7		1	ug/L		10/06/03	SW846 3010A	SW846 6010B
Selenium	< 8.0	8.0	27		1	ug/L		10/06/03	SW846 3010A	SW846 6010B
Silver	< 1.8	1.8	6.1		1	ug/L		10/06/03	SW846 3010A	SW846 6010B
Zinc	54	4.2	14		1	ug/L		10/06/03	SW846 3010A	SW846 6010B

Attn: Brandon Nikoliza
 Liesch Environmental Services, Inc.
 6000 Gisholt Drive, Ste. 203
 Madison, WI 53713



1241 Bellevue St., Suite 9
 Green Bay, WI 54302
 920-469-2436
 FAX 920-469-8827

180

Telephone: _____
 Project Number: 59056.00
 Project Name: Beck's Landfill
 Project State: WI
 Sampled By (Print): Eric Ellsted
 PO #: _____

CHAIN OF CUSTODY

105763

Preservation Codes
 A=None B=HCL C=H2SO4 D=HNO3 E=EnCore F=Methanol G=NaOH
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other
 FILTERED? (YES/NO) N N N N N N N N
 PRESERVATION (CODE)* D D D D D D D D

Page _____ of _____
 Quote # : _____
 Mail Report To: _____
 Company: _____
 Address: _____
Same as
 Invoice To: _____
Other site
 Company: _____
 Address: _____
 Mail Invoice To: _____

Data Package Options - (please circle if requested)
 Sample Results Only (no QC)
 EPA Level II (Subject to Surcharge)
 EPA Level III (Subject to Surcharge)
 EPA Level IV (Subject to Surcharge)

Regulatory Program
 UST
 RCRA
 SDWA
 NPDES
 CERCLA

Matrix Codes
 W=Water
 S=Soil
 A=Air
 C=Charcoal
 B=Biota
 Sl=Sludge

ANALYSES REQUESTED	Cadmium	Hexachlorobenzene	TOTAL Chlorine	Copper	Chromium	Lead	TOTAL # OF BOTTLES SENT
	X	X	X	X	X	X	

LABORATORY ID (Lab Use Only)	FIELD ID	COLLECTION		MATRIX	ANALYSES REQUESTED							TOTAL # OF BOTTLES SENT	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)
		DATE	TIME		Cadmium	Hexachlorobenzene	TOTAL Chlorine	Copper	Chromium	Lead				
001	LT	9/30	1430	W	X	X	X	X	X	X	X	2		2.250.60

Rush Turnaround Time Requested (TAT) - Prelim
 (Rush TAT subject to approval/surcharge)
 Date Needed: _____
 Transmit Prelim Rush Results by (circle):
 Phone Fax E-Mail
 Phone #: _____
 Fax #: _____
 E-Mail Address: _____

Relinquished By: <u>Eric Ellsted</u> Date/Time: <u>9/30/07</u>	Received By: <u>[Signature]</u> Date/Time: <u>9/30/07 1600</u>	En-Chem Project No: <u>839881</u>
Relinquished By: <u>[Signature]</u> Date/Time: <u>9/30/07</u>	Received By: <u>[Signature]</u> Date/Time: _____	Sample Receipt Temp: <u>RCI</u>
Relinquished By: <u>Fred Ex</u> Date/Time: _____	Received By: <u>[Signature]</u> Date/Time: <u>10/1/07 0945</u>	Sample Receipt pH (Wet/Metals): <u>OK</u>
Relinquished By: _____ Date/Time: _____	Received By: _____ Date/Time: _____	Cooler Custody Seal Present / Not Present: <u>Present</u>
Relinquished By: _____ Date/Time: _____	Received By: _____ Date/Time: _____	Intact / Not Intact: _____

Samples on HOLD are subject to special pricing and release of liability

Attn: Brandon A. Kolon
 Liesch Environmental Services, Inc.
 6000 Gisholt Drive, Ste. 203
 Madison, WI 53713



1241 Bellevue St., Suite 9
 Green Bay, WI 54302
 920-469-2436
 FAX 920-469-8827

CHAIN OF CUSTODY

105764

Page 1 of 1

Telephone: _____
 Project Number: 59056-00
 Project Name: Refuse Landfill
 Project State: WI
 Sampled By (Print): Eric Ellestad
 PO #: _____

*Preservation Codes
 A=None B=HCL C=H2SO4 D=HNO3 E=EnCore F=Methanol G=NaOH
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other
 FILTERED? (YES/NO) N N N N N
 PRESERVATION (CODE)* D D D D D

Quote #: _____
 Mail Report To: _____
 Company: _____
 Address: _____
 Invoice To: Same
 Company: _____
 Address: _____
 Mail Invoice To: _____

Data Package Options - (please circle if requested)
 Sample Results Only (no QC)
 EPA Level II (Subject to Surcharge)
 EPA Level III (Subject to Surcharge)
 EPA Level IV (Subject to Surcharge)

Regulatory Program: UST RCRA SDWA NPDES CERCLA

Matrix Codes:
 W=Water S=Soil A=Air C=Charcoal B=Biota Sl=Sludge

ANALYSES REQUESTED	Zinc	<u>N</u>	<u>D</u>
	Silver	<u>N</u>	<u>D</u>
	Selenium	<u>N</u>	<u>D</u>
	Nickel	<u>N</u>	<u>D</u>
	Mercury	<u>N</u>	<u>D</u>
	TOTAL # OF BOTTLES SENT	<u>2</u>	

LABORATORY ID (Lab Use Only)	FIELD ID	COLLECTION			ANALYSES REQUESTED						CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)
		DATE	TIME	MATRIX	Zinc	Silver	Selenium	Nickel	Mercury	TOTAL # OF BOTTLES SENT		
<u>001</u>	<u>Leachate Tank (LT)</u>	<u>9/30/03</u>	<u>4:30</u>	<u>W</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>2</u>		

Rush Turnaround Time Requested (TAT) - Prelim (Rush TAT subject to approval/surcharge) Date Needed: _____ Transmit Prelim Rush Results by (circle): Phone Fax E-Mail Phone #: _____ Fax #: _____ E-Mail Address: _____	Relinquished By: <u>Eric Ellestad</u> Date/Time: <u>9/30/03</u>	Received By: <u>[Signature]</u> Date/Time: <u>9/30/03 1600</u>	En'Chem Project No.: <u>839381</u>	
	Relinquished By: <u>[Signature]</u> Date/Time: <u>9/30/03</u>	Received By: <u>[Signature]</u> Date/Time: <u>9/30/03</u>	Sample Receipt Temp: _____	Sample Receipt pH (Wet/Metals): _____
	Relinquished By: <u>[Signature]</u> Date/Time: _____	Received By: <u>[Signature]</u> Date/Time: <u>10/16/03 0945</u>	Cooler Custody Seal Present / Not Present: _____	Intact / Not Intact: _____
	Relinquished By: _____ Date/Time: _____	Received By: _____ Date/Time: _____		



Corporate Office & Laboratory
1241 Bellevue Street, Suite 9, Green Bay, WI 54302
920-469-2436, 800-7-ENCHEM, Fax: 920-469-8827
www.enchem.com

Analytical Report Number: 839747

Client : LIESCH ENVIRONMENTAL

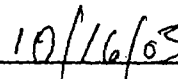
Project Name : REFUSE LANDFILL

Project Number : 59056.00

Lab Sample Number	Field ID	Matrix	Collection Date
839747-001	LEACHATE TANK	WATER	10/09/03

I certify that the data contained in this Final Report has been generated and reviewed in accordance with approved methods and Laboratory Standard Operating Procedure. Exceptions, if any, are discussed in the accompanying sample comments. Release of this final report is authorized by Laboratory management, as is verified by the following signature. Reported results shall not be reproduced, except in full, without the written approval of the lab. The sample results relate only to the analytes of interest tested.


Approval Signature


Date

Client : LIESCH ENVIRONMENTAL

Matrix Type : WATER

Project Name : REFUSE LANDFILL

Collection Date : 10/09/03

Project Number : 59056.00

Report Date : 10/17/03

Field ID : LEACHATE TANK

Lab Sample Number : 839747-001

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Analysis Date	Prep Method	Analysis Method
Chromium, Hexavalent	< 260	260	870		100	mg/L	X	10/10/03	SM 3500 Cr-D	SM 3500 Cr-D
Cyanide, Total	0.0058	0.0015	0.0050		1	mg/L		10/14/03	EPA 335.4	EPA 335.4



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Scott Hassett, Secretary
Ruthe E. Badger, Regional Director

South Central Region Headquarters
3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711-5397
Telephone 608-275-3266
FAX 608-275-3338
TTY 608-275-3231

December 18, 2003

Ed and Virginia Matush
4310 Fawn Court
Cross Plains, WI 53528

File Ref: 113112010
Dane County

SUBJECT: Results of Drinking Water Quality Testing, November 2003

Dear Mr. and Ms. Matush:

Drinking water samples were collected from your home in November 2003 by Environmental Sampling Corporation and submitted to CT Laboratories for analysis. This testing was performed at the request of the Department of Natural Resources (DNR) as part of the long-term groundwater monitoring associated with the Refuse Hideaway Landfill.

Your well water was tested for the presence of volatile organic compounds (VOCs). As you can see from the enclosed laboratory results sheet, no VOCs were detected in your well water. Therefore, it does not appear that the Refuse Hideaway Landfill or any other contaminant source has impacted the water quality of your well with VOC contamination at this time.

The Department will continue to monitor your well at the same frequency that it has in the past. If you have any questions about our work at the landfill or the enclosed drinking water quality results, please contact me at the address listed above or you can also contact me as indicated below.

Sincerely,

Hank Kuehling, P.G.
Remediation and Redevelopment Hydrogeologist
(608) 275-3286
harlan.kuehling@dnr.state.wi.us

enclosure

cc: Dr. Henry Anderson - DHFS
Frank Perugini - ESC
DG/SCR



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Scott Hassett, Secretary
Ruthe E. Badger, Regional Director

South Central Region Headquarters
3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711-5397
Telephone 608-275-3266
FAX 608-275-3338
TTY 608-275-3231

December 8, 2003

Arvid & Margaret Sather
7911 Deer Run Road
Cross Plains, WI 53528

File Ref: 113112010
Dane County

SUBJECT: Results of Drinking Water Quality Testing, November 2003

Dear Mr. and Ms. Sather:

Drinking water samples were collected from your home in November 2003 by Environmental Sampling Corporation and submitted to CT Laboratories for analysis. This testing was performed at the request of the Department of Natural Resources (DNR) as part of the long-term groundwater monitoring associated with the Refuse Hideaway Landfill.

Your well water was tested for the presence of volatile organic compounds (VOCs). As you can see from the enclosed laboratory results sheet, no VOCs were detected in your well water. Therefore, it does not appear that the Refuse Hideaway Landfill or any other contaminant source has impacted the water quality of your well with VOC contamination at this time.

