

THE VILLAGE OF FRANKLIN PARK

AMENDMENT #1

**BID SPECIFICATIONS
FOR
SOIL REMEDIATION**

DOWNTOWN FRANKLIN AVENUE REDEVELOPMENT SITE

**PHASE 2 REDEVELOPMENT AREA
9602-9624 FRANKLIN AVENUE
Franklin Park, Illinois**

DECEMBER 1, 2011

AMENDMENT #1

BID SPECIFICATIONS FOR SOIL REMEDIATION PHASE 2 REDEVELOPMENT AREA FRANKLIN PARK, ILLINOIS

INTRODUCTION

On behalf of the Village of Franklin Park, V3 Companies (V3 or the "Engineer") has prepared this Amendment #1 to the initial bid offering dated November 17, 2011, which was published in local media and made available to potential bidders via the Village of Franklin Park web site.

The work scope and terms and conditions of the original bid offering remain unchanged, except by this Amendment #1. Following are the amended sections and work scope items from the initial bid offering.

SOIL REMEDIATION CONTRACTOR WORK SCOPE – Amended

Item 12 is no longer applicable and is hereby removed from the Soil Remediation work scope:

- ~~12. Knock down and grade smooth the edges of the remediation excavations to a safe slope. CONTRACTOR to determine what is a safe slope, per applicable Federal, State and Local specifications, codes and guidelines.~~

Bidder shall also strike out Item 11 on the "Soil Remediation Bid Form", as it no longer applies.

BACKFILL OF REMEDIATION EXCAVATIONS – Amended

1. Rain water present in the remediation excavations can remain in the excavations.
2. CONTRACTOR shall provide, transport and place suitable fill materials and top soil into the remediation excavations as soon as possible after the ENGINEER approves the excavations to accept fill materials, as is further described below.
3. CONTRACTOR shall demonstrate that the backfill materials and top soil meet IEPA TACO Tier 1 Residential Remediation Objectives for each separate fill source. CONTRACTOR must provide ENGINEER with written certification from the fill source facility, and/or analytical testing results, and/or other appropriate documentation, indicating that the source materials are TACO Tier 1 "clean" for residential use, before backfilling operations can begin. If requested, ENGINEER can provide technical consultation to CONTRACTOR in this regard.
4. ENGINEER shall review CONTRACTOR'S demonstration of clean fill, and shall determine whether the source material is suitable for use at the site.
5. Fill materials are not required to be compacted to meet a particular engineering proctor. However, CONTRACTOR shall employ sufficient effort during placement of the fill to minimize settlement over time, as the site will be used for general parking, future Village

events and the like. Tracking-in or wheel-rolling the backfill using heavy equipment (trackhoe, rubber-tire loader and the like) is considered “sufficient effort”.

6. CONTRACTOR shall provide and place 8 inches of top soil into the remediation excavations, to match the surrounding ground surface.
7. For estimating purposes, assume that the total volume of imported fill required to bring the excavations up to the existing ground surface is 1,070 cubic yards of material, which is comprised of approximately 970 cubic yards of fill materials and 100 cubic yards of top soil.
8. CONTRACTOR shall grade the site smooth. Village will ultimately seed and maintain the ground surface.
9. Following completion of field activities and prior to project close out, CONTRACTOR shall submit the following to the ENGINEER: Certifications from the source facility or other appropriate data indicating that the fill materials are suitable for use at the site (TACO Tier 1 Residential “clean”); and copies of all load tickets identifying weight or volume of fill and the name and address of the source facility.

AMENDMENT #1

BID FORM BACKFILL OF REMEDIATION EXCAVATIONS

NAME OF FIRM: _____

BID FOR: BACKFILL OF REMEDIATION EXCAVATIONS
PHASE 2 REDEVELOPMENT AREA
FRANKLIN PARK, ILLINOIS

EACH BID SHALL INCLUDE:

- A. THE BID FORM
- B. ALL OTHER ITEMS SPECIFIED IN THE BID SPECIFICATIONS FOR SOIL REMEDIATION

BASE BID: THE BIDDER AGREES TO PERFORM ALL WORK FOR THE ABOVE TRADE, EXCLUSIVE OF ALTERNATE BIDS, FOR THE SUM OF:

\$ _____

UNIT PRICES: Please complete all line items and fill in all open blanks.

ITEM	UNIT	ESTIMATED QUANTITY	Mult.	UNIT PRICE BID	=	ESTIMATED BID PRICE
1. Demonstrate that the backfill materials and top soil meet IEPA TACO Tier 1 Residential Remediation Objectives for all separate sources of fill	Lump Sum	1	X		=	
2. Provide, transport and place suitable fill materials into the remediation excavations	CY	970	X		=	
3. Provide, transport and place 8 inches of top soil over the backfilled remediation excavations, up to ground surface	CY	100	X		=	

SECTION 00030

ADVERTISEMENT FOR BIDS

DOWNTOWN FRANKLIN AVENUE REDEVELOPMENT SITE

THE VILLAGE OF FRANKLIN PARK

PROJECT: The **Soil Remediation Project** consists of excavating and transporting contaminated soils from the project Site to a landfill that is permitted for accepting special non-hazardous wastes.