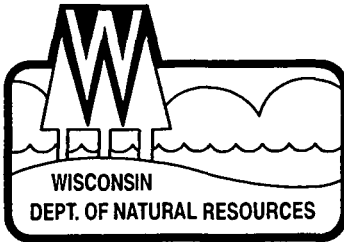
The Department will continue to monitor your well at the same frequency that it has in the past. If you have any questions about our work at the landfill or the enclosed drinking water quality results, please contact me at the address listed above or you can also contact me as indicated below.

Sincerely,

Hank Kuehling, P.G.
Remediation and Redevelopment Hydrogeologist
(608) 275-3286
harlan.kuehling@dnr.state.wi.us

enclosure

cc: Dr. Henry Anderson - DHFS
Frank Perugini - ESC
DG/SCR



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Scott Hassett, Secretary
Ruthe E. Badger, Regional Director

South Central Region Headquarters
3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711-5397
Telephone 608-275-3266
FAX 608-275-3338
TTY 608-275-3231

December 9, 2003

Steven Csargo & Kathleen Roush
7873 Deer Run Road
Cross Plains, WI. 53528

File Ref: 113112010
Dane County

SUBJECT: Results of Drinking Water Quality Testing, November 2003

Dear Mr. Csargo and Ms. Roush:

Drinking water samples were collected from your home in November 2003 by Environmental Sampling Corporation and submitted to CT Laboratories for analysis. This testing was performed at the request of the Department of Natural Resources (DNR) as part of the long-term groundwater monitoring associated with the Refuse Hideaway Landfill.

Your well water was tested for the presence of volatile organic compounds (VOCs). As you can see from the enclosed laboratory results sheet, no VOCs were detected in your well water. Therefore, it does not appear that the Refuse Hideaway Landfill or any other contaminant source has impacted the water quality of your well with VOC contamination at this time.

The Department will continue to monitor your well at the same frequency that it has in the past. If you have any questions about our work at the landfill or the enclosed drinking water quality results, please contact me at the address listed above or you can also contact me as indicated below.

Sincerely,

Hank Kuehling, P.G.
Remediation and Redevelopment Hydrogeologist
(608) 275-3286
harlan.kuehling@dnr.state.wi.us

enclosure

cc: Dr. Henry Anderson - DHFS
Frank Perugini - ESC
DG/SCR



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Scott Hassett, Secretary
Ruthe E. Badger, Regional Director

South Central Region Headquarters
3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711-5397
Telephone 608-275-3266
FAX 608-275-3338
TTY 608-275-3231

December 9, 2003

Daniel & Patricia Sommers
7892 Deer Run Road
Cross Plains, WI 53528

File Ref: 113112010
Dane County

SUBJECT: Results of Drinking Water Quality Testing, November 2003

Dear Mr. and Ms. Sommers:

Drinking water samples were collected from your home in November 2003 by Environmental Sampling Corporation and submitted to CT Laboratories for analysis. This testing was performed at the request of the Department of Natural Resources (DNR) as part of the long-term groundwater monitoring associated with the Refuse Hideaway Landfill.

Your well water was tested for the presence of volatile organic compounds (VOCs). As you can see from the enclosed laboratory results sheet, no VOCs were detected in your well water. Therefore, it does not appear that the Refuse Hideaway Landfill or any other contaminant source has impacted the water quality of your well with VOC contamination at this time.

The Department will continue to monitor your well at the same frequency that it has in the past. If you have any questions about our work at the landfill or the enclosed drinking water quality results, please contact me at the address listed above or you can also contact me as indicated below.

Sincerely,

Hank Kuehling, P.G.
Remediation and Redevelopment Hydrogeologist
(608) 275-3286
harlan.kuehling@dnr.state.wi.us

enclosure

cc: Dr. Henry Anderson - DHFS
Frank Perugini - ESC
DG/SCR



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

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Fitchburg, Wisconsin 53711-5397
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FAX 608-275-3338
TTY 608-275-3231

December 9, 2003

Loyal & Bernice Durand
4314 Fawn Court
Cross Plains, WI 53528

File Ref: 113112010
Dane County

SUBJECT: Results of Drinking Water Quality Testing, November 2003

Dear Mr. and Ms. Durand:

Drinking water samples were collected from your home in November 2003 by Environmental Sampling Corporation and submitted to CT Laboratories for analysis. This testing was performed at the request of the Department of Natural Resources (DNR) as part of the long-term groundwater monitoring associated with the Refuse Hideaway Landfill.

Your well water was tested for the presence of volatile organic compounds (VOCs). As you can see from the enclosed laboratory results sheet, no VOCs were detected in your well water. Therefore, it does not appear that the Refuse Hideaway Landfill or any other contaminant source has impacted the water quality of your well with VOC contamination at this time.

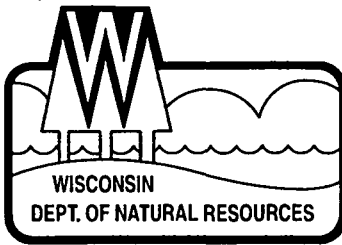
The Department will continue to monitor your well at the same frequency that it has in the past. If you have any questions about our work at the landfill or the enclosed drinking water quality results, please contact me at the address listed above or you can also contact me as indicated below.

Sincerely,

Hank Kuehling, P.G.
Remediation and Redevelopment Hydrogeologist
(608) 275-3286
harlan.kuehling@dnr.state.wi.us

enclosure

cc: Dr. Henry Anderson - DHFS
Frank Perugini - ESC
DG/SCR



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Scott Hassett, Secretary
Ruthe E. Badger, Regional Director

South Central Region Headquarters
3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711-5397
Telephone 608-275-3266
FAX 608-275-3338
TTY 608-275-3231

December 9, 2003

Mr. Jerry Wagner
7902 USH 14
Cross Plains, WI 53528

File Ref: 113112010
Dane County

SUBJECT: Results of Drinking Water Quality Testing, November 2003

Dear Mr. Wagner:

Drinking water samples were collected from your home in November 2003 by Environmental Sampling Corporation and submitted to CT Laboratories for analysis. This testing was performed at the request of the Department of Natural Resources (DNR) as part of the long-term groundwater monitoring associated with the Refuse Hideaway Landfill.

Your well water was tested for the presence of volatile organic compounds (VOCs). As you can see from the enclosed laboratory results sheet, no VOCs were detected in your well water. Therefore, it does not appear that the Refuse Hideaway Landfill or any other contaminant source has impacted the water quality of your well with VOC contamination at this time.

The Department will continue to monitor your well at the same frequency that it has in the past. If you have any questions about our work at the landfill or the enclosed drinking water quality results, please contact me at the address listed above or you can also contact me as indicated below.

Sincerely,

Hank Kuehling, P.G.
Remediation and Redevelopment Hydrogeologist
(608) 275-3286
harlan.kuehling@dnr.state.wi.us

enclosure

cc: Dr. Henry Anderson - DHFS
Frank Perugini - ESC
DG/SCR



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

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3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711-5397
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FAX 608-275-3338
TTY 608-275-3231

December 9, 2003

Mr. Wayne Rounds
7785 Low Road
Middleton, WI 53562

File Ref: 113112010
Dane County

SUBJECT: Results of Drinking Water Quality Testing, November 2003

Dear Mr. Rounds:

Drinking water samples were collected from your home in November 2003 by Environmental Sampling Corporation and submitted to CT Laboratories for analysis. This testing was performed at the request of the Department of Natural Resources (DNR) as part of the long-term groundwater monitoring associated with the Refuse Hideaway Landfill.

Your well water was tested for the presence of volatile organic compounds (VOCs). As you can see from the enclosed laboratory results sheet, one VOC, bromomethane, was detected in the sample at a level of 0.60 micrograms/Liter (parts per billion). This concentration is significantly below the health advisory level (HAL) of 10 ug/L. A drinking water health advisory is not issued by the Department until a HAL exceedance has been verified.

A primary use of bromomethane is in agriculture as a soil and grain fumigant/pesticide. This contaminant has not been detected in any of the groundwater monitoring wells between your well and the landfill. My conclusion at this time is that Refuse Hideaway Landfill has not impacted the water quality of your well with VOC contamination. However, the Department will continue to collect and analyze samples from your well at the same frequency that it has in the past to monitor this contaminant.

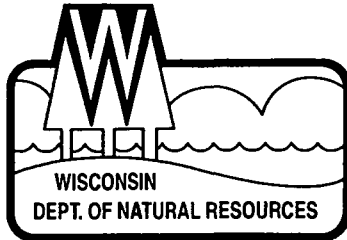
If you have any questions about our work at the landfill or the enclosed drinking water quality results, please contact me at the address listed above or you can also contact me as indicated below.

Sincerely,

Hank Kuehling, P.G.
Remediation and Redevelopment Hydrogeologist
(608) 275-3286
harlan.kuehling@dnr.state.wi.us

enclosure

cc: Dr. Henry Anderson - DHFS
Frank Perugini - ESC
DG/SCR



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
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Fitchburg, Wisconsin 53711-5397
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FAX 608-275-3338
TTY 608-275-3231

December 9, 2003

FID # 113112010

Steve and Shirley Noles
7734 U.S.H. 14
Middleton, WI 53562

Subject: Results of Drinking Water Quality Testing, November, 2003

Dear Mr. and Ms. Noles:

Drinking water samples were collected from your home in November 2003 by Environmental Sampling Corporation and submitted to CT Laboratories for analysis. This testing was performed at the request of the Department of Natural Resources (DNR) as part of the long-term groundwater monitoring associated with the Refuse Hideaway Landfill. The samples were collected from the part of your water supply system that is not treated by your point-of-entry treatment system.

Your well water was tested for the presence of volatile organic compounds (VOCs). As you can see from the enclosed laboratory results sheet, VOCs were detected in your untreated well water.

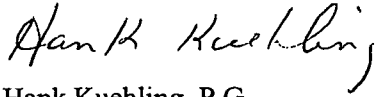
VOC Name	Result (ug/L)	Health Advisory Standard (ug/L)
1,1-Dichloroethane	0.90	850
cis-1,2-Dichloroethene	4.8	70
Dichlorodifluoromethane	1.7	1000
Tetrachloroethene	5.9	5
Trichloroethene	2.6	5

Tetrachloroethene is the only contaminant that is above a health advisory standard. Because this sample was taken from the untreated portion of your water supply, these results are not as pertinent to human health concerns as the results from samples that have been collected by Hellenbrand Water Center from the treated portion of your water supply. My records from Hellenbrand indicate that analysis of their treated water sample did not detect tetrachloroethene above the detection limit of 2 micrograms/liter (ug/L) of sample water. I recommend that you continue to treat your water supply for household use as you have in the past.

The concentration of tetrachloroethene in the November sample is only slightly above that of your May untreated water sample and is not very much above the health advisory standard. My preference is to continue to routinely collect two untreated samples from your water supply in May and November of each year to determine if contaminant concentrations are changing or remaining stable over time. This semi-annual testing will continue to take place as part of the State of Wisconsin's routine groundwater monitoring program for Refuse Hideaway Landfill.

If you have any questions or comments about the arrangements noted above, the enclosed drinking water quality results, or our work at the landfill, please contact me at the address listed above or you can also contact me as indicated below.

Sincerely,



Hank Kuehling, P.G.
Remediation and Redevelopment Hydrogeologist
(608) 275-3286
harlan.kuehling@dnr.state.wi.us

enclosure

cc: Dr. Henry Anderson - DHFS
Frank Perugini - ESC
DG/SCR



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Scott Hassett, Secretary
Ruthe E. Badger, Regional Director

South Central Region Headquarters
3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711-5397
Telephone 608-275-3266
FAX 608-275-3338
TTY 608-275-3231

December 9, 2003

FID # 113112010

Al and Jean Stoppeworth
7750 U.S.H. 14
Middleton, WI 53562

Subject: Results of Drinking Water Quality Testing, November 2003

Dear Mr. and Ms. Stoppeworth:

Drinking water samples were collected from your home in November 2003 by Environmental Sampling Corporation and submitted to CT Laboratories for analysis. This testing was performed at the request of the Department of Natural Resources (DNR) as part of the long-term groundwater monitoring associated with the Refuse Hideaway Landfill. The samples were collected from the part of your water supply system that is not treated by your point-of-entry treatment system.

Your well water was tested for the presence of volatile organic compounds (VOCs). As you can see from the enclosed laboratory results sheet, VOCs were detected in your untreated well water.

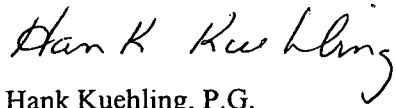
VOC Name	Result (ug/L)	Health Advisory Standard (ug/L)
cis-1,2-Dichloroethene	1.9	70
Tetrachloroethene	4.3	5
Trichloroethene	0.89	5
Dichlorodifluoromethane	1.0	1000

The detected VOCs were all found to be at levels below the associated health advisory standards. Because this sample was taken from the untreated portion of your water supply, these results are not as pertinent to human health concerns as the results from samples that have been collected by Hellenbrand Water Center from the treated portion of your water supply. My records from Hellenbrand indicate that analysis of their treated water sample did not detect tetrachloroethene above the detection limit of 2 micrograms/liter (ug/L) of sample water.

I recommend that you continue to treat your water supply for household use as you have in the past. The semi-annual testing of the untreated portion of your water supply will continue to take place in May and November as part of the State of Wisconsin's routine groundwater monitoring program for Refuse Hideaway Landfill.

If you have any questions or comments about the arrangements noted above, the enclosed drinking water quality results, or our work at the landfill, please contact me at the address listed above or you can also contact me as indicated below.

Sincerely,



Hank Kuehling, P.G.
Remediation and Redevelopment Hydrogeologist
(608) 275-3286
kuehkh@dnr.state.wi.us

enclosure

cc: Dr. Henry Anderson - DHFS
Frank Perugini - ESC
DG/SCR

1.3 8
Kuehling, Harlan H.

From: Fagiolo.John@epamail.epa.gov
Sent: Thursday, February 12, 2004 9:12 AM
To: Kuehling, Harlan H.
Subject: Re: RHL Annual Report and RHL Redevelopment

Hi Hank - Thanks for the e-mail, for working on the report, and for your quick update.

To address the quick points you mentioned:

(1) Regarding an extension to the February 1, 2004 deadline for submitting the 2003 report, U.S. EPA hereby officially grants a deadline extension of sixty (60) calendar days, to April 1, 2004. Please don't hesitate to request another extension, if needed, past 4/1/04.

(2) Regarding the re-development of the RHL property, because the site is a Superfund site on the NPL, U.S. EPA Superfund (me) technically is supposed to have a voice in approving or disapproving whether the site is clean, and consequently what eventual use is intended for the property.

But, this determination is usually made in concert with the State agency (you). In short, if WDNR eventually feels that the State cleanup standards have been adequately achieved (i.e. the risk has been addressed (more or less) "permanently"), I don't see any problem with EPA concurring with whatever determination that WDNR makes (i.e. if WDNR thinks it can be re-developed, then EPA should have no problem concurring).

(3) EPA will not (for the most part) stand in the way of any local Government's plans for re-development of a Superfund site. The tricky part is getting the ownership and liability issue(s) resolved, and trying to find the funds to proceed with re-development.

(3.1) Someone has to step up and take ownership of the property. This means continuing the operation and maintenance of whatever remedy systems are present. Many times townships and counties won't accept ownership because they can't afford to run the leachate collection, flare, treatment systems, sampling, etc.

Once the ownership is determined, EPA lawyers have "standard" documents (Prospective Purchasers Agreement) that declare who is liable and responsible for what, and for how long. These forms also certify whether the site has achieved cleanup standards and whether there is any future risk remaining.

(3.2) If the Township or County has enough cash to re-develop the site, without getting any money from the Federal Government, we don't care - they can do it as long as no one is being exposed to harmful wastes. They still need to check with us (me) to make sure that cleanup standards are achieved (or will be achieved).

(4) If the Township of County is looking for a subsidy to proceed with their re-development plans, however, it's a little tougher. They will be competing with other communities across the nation for grants / loans, etc.

(4.1) The township / county needs to show EPA that they are willing to take over ownership of the property (including deed restrictions and operation of remedy systems). Then, the township / county needs to show EPA that there are viable possible opportunities for re-development; i.e. they need to show that they can sell the property to Taco Bell or WalMart or whomever, or, as mentioned above, they need to show EPA that they will pay something as needed to keep the property maintained.

(5) Many times, it's a "catch 22". The township / county needs EPA's grant money to keep the property going, or upgrade it for a potential new buyer, but they can't receive the money until they can show that there is a new buyer or a good potential for a new buyer.

(5.1) If the Twp / County wants to turn it into a park or something, there needs to be evidence (bond issue, etc.) that the Twp / County can share the cost of operating such a municipal resource. Then, in certain instances, EPA will subsidize a percent of that operating expense.

(6) Take a look at the attached PDF file that shows Brownfields Frequently Asked Questions.

If you want to get the applications, and other materials yourself, The web sites are:

<http://www.epa.gov/brownfields>

<http://www.epa.gov/brownfields/applicat.htm>

Sorry for the long message.
Hope this helps and I almost forgot:

hope you had a good, fun holiday season and hope that 2004 is a good, happy new year for you !!!

Thanks and talk to you soon !!!

John V. Fagiolo
Remedial Project Manager
EPA R5 SFD / Corps of Engineers Liaison
U.S. EPA Region 5 - SFD (SR-6J)
77 West Jackson
Chicago IL 60604
312.886.0800
FAX: 312.886.4071



LIESCH ENVIRONMENTAL SERVICES, INC. 6000 GISHOLT DRIVE, SUITE 203 MADISON, WI 53713 608/223-1532 FAX: 608/223-1534

March 2, 2004

Madison Metropolitan Sewerage District
1610 Moorland Road
Madison, Wisconsin 53713-3398

RE: Wastewater Discharge Laboratory Results
Wisconsin Department of Natural Resources
Refuse Hideaway Landfill
Permit #: NTO-5I

To Whom It May Concern:

Per wastewater discharge permit requirements for the above referenced site, Liesch Environmental Services, Inc. (Liesch) is submitting the enclosed analytical summary table and laboratory reports. All analyzed parameters were below permitted levels.

Please call me at (608) 223-1532 if you need additional information or have any questions.

Sincerely,
LIESCH ENVIRONMENTAL SERVICES, INC.

A handwritten signature in black ink that reads "Brandon C. Nikolish". The signature is written in a cursive style.

Brandon C. Nikolish
Staff Engineer

BCN/bm
Enclosure

cc: **Mr. Hank Kuehling, RRWB, Wisconsin Dept. of Natural Resources,**
P.O. Box 7921, Madison, WI 53707-7921

Table 1
Leachate Tank Laboratory Analytical Results
Refuse Hideaway Landfill
Middleton, Wisconsin

DATE	PARAMETER										
	Cadmium (ug/L)	Total Chromium (ug/L)	Hexavalent Chromium (ug/L)	Copper (ug/L)	Lead (ug/L)	Mercury (ug/L)	Nickel (ug/L)	Selenium (ug/L)	Silver (ug/L)	Zinc (ug/L)	Cyanide (ug/L)
Permitted Levels	250	10000	500	1500	5000	20	2000	300	3000	8000	100
9/30/2003	<0.88	54		8	<2.2	<0.030	150	<8.0	<1.8	54	
10/9/2003			<260000								5.8
2/23/2004	<0.53	30	<270	24	<1.3	<0.030	93	<4.8	6.5	40	16

Notes

Results in **bold** indicate levels above permit limitations.

mg/l = parts per million

ug/l = parts per billion

J = Analyte detected between limit of detection and limit of quantitation.

Frank asks: are they using an oil-less compressor? (Acids well contamination.)

Kuehling, Harlan H.

5/21/04, Dick Kalnicky told me I can tell Frank I can choose not to solicit a bid from him if he doesn't cooperate with Liesch.

From: Kuehling, Harlan H.
Sent: Friday, May 21, 2004 9:35 AM
To: 'Brandon Nikolish'
Subject: RE: Refuse Landfill Groundwater Sampling and Leachate Collection

I can pay Frank & ESC to visit RHL to help solve Liesch's problems. Dick agreed. We can rebuild this contract if Liesch ~~doesn't~~ wants to change the conditions or prices of the contract.

I'm sorry to hear that you continue to have problems with sampling the deep wells. I had made arrangements for you, Frank, and me to talk this morning but just found out you are out of the office until Tuesday of next week. So please give me a call Tuesday morning and we can arrange a conference call (I have a meeting from 9-11 that morning, so the earlier you call the better).

One thing that I should mention, after rereading your e-mail below, is that the number of wells to be monitored this spring has increased compared to last year's number of wells sampled in the spring, so we can't compare days to complete the task.

Have the finished the private wells? This is important.

Thanks for your efforts this week. I hope next week brings more success and less frustration.

Hank

-----Original Message-----

From: Brandon Nikolish [mailto:bnikolish@madison.liesch.com]
Sent: Thursday, May 20, 2004 2:19 PM
To: Kuehling, Harlan H.
Subject: Refuse Landfill Groundwater Sampling and Leachate Collection

Hank,

Good morning. I'm meeting Energetics on-site this afternoon to repair the compressor and get the leachate collection system back on-line. I'll let you know how it goes.

Also, I'm hoping you will again contact ESC to further determine the equipment (name and model number of motor driven compressor and pump control) they used to purge the landfill groundwater monitoring wells. We're using a gas-motor driven compressor capable of delivering 15.6 cfm at 125 psi and we're still unable to purge the deepest wells at the tree farm. These wells are greater than 250' deep with very minimal water column height, i.e. the static water level is also deep.

We were able to purge well P-30D where the pump inlet is at ~283 ft. However, the water column height (head) above the pump inlet is ~260' (static water level at ~24') which makes it much easier to move water. Unfortunately, it took nearly 5 hours to develop this one well and we still did not remove the entire quantity of water (173 gal) listed on Table 1.

Another example, well P-40I is ~104 feet deep with a static water level of ~13'. We were able to achieve a maximum pumping of ~0.5 gpm by manipulating a variety of parameters (increased pressure, control manipulation, etc.). Using this pumping rate it took us over 2 hours to purge 60 gal from this well as referenced on Table 1. All told, we were able to sample 19 out of 44 wells in 3 not-so-short days this week.

By this past Tuesday we were certain that our equipment and pumping methodology were correct and that it was the bladder pumps that were acting as the limiting factor. I contacted the pump manufacturer (QED) on Tuesday and obtained the pump curve for the Model 1101 Wizard bladder pumps installed at the landfill this morning. The pump curve, based on 100 psi and 25 ft of submergence, shows a flow rate of 1.3 gpm at 25 feet, 0.4 gpm at 100 feet, and 0.15 gpm at 175 feet. As is illustrated by the pump curve, the flow rate from the bladder pump decreases quickly with depth and thus increases the time to develop deeper wells.

The point I'm trying to convey is that I'm not sure how ESC could have purged four well volumes from all 44 wells in 3 to 4 days. (It's also why I asked for their purge (pumping) rate earlier this week). We would be quite grateful if ESC can inform us how they managed to increase the flow rate from the bladder pumps.

05/21/2004

I'm also interested in their equipment b/c, as I mentioned, we were not able to remove any water from the deeper wells on the tree farm. The Model P1101 bladder pump is listed as having a maximum lift of 300 feet, but we were not able to obtain this. Our concern is that supplying higher psi will only damage the pumps themselves. Again, any insight from ESC would be appreciated. I'm working with QED to see if they have any recommendations.

I was, of course, hoping to avoid the problematic nature of switching consultants. Unfortunately, we based our proposal on 3 to 4 days of sampling and we've exhausted 3 days and are less than 50% finished. Not a very encouraging development. I would appreciate it if you would again contact ESC (I can call them although I don't think I would get much of a response) and find out the specifics behind equipment used, pumping methodology, and pumping flow rates. If they were actually able to purge the wells per Table 1 and Table 2 then we will adjust our approach to match theirs. If not, I would ask that we have the opportunity to submit a revised cost estimate based on the actual field time required to sample the wells per Table 1 and Table 2. Conversely, if achieving the purge volumes listed on Table 1 and Table 2 is not critical, we should discuss how to modify the 4x casing volume purge value.

Thanks and I apologize for the lengthy nature of this e-mail.

Brandon
Liesch Environmental Services, Inc.
608-223-1532

From: Kuehling, Harlan H. [mailto:Harlan.Kuehling@dnr.state.wi.us]
Sent: Tuesday, May 18, 2004 12:01 PM
To: Brandon Nikolish
Subject: RE: Refuse Landfill Groundwater Sampling

I talked with one of the field crew hydros at ESC (Frank was gone). She couldn't answer all of your questions, but here is what she could tell me.

They used three people on the project and usually finished in three days, four at the most. Two people would work on the monitoring wells and one would collect private well samples, take water level measurements, etc. Maybe your 4-5 day estimate isn't too far off the mark, but this is probably more than you estimated for the bid. They didn't use a generator; they used a gas motor-driven compressor that achieved greater than 100 psi. She didn't remember their purge rate, but they did purge 4 well volumes. That's all to report. Let me know how the process develops.

Hank

-----Original Message-----

From: Brandon Nikolish [mailto:bnikolish@madison.liesch.com]
Sent: Tuesday, May 18, 2004 10:54 AM
To: Kuehling, Harlan H.
Subject: Refuse Landfill Groundwater Sampling

Hank,

Good morning. I am hoping you might contact Frank at ESC to determine what type of generator (wattage), compressor (max psi and capacity), and controller they were using to sample the wells out at the Refuse Landfill. Our guys are having a tough time achieving a purge rate (pumping rate) that will take anything less than 4 to 5 long days to complete this sampling event. Our compressor and generator have sufficient power/capacity, but purging the deeper wells is taking considerably longer than expected. We might be able to determine if we're on the right track if Frank can give you some idea of their purge rate and/or time to sample deeper wells (150+ feet). If we're way off it might be that our controller is the limiting factor although the manufacturer has stated that the controller is rated down to 250 feet.

Thanks much!

05/21/2004

Brandon Nikolish
Liesch Environmental Services, Inc.
608-223-1532

**Wells Added to May 2004 GW Sampling Event
Refuse Hideaway Landfill**

Well Name	Well Depth (feet)	Depth to Groundwater (feet)	Approximate Water in Well ¹ (Gallons)	Approximate Purge Vol (gallons)	Dedicated Pump	Approximate Purge Rate ² (gpm)	Approximate Purge Time ² (minutes)	Approximate Purge Time ² (hours)
P-8S	20.5	8.76	1.92	8	N			
P-8D	42.2	11.53	5.00	19	N			
P-9S	16	11.83	0.68	3	N			
P-9D	43	11.57	5.13	20	N			
P-18S	107.2	101.97	0.85	4	N			
P-21S	19.7	13.5	1.01	4	N			
P-21D	41.6	15.9	4.19	17	N			
P-22E	273	179	15.34	57	Y	0.5	114.00	1.90
P-23S	48.1	43.61	0.73	3	N			
P-23D	80.1	43.36	6.00	23	N			
P-28S	207.4	204.35	0.50	2	N			
P-32S	39.5	24.2	2.50	10	N			
P-32D	176.2	24.6	24.74	99	Y	0.5	198.00	3.30
P-43S	205.7	197.08	1.41	5	Y	0.5	10.00	0.17
P-43I	233.3	196.7	5.97	22	Y	0.5	44.00	0.73
P-43D	283.6	196.39	14.23	53	Y	0.5	106.00	1.77
Total Time ²							472.00 minutes	7.87 hours

Notes

- 1 Calculation only includes water in well casing, not in borehole.
- 2 For wells with bladder pumps (based on 75 depth to water - rate decreases with depth). Other wells are bailed.

Less Frequent Sampling

P-21S and P-21D removed from Table 1 Semi-annual list and added to Table 2 Annual list

More Frequent Sampling

P-32S and P-32D removed from Table 3 3-yr Frequency and added to Table 2 Annual list

Following wells were added to the Table 2 Annual List: P-8S, P-8D, P-9S, P-9D, P-18S, P-23S, P-23D, and P-28S

New wells added to the Table 1 Semi-annual list: P-22E, P-43S, P-43I, and P-43D

Deep Well Data
Refuse Hideaway Landfill

Well Name	Well Depth (feet)	Depth to Groundwater (feet)	Approximate Water in Well ¹ (Gallons)	Approximate Purge Vol (gallons)	Dedicated Pump	Approximate Purge Rate ² (gpm)	Approximate Purge Time ² (minutes)	Approximate Purge Time ² (hours)
P-17S	158.8	148.3	1.71	7	Y	0.5	14.00	0.23
P-22S	184.7	174.9	1.60	7	Y	0.5	14.00	0.23
P-22D	217.2	175.9	6.74	27	Y	0.5	54.00	0.90
* P-22E	273	179	15.34	57	Y	0.5	114.00	1.90
P-25BR	140.3	27.6	18.39	73	Y	0.5	146.00	2.43
* P-26S	237.6	221.9	2.56	10	Y	0.5	20.00	0.33
* P-26D	262.1	226.3	5.84	26	Y	0.5	52.00	0.87
P-27S	188.8	177	1.93	8	Y	0.5	16.00	0.27
P-27D	204.3	177.6	4.36	18	Y	0.5	36.00	0.60
* P-29S	257.2	239.8	2.84	11	Y	0.5	22.00	0.37
* P-31D	258.2	9.8	40.54	162	Y	0.5	324.00	5.40
* P-34D	276.1	167.3	17.75	71	Y	0.5	142.00	2.37
P-43S	205.7	197.08	1.41	5	Y	0.5	10.00	0.17
* P-43I	233.3	196.7	5.97	22	Y	0.5	44.00	0.73
* P-43D	283.6	196.39	14.23	53	Y	0.5	106.00	1.77
Total Time ²							1114.00 minutes	18.57 hours

Notes

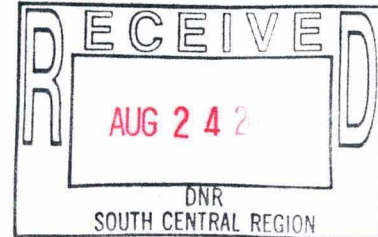
- 1 Calculation only includes water in well casing, not in borehole.
- 2 For wells with bladder pumps (based on 75 depth to water - rate decreases with depth). Other wells are bailed.
- * Deep well requiring high pressure controller and compressed gas to purge and sample.



LIESCH ENVIRONMENTAL SERVICES, INC. 6000 GISHOLT DRIVE, SUITE 203 MADISON, WI 53713 608/223-1532 FAX: 608/223-1534

August 23, 2004

Ralph Erickson
Madison Metropolitan Sewerage District
1610 Moorland Road
Madison, Wisconsin 53713-3398



RE: Wastewater Discharge Laboratory Results
Wisconsin Department of Natural Resources
Refuse Hideaway Landfill
Permit #: NTO-5I

To Mr. Erickson:

Per wastewater discharge permit requirements for the above referenced site, Liesch Environmental Services, Inc. (Liesch) is submitting the enclosed analytical summary table and laboratory reports. All analyzed parameters were below permitted levels.

Please call me at (608) 223-1532 if you need additional information or have any questions.

Sincerely,
LIESCH ENVIRONMENTAL SERVICES, INC.

A handwritten signature in black ink that reads "Brandon C. Nikolish".

Brandon C. Nikolish
Staff Engineer

BCN/bm
Enclosure

cc: **Mr. Hank Kuehling, WDNR** - South Central Region, 3911 Fish Hatchery Road
Fitchburg, WI 53711

Table 1
Leachate Tank Laboratory Analytical Results
Refuse Hideaway Landfill
Middleton, Wisconsin

DATE	PARAMETER										
	Cadmium (ug/L)	Total Chromium (ug/L)	Hexavalent Chromium (ug/L)	Copper (ug/L)	Lead (ug/L)	Mercury (ug/L)	Nickel (ug/L)	Selenium (ug/L)	Silver (ug/L)	Zinc (ug/L)	Cyanide (ug/L)
Permitted Levels	250	10000	500	1500	5000	20	2000	300	3000	8000	100
9/30/2003	<0.88	54		8	<2.2	<0.030	150	<8.0	<1.8	54	
10/9/2003			<260000								5.8
2/23/2004	<0.53	30	<270	24	<1.3	<0.030	93	<4.8	6.5	40	16
8/5/2004	<0.17	21	<27	4.1	1.9	<0.028	54	6.5	0.21	19	0.015

Notes

Results in **bold** indicate levels above permit limitations.

mg/l = parts per million

ug/l = parts per billion

J = Analyte detected between limit of detection and limit of quantitation.



Corporate Office & Laboratory
1241 Bellevue Street, Suite 9, Green Bay, WI 54302
920-469-2436, Fax: 920-469-8827
www.enchem.com

Analytical Report Number: 849591

Client: LIESCH ENVIRONMENTAL

Lab Contact: Eric Bullock

Project Name: REFUSE LANDFILL

Project Number: 59056.00

Lab Sample Number	Field ID	Matrix	Collection Date
849591-001	LE TANK	WATER	08/05/04

I certify that the data contained in this Final Report has been generated and reviewed in accordance with approved methods and Laboratory Standard Operating Procedure. Exceptions, if any, are discussed in the accompanying sample comments. Release of this final report is authorized by Laboratory management, as is verified by the following signature. Reported results shall not be reproduced, except in full, without the written approval of the lab. The sample results relate only to the analytes of interest tested.

Approval Signature

8/19/04

Date

Analytical Report Number: 849591

Client : LIESCH ENVIRONMENTAL

Project Name : REFUSE LANDFILL

Project Number : 59056.00

Field ID : LE TANK

Matrix Type : WATER

Collection Date : 08/05/04

Report Date : 08/18/04

Lab Sample Number : 849591-001

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Cadmium	< 0.17	0.17	0.56		1	ug/L		08/12/04	SW846 3O20	SW846 6020
Chromium	21	0.21	0.69		1	ug/L		08/12/04	SW846 3O20	SW846 6020
Chromium, Hexavalent	< 27	27	90		1	ug/L	C	08/06/04	SM 3500 Cr-D	SM 3500 Cr-D
Copper	4.1	0.28	0.93		1	ug/L		08/12/04	SW846 3O20	SW846 6020
Lead	1.9	0.067	0.22		1	ug/L		08/12/04	SW846 3O20	SW846 6020
Mercury	< 0.028	0.028	0.093		1	ug/L		08/11/04	SW846 7470A	SW846 7470A
Nickel	54	0.082	0.27		1	ug/L		08/12/04	SW846 3O20	SW846 6020
Selenium	6.5	0.47	1.6		1	ug/L		08/12/04	SW846 3O20	SW846 6020
Silver	0.21	0.049	0.16		1	ug/L	A	08/12/04	SW846 3O20	SW846 6020
Zinc	19	1.9	6.3		1	ug/L	A	08/12/04	SW846 3O20	SW846 6020
Cyanide, Total	0.015	0.0016	0.0055		1	mg/L	A	08/16/04	EPA 335.4	EPA 335.4

Lab Number	TestGroupID	Field ID	Comment
849591-	Metals & Cyanide	All Samples	The metals and cyanide bottles had additional preservative added to them upon receipt in the laboratory.
849591-001	M-AG-W	LE TANK	A - Analyte is detected in the method blank at a concentration of 0.41 ug/L.
849591-001	M-ZN-W	LE TANK	A - Analyte is detected in the method blank at a concentration of 5.5 ug/L.
849591-001	W-CN-W	LE TANK	A - Analyte is detected in the method blank at a concentration of 0.0036 mg/L.
849591-001	W-CR+6-W	LE TANK	C - Elevated detection limit due to matrix effect.

En Chem, Inc. Cooler Receipt Log

Batch No. 849591

Project Name or ID 59056.00

No. of Coolers: 1

Temps: ROI

A. Receipt Phase: Date cooler was opened: 8/6/04 By: GD

- 1: Were samples received on ice? (Must be ≤ 6 C).....YES NO² NA
- 2: Was there a Temperature Blank?.....YES NO
- 3: Were custody seals present and intact on cooler? (Record on COC).....YES NO
- 4: Are COC documents present?.....YES NO²
- 5: Does this Project require quick turn around analysis?.....YES NO
- 6: Is there any sub-work?.....YES NO
- 7: Are there any short hold time tests?.....YES NO
- 8: Are any samples nearing expiration of hold-time? (Within 2 days).....YES¹ NO Contacted by/Who WET
- 9: Do any samples need to be Filtered or Preserved in the lab?.....YES¹ NO Contacted by/Who _____

B. Check-in Phase: Date samples were Checked-in: 8/6/04 By: GD

- 1: Were all sample containers listed on the COC received and intact?.....YES NO² NA
- 2: Sign the COC as received by En Chem. Completed.....YES NO
- 3: Do sample labels match the COC?YES NO²
- 4: Completed pH check on preserved samples.....YES NO NA
(This statement does not apply to water: VOC, O&G, TOC, DRO, Total Rec. Phenolics)
- 5: Do samples have correct chemical preservation?.....YES NO² NA
(This statement does not apply to water: VOC, O&G, TOC, DRO, Total Rec. Phenolics)
- 6: Are dissolved parameters field filtered?.....YES NO² NA
- 7: Are sample volumes adequate for tests requested?YES NO²
- 8: Are VOC samples free of bubbles >6mmYES NO² NA
- 9: Enter samples into logbook. Completed.....YES NO
- 10: Place laboratory sample number on all containers and COC. Completed.....YES NO
- 11: Complete Laboratory Tracking Sheet (LTS). Completed.....YES NO NA
- 12: Start Nonconformance form.YES NO NA
- 13: Initiate Subcontracting procedure. Completed.....YES NO NA
- 14: Check laboratory sample number on all containers and COC. DEJ YES NO NA

Short Hold-time tests:

24 Hours or less Coliform Corrosivity = pH Dissolved Oxygen Hexavalent Chromium HPC Ferrous Iron Eh Odor Residual Chlorine Sulfite	48 Hours BOD Color Nitrite or Nitrate Ortho Phosphorus Surfactants Turbidity En Core Preservation Power stop preservation	7 days Ash Aqueous Extractable Organics- ALL Flashpoint Free Liquids Sulfide TDS TSS Total Solids TVS TVSS Unpreserved VOC's	Footnotes 1 Notify proper lab group immediately. 2 Complete nonconformance memo.
--	---	---	--

Rev. 2/05/04, Attachment to 1-REC-5.
Subject to QA Audit.

Reviewed by/date RB 8/11/04

(Please) **Liesch Environmental Services, Inc.**
 Compr: 6000 Gisholt Drive, Ste. 203
 Branch: Madison, WI 53713
 Project:



1241 Bellevue St., Suite 9
 Green Bay, WI 54302
 920-469-2436
 Fax 920-469-8827

1029 V

Telephone: 608-223-1520
 Project Number: 51056.00
 Project Name: Refuse land fill
 Project State: WI
 Sampled By (Print): Eric Ellestad
 PO #:

CHAIN OF CUSTODY No 122707

*Preservation Codes
 A=None B=HCL C=H2SO4 D=HNO3 E=EnCore F=Methanol G=NaOH
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other
 FILTERED? (YES/NO) N N N
 PRESERVATION (CODE)* G A D

Page _____ of _____
 Quote #: _____
 Mail Report To: _____
 Company: _____
 Address: _____
Sample as
otherside
 Invoice To: _____
 Company: _____
 Address: _____
 Mail Invoice To: _____

Data Package Options - (please circle if requested)
 Sample Results Only (no QC)
 EPA Level II (Subject to Surcharge)
 EPA Level III (Subject to Surcharge)
 EPA Level IV (Subject to Surcharge)

Regulatory Program
 UST
 RCRA
 SDWA
 NPDES
 CERCLA
 Matrix Codes
 W=Water
 S=Soil
 A=Air
 C=Charcoal
 B=Biota
 Sl=Sludge

ANALYSES REQUESTED
Asst - 4
Heavy Metals
Heavy Metals

TOTAL # OF BOTTLES SENT

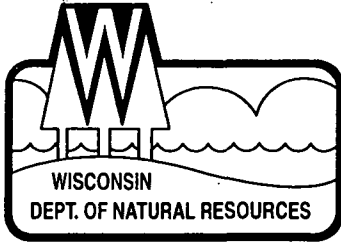
LABORATORY ID (Lab Use Only)	FIELD ID	COLLECTION		MATRIX	ANALYSES REQUESTED										CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)			
		DATE	TIME		A	B	C	D	E	F	G	H	I	J					
001	Lo Link	8/5/04	1130	W	X	X	X											2-500ml A, D 1-250ml G	

Rush Turnaround Time Requested (TAT) - Prelim
 (Rush TAT subject to approval/surcharge)
 Date Needed: _____
 Transmit Prelim Rush Results by (circle):
 Phone Fax E-Mail
 Phone #: _____
 Fax #: _____
 E-Mail Address: _____

Relinquished By: <u>Eric Ellestad</u>	Date/Time: <u>8/5/04 1230</u>	Received By: <u>[Signature]</u>	Date/Time: <u>8/5/04 1400</u>
Relinquished By: _____	Date/Time: _____	Received By: _____	Date/Time: _____
Relinquished By: <u>Fedy</u>	Date/Time: _____	Received By: <u>[Signature]</u>	Date/Time: <u>8/6/04 0930</u>
Relinquished By: _____	Date/Time: _____	Received By: _____	Date/Time: _____
Relinquished By: _____	Date/Time: _____	Received By: _____	Date/Time: _____

En Chem Project No: 849591
 Sample Receipt Temp: ROI
 Sample Receipt by: [Signature]
 (Wet Metals) Adjusted HNO3
 Cooled Custody Seal
 Present / Not Present
 Intact / Not Intact

Samples on HOLD are subject to special pricing and release of liability



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Scott Hassett, Secretary
Ruthe E. Badger, Regional Director

South Central Region Headquarters
3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711-5397
Telephone 608-275-3266
FAX 608-275-3338
TTY 608-275-3231

September 8, 2004

Arvid & Margaret Sather
7911 Deer Run Road
Cross Plains, WI 53528

File Ref: 113112010
Dane County

SUBJECT: Results of Drinking Water Quality Testing, May 2004

Dear Mr. and Ms. Sather:

Drinking water samples were collected from your home in May 2003 by Liesch Environmental Services, Inc. and submitted to En Chem, Inc. laboratories for analysis. This testing was performed at the request of the Department of Natural Resources (DNR) as part of the long-term groundwater monitoring associated with the Refuse Hideaway Landfill.

Your well water was tested for the presence of volatile organic compounds (VOCs). As you can see from the enclosed laboratory results sheet, no VOCs were detected in your well water. Therefore, it does not appear that the Refuse Hideaway Landfill or any other contaminant source has impacted the water quality of your well with VOC contamination at this time.

The Department will continue to monitor your well at the same frequency that it has in the past. If you have any questions about our work at the landfill or the enclosed drinking water quality results, please contact me at the address listed above or you can also contact me as indicated below.

Sincerely,

Hank Kuehling, P.G.
Remediation and Redevelopment Hydrogeologist
(608) 275-3286
harlan.kuehling@dnr.state.wi.us

enclosure

cc: Dr. Henry Anderson - DHFS
Brandon Nikolish - Liesch Environmental Services, Inc.
DG/SCR



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Scott Hassett, Secretary
Ruthe E. Badger, Regional Director

South Central Region Headquarters
3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711-5397
Telephone 608-275-3266
FAX 608-275-3338
TTY 608-275-3231

September 8, 2004

FID # 113112010

Steve and Shirley Noles
7734 U.S.H. 14
Middleton, WI 53562

Subject: Results of Drinking Water Quality Testing, May 2004

Dear Mr. and Ms. Noles:

Drinking water samples were collected from your home in May 2004 by Liesch Environmental Services, Inc. and submitted to En Chem, Inc. laboratories for analysis. This testing was performed at the request of the Department of Natural Resources (DNR) as part of the long-term groundwater monitoring associated with the Refuse Hideaway Landfill. The samples were collected from the part of your water supply system that is not treated by your point-of-entry treatment system.

Your well water was tested for the presence of volatile organic compounds (VOCs). As you can see from the enclosed laboratory results sheet, no VOCs were detected in your untreated well water. This is a change from the monitoring results of the past several years in which VOCs were detected in the untreated well water. Note that the occurrence of VOCs in your well water is possible again in the future because the groundwater contaminant plume from the landfill is still present near your well, although groundwater quality in the plume continues to slowly improve over time. Because of this possibility, I recommend that you continue to treat your water supply for household use as you have in the past. My records from Hellenbrand Water Center indicate that analyses of the treated water samples have not detected tetrachloroethene above the detection limit of 2 micrograms/liter (ug/L) of sample water. These results imply that you can rely on your treated water supply for water with no VOCs, regardless of the variations in the untreated groundwater quality of your well.

The DNR will continue to routinely collect two untreated samples from your water supply in May and November of each year to determine if contaminant concentrations are changing or remaining stable over time. This semi-annual testing will continue to take place as part of the State of Wisconsin's routine groundwater monitoring program for Refuse Hideaway Landfill.

If you have any questions or comments about the information noted above, the enclosed drinking water quality results, or our work at the landfill, please contact me at the address listed above, or you can also contact me as indicated below.

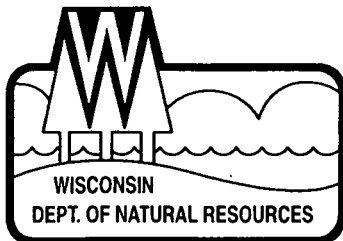
Sincerely,

Hank Kuehling, P.G.
Remediation and Redevelopment Hydrogeologist

(608) 275-3286
harlan.kuehling@dnr.state.wi.us

enclosure

cc: Dr. Henry Anderson - DHFS
Brandon Nikolish – Liesch Environmental Services, Inc.
DG/SCR



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Scott Hassett, Secretary
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South Central Region Headquarters
3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711-5397
Telephone 608-275-3266
FAX 608-275-3338
TTY 608-275-3231

September 8, 2004

FID # 113112010

Al and Jean Stopplesworth
7750 U.S.H. 14
Middleton, WI 53562

Subject: Results of Drinking Water Quality Testing, May 2004

Dear Mr. and Ms. Stopplesworth:

Drinking water samples were collected from your house in May 2004 by Liesch Environmental Services, Inc. and submitted to En Chem, Inc. laboratories for analysis. This testing was performed at the request of the Department of Natural Resources (DNR) as part of the long-term groundwater monitoring associated with the Refuse Hideaway Landfill. The samples were collected from the part of your water supply system that is not treated by your point-of-entry treatment system.

Your well water was tested for the presence of volatile organic compounds (VOCs). As you can see from the enclosed laboratory results sheet, VOCs were detected in your untreated well water.

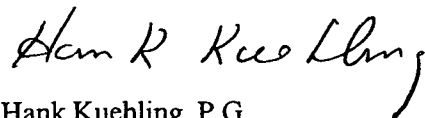
<u>VOC Name</u>	<u>Result (ug/L)</u>	<u>Health Advisory Standard (ug/L)</u>
1,1-Dichloroethane	0.29	850
cis-1,2-Dichloroethene	1.8	70
Tetrachloroethene	3.3	5
Trichloroethene	0.85	5

The detected VOCs were all found to be at levels below the associated health advisory standards. Because this sample was taken from the untreated portion of your water supply, these results are not as pertinent to human health concerns as the results from samples that have been collected by Hellenbrand Water Center from the treated portion of your water supply. My records from Hellenbrand indicate that analysis of their treated water sample did not detect tetrachloroethene above the detection limit of 2 micrograms/liter (ug/L) of sample water.

I recommend that you continue to treat your water supply for household use as you have in the past. The semi-annual testing of the untreated portion of your water supply will continue to take place in May and November as part of the State of Wisconsin's routine groundwater monitoring program for Refuse Hideaway Landfill.

If you have any questions or comments about the arrangements noted above, the enclosed drinking water quality results, or our work at the landfill, please contact me at the address listed above or you can also contact me as indicated below.

Sincerely,

A handwritten signature in black ink that reads "Hank Kuehling". The signature is written in a cursive style with a large, sweeping "H" and "K".

Hank Kuehling, P.G.
Remediation and Redevelopment Hydrogeologist
(608) 275-3286
harlan.kuehling@dnr.state.wi.us

enclosure

cc: Dr. Henry Anderson - DHFS
Brandon Nikolish - Liesch Environmental Services, Inc.
DG/SCR



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Scott Hassett, Secretary
Ruthe E. Badger, Regional Director

South Central Region Headquarters
3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711-5397
Telephone 608-275-3266
FAX 608-275-3338
TTY 608-275-3231

September 8, 2004

File Ref: 113112010

Jeanette Wheat & Daryl Krueger
4306 Fawn Court
Cross Plains, WI 53528

SUBJECT: Results of Drinking Water Quality Testing, May 2004

Dear Ms Wheat and Mr. Krueger:

Drinking water samples were collected from your home in May 2004 by Liesch Environmental Services, Inc. and submitted to En Chem, Inc. laboratories for analysis. This testing was performed at the request of the Department of Natural Resources (DNR) as part of the groundwater monitoring associated with the Refuse Hideaway Landfill.

Your well water was tested for the presence of volatile organic compounds (VOCs). As you can see from the enclosed laboratory results sheet, no VOCs were detected in your well water. Therefore, it does not appear that the Refuse Hideaway Landfill or any other contaminant source has impacted the water quality of your well with VOC contamination at this time.

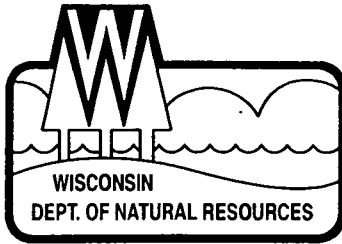
The Department will continue to monitor your well at the same frequency that it has in the past. If you have any questions about our work at the landfill or the enclosed drinking water quality results, please contact me at the address listed above or you can also contact me as indicated below.

Sincerely,

Hank Kuehling, P.G.
Remediation and Redevelopment Hydrogeologist
(608) 275-3286
harlan.kuehling@dnr.state.wi.us

enclosure

cc: Dr. Henry Anderson - DHFS
Brandon Nikolish - Liesch Environmental Services, Inc.
DG/SCR



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Scott Hassett, Secretary
Ruthe E. Badger, Regional Director

South Central Region Headquarters
3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711-5397
Telephone 608-275-3266
FAX 608-275-3338
TTY 608-275-3231

September 8, 2004

File Ref: 113112010

Mr. Jerry Trantow & Ms. Grace Thompson
4318 Fawn Court
Cross Plains, WI 53528

SUBJECT: Results of Drinking Water Quality Testing, May 2004

Dear Mr. Trantow and Ms. Thompson:

Drinking water samples were collected from your home in May 2004 by Liesch Environmental Services, Inc. and submitted to En Chem, Inc. laboratories for analysis. This testing was performed at the request of the Department of Natural Resources (DNR) as part of the groundwater monitoring associated with the Refuse Hideaway Landfill.

Your well water was tested for the presence of volatile organic compounds (VOCs). As you can see from the enclosed laboratory results sheet, no VOCs were detected in your well water. Therefore, it does not appear that the Refuse Hideaway Landfill or any other contaminant source has impacted the water quality of your well with VOC contamination at this time.

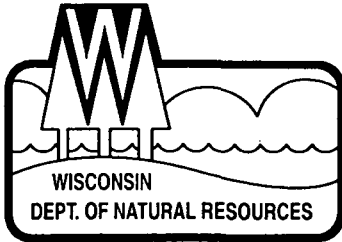
The Department will continue to monitor your well at the same frequency that it has in the past. If you have any questions about our work at the landfill or the enclosed drinking water quality results, please contact me at the address listed above or you can also contact me as indicated below.

Sincerely,

Hank Kuehling, P.G.
Remediation and Redevelopment Hydrogeologist
(608) 275-3286
harlan.kuehling@dnr.state.wi.us

enclosure

cc: Dr. Henry Anderson - DHFS
Brandon Nikolish - Liesch Environmental Services, Inc.
DG/SCR



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Scott Hassett, Secretary
Ruthe E. Badger, Regional Director

South Central Region Headquarters
3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711-5397
Telephone 608-275-3266
FAX 608-275-3338
TTY 608-275-3231

September 8, 2004

File Ref: 113112010

Richard Summers
4610 Rocky Dell Road, Route 1
Middleton, WI 53562

SUBJECT: Results of Drinking Water Quality Testing, May 2004

Dear Mr. Summers:

Drinking water samples were collected from your home in May 2004 by Liesch Environmental Services, Inc. and submitted to En Chem, Inc. laboratories for analysis. This testing was performed at the request of the Department of Natural Resources (DNR) as part of the groundwater monitoring associated with the Refuse Hideaway Landfill.

Your well water was tested for the presence of volatile organic compounds (VOCs). As you can see from the enclosed laboratory results sheet, no VOCs were detected in your well water. Therefore, it does not appear that the Refuse Hideaway Landfill or any other contaminant source has impacted the water quality of your well with VOC contamination at this time.

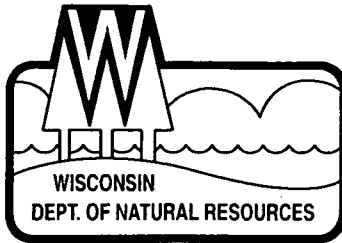
The Department will continue to monitor your well at the same frequency that it has in the past. If you have any questions about our work at the landfill or the enclosed drinking water quality results, please contact me as indicated below.

Sincerely,

Hank Kuehling, P.G.
Remediation and Redevelopment Hydrogeologist
(608) 275-3286
harlan.kuehling@dnr.state.wi.us

enclosure

cc: Dr. Henry Anderson - DHFS
Brandon Nikolish -- Liesch Environmental Services, Inc.
DG/SCR



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

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3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711-5397
Telephone 608-275-3266
FAX 608-275-3338
TTY 608-275-3231

September 8, 2004

File Ref: 113112010

Raymond & Mary Bula
RFD 1, 7872 Deer Run East
Cross Plains, WI 53528

SUBJECT: Results of Drinking Water Quality Testing, May 2004

Dear Mr. and Ms. Bula:

Drinking water samples were collected from your home in May 2004 by Liesch Environmental Services, Inc. and submitted to En Chem, Inc. laboratories for analysis. This testing was performed at the request of the Department of Natural Resources (DNR) as part of the groundwater monitoring associated with the Refuse Hideaway Landfill.

Your well water was tested for the presence of volatile organic compounds (VOCs). As you can see from the enclosed laboratory results sheet, no VOCs were detected in your well water. Therefore, it does not appear that the Refuse Hideaway Landfill or any other contaminant source has impacted the water quality of your well with VOC contamination at this time.

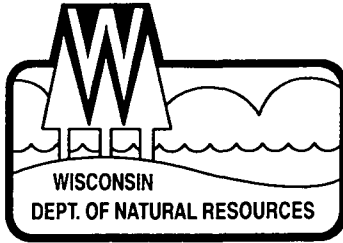
The Department will continue to monitor your well at the same frequency that it has in the past. If you have any questions about our work at the landfill or the enclosed drinking water quality results, please contact me at the address listed above or you can also contact me as indicated below.

Sincerely,

Hank Kuehling, P.G.
Remediation and Redevelopment Hydrogeologist
(608) 275-3286
harlan.kuehling@dnr.state.wi.us

enclosure

cc: Dr. Henry Anderson - DHFS
Brandon Nikolish - Liesch Environmental Services, Inc.
DG/SCR



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Scott Hassett, Secretary
Ruthe E. Badger, Regional Director

South Central Region Headquarters
3911 Fish Hatchery Road
Fitchburg, Wisconsin 53711-5397
Telephone 608-275-3266
FAX 608-275-3338
TTY 608-275-3231

September 8, 2004

File Ref: 113112010

William & Evelyn Plummer
7877 Deer Run Road
Cross Plains, WI 53528

SUBJECT: Results of Drinking Water Quality Testing, May 2004

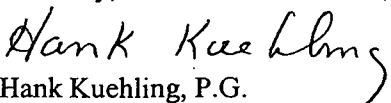
Dear Mr. and Ms. Plummer:

Drinking water samples were collected from your home in May 2004 by Liesch Environmental Services, Inc. and submitted to En Chem, Inc. laboratories for analysis. This testing was performed at the request of the Department of Natural Resources (DNR) as part of the groundwater monitoring associated with the Refuse Hideaway Landfill.

Your well water was tested for the presence of volatile organic compounds (VOCs). As you can see from the enclosed laboratory results sheet, no VOCs were detected in your well water. Therefore, it does not appear that the Refuse Hideaway Landfill or any other contaminant source has impacted the water quality of your well with VOC contamination at this time.

The Department will continue to monitor your well at the same frequency that it has in the past. If you have any questions about our work at the landfill or the enclosed drinking water quality results, please contact me at the address listed above or you can also contact me as indicated below.

Sincerely,


Hank Kuehling, P.G.
Remediation and Redevelopment Hydrogeologist
(608) 275-3286
harlan.kuehling@dnr.state.wi.us

enclosure

cc: Dr. Henry Anderson - DHFS
Brandon Nikolish - Liesch Environmental Services, Inc.
DG/SCR

Kuehling, Harlan H.

From: Kuehling, Harlan H.
Sent: Wednesday, October 20, 2004 12:50 PM
To: 'Steven Smith'
Subject: RE: RHL GW Monitoring Contract Bid Price Sheet - Fall 2004

Hi, Steven,
I have only been in the office for a few hours this week (funeral and sick with the flu) and am only in briefly today. This may have contributed to my making a mistake in asking you for costs for a QAP and Site Safety Plan. I should have first consulted your original bid price sheet from this spring. I was incorrect in thinking it was the QAP and SSP that wasn't considered in comparing bids, but it was the data validation line item that we omitted because of some bidder confusion. Consequently, I have to hold you to your \$100 line item bid price for completing the two plans. (If this line item price changed, I'd have to go to the next highest bidder.) We can discuss what actually has to be done on these plans, as you discussed in your voice message to me today.

I'm sorry for the mistake.

Hank

-----Original Message-----

From: Steven Smith [mailto:ssmith@bt2inc.com]
Sent: Tuesday, October 19, 2004 11:36 AM
To: Leslie Busse; Kuehling, Harlan H.
Subject: RE: RHL GW Monitoring Contract Bid Price Sheet - Fall 2004

Hank,

No problem. Let me check with Leslie first on the two plans.

I'll let you know in a couple of days.

I already faxed and mailed the signed Bid Price sheet you sent me yesterday. You may want to hold it until we resolve this little issue.

I'd take an e-mail copy of the last analytical if possible. If not, a hard copy would be just fine.

Talk to you soon,
Steven

Steven B. Smith
Environmental Specialist
BT2, Inc.
2830 Dairy Drive
Madison, WI 53718
Office # (608) 224-2830 ext. 239
Mobile # (608) 225-2972
Fax # (608) 224-2839
E-Mail : ssmith@bt2inc.com

>>> "Kuehling, Harlan H." <Harlan.Kuehling@dnr.state.wi.us> 10/19/2004
10:37:39 AM >>>

Hi, Steve,

For a variety of reasons, I have been out of the office for most of the last three days and am not in much today, so I apologize for the tardiness of this response. Here are my responses to your questions.

1. I would really have to dig to find the most recent of these two plans, since Environmental Sampling Corporation had the contract for so many years. We never got around to Liesch submitting these plans for the spring quarter. Would BT2, Inc. be willing to submit these two plans and how much would it cost for each?
2. Yes. I assume you want only the most recent round's results. I can make hard copies, or send them electronically from the disk received.
3. I believe their phone number is 798-0538.

And, mailing the signed Bid Price Sheet ASAP will be good, assuming that you haven't done it already.

Hank

-----Original Message-----

From: Steven Smith [mailto:ssmith@bt2inc.com]
Sent: Friday, October 15, 2004 10:19 AM
To: Leslie Busse; Kuehling, Harlan H.
Subject: RE: RHL GW Monitoring Contract Bid Price Sheet - Fall 2004

Hank,
Leslie isn't in today. I have a few questions :

1. Since we aren't preparing a Quality Assurance Plan or a Site Safety Plan, can we have a copy of the most current plans for the site?
2. Can we have a copy of the monitoring wells analytical results for the site?
3. On the Fall Private Well Owners List, there is no phone number listed for George and Joanne Weber of 7873 Deer Run Rd, Cross Plains. Do you have the number?

Thanks,
Steven

>>> "Kuehling, Harlan H." <Harlan.Kuehling@dnr.state.wi.us> 10/15/2004 9:09:27 AM >>>
I'm sorry for the omission. I'm in too much of a hurry this morning. Here it is.

Hank

-----Original Message-----

From: Steven Smith [mailto:ssmith@bt2inc.com]
Sent: Friday, October 15, 2004 8:53 AM
To: Kuehling, Harlan H.
Subject: Re: RHL GW Monitoring Contract Bid Price Sheet - Fall 2004

Hank,
I didn't get any of the attachments that you meant to send. Try again. Liesch obviously didn't read the Scope of Work nor did they understand how to operate the QED wells; you have to use a high pressure controller and compressed gas to purge and sample these types of wells. This is why they lost money; they didn't plan properly.

Thanks,
Steven

>>> "Kuehling, Harlan H." <Harlan.Kuehling@dnr.state.wi.us> 10/15/2004 8:45:03 AM >>>
Hi, Steve,
Here is a revised bid price sheet with quantities for the fall sampling round and the prices you submitted with your bid this spring. If this is correct and you are still comfortable with the unit costs, please sign it and complete the other blanks at the bottom of the page and send it back to me as soon as possible so we can take care of the paperwork here.

FYI. Liesch reported that they needed a high pressure controller and compressed gas to purge and sample the following wells: P-22E; P-26S; P-26D; P-29S; P-31D; P-34D; P-43I; and P-43D.



LIESCH ENVIRONMENTAL SERVICES, INC. 6000 GISHOLT DRIVE, SUITE 203 MADISON, WI 53713 608/223-1532 FAX: 608/223-1534

November 29, 2004

Ralph Erickson
Madison Metropolitan Sewerage District
1610 Moorland Road
Madison, Wisconsin 53713-3398

RE: Wastewater Discharge Laboratory Results
Wisconsin Department of Natural Resources
Refuse Hideaway Landfill
Permit #: NTO-5I

To Mr. Erickson:

Per wastewater discharge permit requirements for the above referenced site, Liesch Environmental Services, Inc. (Liesch) is submitting the enclosed analytical summary table and laboratory reports. All analyzed parameters were below permitted levels.

Copper, nickel and zinc were inadvertently not analyzed this quarter. Historically, these compounds have been well below permitted levels; however, they will be analyzed during subsequent sampling events. Also, we requested that mercury be analyzed to a lower detection level; unfortunately our laboratory indicated this was not feasible due to the nature of the leachate sample provided.

Please call me at (608) 223-1532 if you need additional information or have any questions.

Sincerely,
LIESCH ENVIRONMENTAL SERVICES, INC.

A handwritten signature in cursive script that reads "Brandon C. Nikolish".

Brandon C. Nikolish
Staff Engineer

BCN/bm
Enclosure

cc: **Mr. Hank Kuehling, WDNR** - South Central Region, 3911 Fish Hatchery Road
Fitchburg, WI 53711

Table 1
Leachate Tank Laboratory Analytical Results
Refuse Hideaway Landfill
Middleton, Wisconsin

DATE	PARAMETER										
	Cadmium (ug/L)	Total Chromium (ug/L)	Hexavalent Chromium (ug/L)	Copper (ug/L)	Lead (ug/L)	Mercury (ug/L)	Nickel (ug/L)	Selenium (ug/L)	Silver (ug/L)	Zinc (ug/L)	Cyanide (ug/L)
Permitted Levels	250	10000	500	1500	5000	20	2000	300	3000	8000	100
9/30/2003	<0.88	54		8	<2.2	<0.030	150	<8.0	<1.8	54	
10/9/2003			<260000								5.8
2/23/2004	<0.53	30	<270	24	<1.3	<0.030	93	<4.8	6.5	40	16
8/5/2004	<0.17	21	<27	4.1	1.9	<0.028	54	6.5	0.21	19	15
11/4/2004	<1.7	33	<2.7		2.8	<0.30		13	<0.49		5.4

Notes

Results in **bold** indicate levels above permit limitations.

Blank cell indicates parameter not analyzed.

mg/l = parts per million

ug/l = parts per billion

J = Analyte detected between limit of detection and limit of quantitation.



1241 Bellevue Street, Suite 9
Green Bay, WI 54302
920-469-2436, Fax: 920-469-8827

A Division of Pace Analytical Services, Inc.

Analytical Report Number: 853116

Client: LIESCH ENVIRONMENTAL

Lab Contact: Eric Bullock

Project Name: REFUSE LANDFILL

Project Number: 59056.00

Lab Sample Number	Field ID	Matrix	Collection Date
853116-001	LE TANK	WATER	11/04/04

I certify that the data contained in this Final Report has been generated and reviewed in accordance with approved methods and Laboratory Standard Operating Procedure. Exceptions, if any, are discussed in the accompanying sample comments. Release of this final report is authorized by Laboratory management, as is verified by the following signature. Reported results shall not be reproduced, except in full, without the written approval of the lab. The sample results relate only to the analytes of interest tested.

Approval Signature

11/18/04

Date

En Chem

Analytical Report Number: 853116

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

A Division of Pace Analytical Services, Inc.

Client : LIESCH ENVIRONMENTAL

Project Name : REFUSE LANDFILL

Project Number : 59056.00

Field ID : LE TANK

Matrix Type : WATER

Collection Date : 11/04/04

Report Date : 11/18/04

Lab Sample Number : 853116-001

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Arsenic	25	3.0	10		10	ug/L		11/15/04	SW846 3020A	SW846 6020
Barium	670	1.6	5.2		10	ug/L		11/15/04	SW846 3020A	SW846 6020
Cadmium	< 1.7	1.7	5.6		10	ug/L	C	11/15/04	SW846 3020A	SW846 6020
Chromium	33	2.1	6.9		10	ug/L		11/15/04	SW846 3020A	SW846 6020
Chromium, Hexavalent	< 2.7	2.7	9.0		1	ug/L	C	11/05/04	SM 3500 Cr-D	SM 3500 Cr-D
Lead	2.8	0.67	2.2		10	ug/L		11/15/04	SW846 3020A	SW846 6020
Mercury	< 0.30	0.30	0.98		5	ug/L	NC	11/15/04	EPA 245.1	EPA 245.1
Selenium	13	4.7	16		10	ug/L	Q	11/15/04	SW846 3020A	SW846 6020
Silver	< 0.49	0.49	1.6		10	ug/L	C	11/15/04	SW846 3020A	SW846 6020
Cyanide, Total	0.0054	0.0037	0.012		1	mg/L	Q	11/16/04	EPA 335.4	EPA 335.4

En Chem

A Division of Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

Lab Number	TestGroupID	Field ID	Comment
853116-001	M-AG-W	LE TANK	C - Elevated detection limit due to matrix effect.
853116-001	M-CD-W	LE TANK	C - Elevated detection limit due to matrix effect.
853116-001	M-HG-W	LE TANK	C - Elevated detection limit due to matrix effect.
853116-001	W-CR+6-W	LE TANK	C - Elevated detection limit due to matrix effect.

Qualifier Codes

Flag	Applies To	Explanation
A	Inorganic	Analyte is detected in the method blank. Method blank criteria is evaluated to the laboratory method detection limit. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.
B	Inorganic	The analyte has been detected between the method detection limit and the reporting limit.
B	Organic	Analyte is present in the method blank. Method blank criteria is evaluated to the laboratory method detection limit. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.
C	All	Elevated detection limit.
D	All	Analyte value from diluted analysis or surrogate result not applicable due to sample dilution.
E	Inorganic	Estimated concentration due to matrix interferences. During the metals analysis the serial dilution failed to meet the established control limits of 0-10%. The sample concentration is greater than 50 times the IDL for analysis done on the ICP or 100 times the IDL for analysis done on the ICP-MS. The result was flagged with the E qualifier to indicate that a physical interference was observed.
E	Organic	Analyte concentration exceeds calibration range.
F	Inorganic	Due to potential interferences for this analysis by Inductively Coupled Plasma techniques (SW-846 Method 6010), this analyte has been confirmed by and reported from an alternate method.
F	Organic	Surrogate results outside control criteria.
H	All	Preservation, extraction or analysis performed past holding time.
HF	Inorganic	This test is considered a field parameter, and the recommended holding time is 15 minutes from collection. The analysis was performed in the laboratory beyond the recommended holding time.
J	Inorganic	The analyte has been detected between the method detection limit and the reporting limit.
J	Organic	Concentration detected is greater than the method detection limit but less than the reporting limit.
K	Inorganic	Sample received unpreserved. Sample was either preserved at the time of receipt or at the time of sample preparation.
K	Organic	Detection limit may be elevated due to the presence of an unrequested analyte.
L	All	Elevated detection limit due to low sample volume.
M	Organic	Sample pH was greater than 2
N	All	Spiked sample recovery not within control limits.
O	Organic	Sample received overweight.
P	Organic	The relative percent difference between the two columns for detected concentrations was greater than 40%.
Q	All	The analyte has been detected between the limit of detection (LOD) and limit of quantitation (LOQ). The results are qualified due to the uncertainty of analyte concentrations within this range.
S	Organic	The relative percent difference between quantitation and confirmation columns exceeds internal quality control criteria. Because the result is unconfirmed, it has been reported as a non-detect with an elevated detection limit.
U	All	The analyte was not detected at or above the reporting limit.
V	All	Sample received with headspace.
W	All	A second aliquot of sample was analyzed from a container with headspace.
X	All	See Sample Narrative.
&	All	Laboratory Control Spike recovery not within control limits.
*	All	Precision not within control limits.
<	All	The analyte was not detected at or above the reporting limit.
1	Inorganic	Dissolved analyte or filtered analyte greater than total analyte; analyses passed QC based on precision criteria.
2	Inorganic	Dissolved analyte or filtered analyte greater than total analyte; analyses failed QC based on precision criteria.
3	Inorganic	BOD result is estimated due to the BOD blank exceeding the allowable oxygen depletion.
4	Inorganic	BOD duplicate precision not within control limits. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
5	Inorganic	BOD result is estimated due to insufficient oxygen depletion. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
6	Inorganic	BOD laboratory control sample not within control limits. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
7	Inorganic	BOD result is estimated due to complete oxygen depletion. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.

En Chem

A Division of Pace Analytical Services, Inc.

Analysis Summary by Laboratory

1241 Bellevue Street
Green Bay, WI 54302

1090 Kennedy Avenue
Kimberly, WI 54136

853116-001

Test Group Name

ARSENIC	G
BARIUM	G
CADMIUM	G
CHROMIUM	G
CHROMIUM, HEXAVALENT	G
CYANIDE, TOTAL	G
LEAD	G
MERCURY	K
SELENIUM	G
SILVER	G

Wisconsin Certification

G = En Chem Green Bay	405132750 / DATCP: 105 000444
K = En Chem Kimberly	445134030
S = En Chem Superior	Not Applicable
C = Subcontracted Analysis	

En Chem, Inc. Cooler Receipt Log

Batch No. 853116

Project Name or ID 59056.00

No. of Coolers: 1 Temps: ROI

A. Receipt Phase: Date cooler was opened: 11-5-04 By: GD

- 1: Were samples received on ice? (Must be ≤ 6 C)..... YES NO² NA
- 2: Was there a Temperature Blank?..... YES NO
- 3: Were custody seals present and intact on cooler? (Record on COC)..... YES NO
- 4: Are COC documents present?..... YES NO²
- 5: Does this Project require quick turn around analysis?..... YES NO
- 6: Is there any sub-work?..... YES NO
- 7: Are there any short hold time tests?..... YES NO
- 8: Are any samples nearing expiration of hold-time? (Within 2 days)..... YES¹ NO Contacted by/Who WET
- 9: Do any samples need to be Filtered or Preserved in the lab?..... YES¹ NO Contacted by/Who _____

B. Check-in Phase: Date samples were Checked-in: 11-5-04 By: GD

- 1: Were all sample containers listed on the COC received and intact?..... YES NO² NA
- 2: Sign the COC as received by En Chem. Completed..... YES NO
- 3: Do sample labels match the COC? YES NO²
- 4: Completed pH check on preserved samples..... YES NO NA
(This statement does not apply to water: VOC, O&G, TOC, DRO, Total Rec. Phenolics)
- 5: Do samples have correct chemical preservation?..... YES NO² NA
(This statement does not apply to water: VOC, O&G, TOC, DRO, Total Rec. Phenolics)
- 6: Are dissolved parameters field filtered?..... YES NO² NA
- 7: Are sample volumes adequate for tests requested? YES NO²
- 8: Are VOC samples free of bubbles >6mm YES NO² NA
- 9: Enter samples into logbook. Completed..... YES NO
- 10: Place laboratory sample number on all containers and COC. Completed..... YES NO
- 11: Complete Laboratory Tracking Sheet (LTS). Completed..... YES NO NA
- 12: Start Nonconformance form. YES NO NA
- 13: Initiate Subcontracting procedure. Completed..... YES NO NA
- 14: Check laboratory sample number on all containers and COC. DES YES NO NA

Short Hold-time tests:

24 Hours or less Coliform Corrosivity = pH Dissolved Oxygen <input checked="" type="radio"/> Hexavalent Chromium HPC Ferrous Iron Eh Odor Residual Chlorine Sulfite	48 Hours BOD Color Nitrite or Nitrate Ortho Phosphorus Surfactants Turbidity En Core Preservation Power stop preservation	7 days Ash Aqueous Extractable Organics- ALL Flashpoint Free Liquids Sulfide TDS TSS Total Solids TVS TVSS Unpreserved VOC's	Footnotes 1 Notify proper lab group immediately. 2 Complete nonconformance memo.
---	---	---	--

Rev. 2/05/04, Attachment to 1-REC-5.
Subject to QA Audit.

Reviewed by/date CB/11/8/04

029V

(Please Print Legibly)
 Company Name: Liesch Environmental
 Branch or Location: Madison WI
 Project Contact: Brandon Nikolish
 Telephone: 608-223-1532
 Project Number: 59056.00
 Project Name: Reservoir
 Project State: WI
 Sampled By (Print): Eric Elsted



1241 Bellevue St., Suite 9
 Green Bay, WI 54302
 920-469-2436
 Fax 920-469-8827

CHAIN OF CUSTODY No 120052

Page 1 of 1

*Preservation Codes
 A=None B=HCL C=H2SO4 D=HNO3 E=EnCore F=Methanol G=NaOH
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other
 FILTERED? (YES/NO) N N N N
 PRESERVATION (CODE)* G A D P

Quote #:
 Mail Report To: Brandon Nikolish
 Company: Liesch Environmental
 Address: Same as
 Invoice To: Other
 Company: SIAD
 Address:
 Mail Invoice To: Brandon Nikolish

Data Package Options - (please circle if requested)
 Sample Results Only (no QC)
 EPA Level II (Subject to Surcharge)
 EPA Level III (Subject to Surcharge)
 EPA Level IV (Subject to Surcharge)

Regulatory Program
 UST
 RCRA
 SDWA
 NPDES
 CERCLA
 Matrix Codes
 W=Water
 S=Soil
 A=Air
 C=Charcoal
 B=Biota
 SI=Sludge

ANALYSES REQUESTED
Cyanide
Hexachrome
RCRA Metals
Metals 43.7 mercury
 TOTAL # OF BOTTLES SENT

LABORATORY ID (Lab Use Only)	FIELD ID	COLLECTION		MATRIX	ANALYSES REQUESTED				TOTAL # OF BOTTLES SENT	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)
		DATE	TIME		C	D	E	F			
001	1.e Tank	11/4/04	1400	W	X	X	X	X	4		3-500ml C-D 1-A 1-250ml G

Rush Turnaround Time Requested (TAT) - Prelim
 (Rush TAT subject to approval/surcharge)
 Date Needed:
 Transmit Prelim Rush Results by (circle):
 Phone Fax E-Mail
 Phone #:
 Fax #:
 E-Mail Address:
 Samples on HOLD are subject to special pricing and release of liability

Relinquished By: Eric Elsted Date/Time: 11/4/04 1500
 Relinquished By:
 Relinquished By: Dunham Date/Time:
 Relinquished By:
 Relinquished By:

Received By: [Signature] Date/Time: 11/4/04 1500
 Received By:
 Received By: [Signature] Date/Time: 11/5/04 0830
 Received By:

En Chem Project No. 853116
 Sample Receipt Temp. ROF
 Sample Receipt pH Adjusted HNO3 by LAB
 Cooler Custody Seal
 Present / (Not Present)
 Intact / Not Intact