BID DEADLINE: **Thursday, December 1, 2011, at 10:00 a.m. LOCAL TIME.** The Village reserves the right to extend the Bid Deadline from this date and time to accept Bids submitted after the Bid Deadline, as the Village, in its sole discretion, determines is in the best interest of the Village.

NOTICE: Sealed proposals for the **Soil Remediation Project** will be received by The Village of Franklin Park, Illinois, **at the office of the Village Clerk, 9500 Belmont Avenue, Franklin Park, Illinois 60131**, until the Bid Deadline. Immediately thereafter, the proposals will be publicly opened and read aloud. Notwithstanding the foregoing, the Village reserves the right to defer, postpone, delay, or reschedule the Bid Opening for such time and to such date as the Village, in its sole discretion, determines is in the best interest of the Village.

BID SECURITY: Bid Security in the amount of not less than five (5) percent of the Bid shall accompany each Bid in the form of bid bond, cash, certified check, cashier's check or draft payable to The Village of Franklin Park.

CONTRACT SECURITY: The Bidder to whom a Contract is awarded shall be required to furnish either both a Performance Bond and a Payment Bond or an Irrevocable Letter of Credit acceptable to the Village for 100 percent of the Contract Price, in accordance with the requirements of the Contract Documents.

RIGHTS RESERVED: The Village reserves the right to reject any and all Bids or award each schedule individually, to waive any informalities or technicalities in bidding, and to accept the Bid which best serves the interests of the Village. The Village shall, in its sole discretion, determine what does or does not constitute an informality or technicality, and, in submitting a Bid, the Bidder agrees to be bound by that determination.

WAGE RATES AND INSURANCE: The successful Bidder will be required to furnish certificates and policies of insurance as required by Article 5, Section 00800. CONTRACTORS must provide Certified Monthly Payroll Reports showing compliance with the State's current Prevailing Wage Ordinance.

CONTRACT DOCUMENTS: The Bidding Documents may be obtained from the Village of Franklin Park web page: http://www.villageoffranklinpark.com/government/bids_rfp/. In addition, a hard copy of the Request for Proposal document may be obtained from:

Village of Franklin Park, Clerk's Office
9500 West Belmont Avenue
Franklin Park, IL 60131

**PUBLISHED BY THE AUTHORITY OF THE VILLAGE OF FRANKLIN PARK, ILLINOIS,
COOK COUNTY Published Thursday November 17, 2011.**

SECTION 00100

INSTRUCTIONS TO BIDDERS

ARTICLE 1. Defined Terms.

Terms used in these Instructions to Bidders which are defined in the Standard General Conditions of the Construction Contract (No. C-700, 2002 Edition) have the meanings assigned to them in the General Conditions. The term "Bidder" means one who submits a Bid directly to the OWNER, as distinct from a sub-bidder, who submits a bid to a Bidder. The term "Successful Bidder" means the lowest, qualified, responsible and responsive Bidder to whom OWNER (on the basis of OWNER'S evaluation as hereinafter provided) makes an award. The term "Bidding Documents" includes the Advertisement for Bids, Instructions to Bidders, the Bid Form, and the proposed Contract Documents (including all Addenda issued prior to receipt of Bids).

ARTICLE 2. Copies of Bidding Documents.

2.1 Complete sets of the Bidding Documents may be obtained from the office of the Inspectional Services Department, 9500 Belmont Avenue, Franklin Park, Illinois.

2.2 Complete sets of Bidding Documents must be used in preparing Bids; neither OWNER nor OWNER'S REPRESENTATIVE assume any responsibility for errors or misinterpretations resulting from the use of incomplete sets of Bidding Documents.

2.3 OWNER and OWNER'S REPRESENTATIVE in making copies of Bidding Documents available on the above terms do so only for the purpose of obtaining Bids on the Work and do not confer a license or grant for any other use.

ARTICLE 3. Determination of Responsible Bidders.

3.1 In determining which bidder is a "responsible bidder" for a competitive construction contract in excess of \$20,000.00, a bidder must comply with the following, and submit acceptable evidence of such compliance, in addition to any other requirement as determined from time to time by the Village for the specific type of work to be performed or unless such different criteria for determining a responsible bidder for a particular project has been determined or a different standard or guideline is required by law, established by a state or federal agency or pursuant to a grant requirement:

3.1.1. Compliance with all applicable laws prerequisite to doing business in the State of Illinois and the Village;

3.1.2. Evidence of compliance with all applicable federal and state laws, as from time to time amended and supplemented;

3.1.3. Proof of insurance indicating compliance with minimum insurance coverage limits established by the Village, including but not limited

to such applicable coverage in the following categories: general liability, worker's compensation, operations, product liability, automobile or professional liability;

- 3.1.4. Certification to comply with all applicable provisions of the Illinois Prevailing Wage Act for those projects meeting the definitions of the construction of public works, as from time to time supplemented and amended;
- 3.1.5. Certification that the bidder is not barred from bidding or contracting with the State of Illinois or Village;
- 3.1.6. Evidence that the bidder has the financial ability, experience and equipment to discharge contractual obligations in accordance with expectations and demands of the project;
- 3.1.7. No delinquency in payment to the Village of any funds due;
- 3.1.8. Submission of no less than three (3) references on projects of a similar nature performed in the past five (5) years, including but not limited to the name, address and telephone number of the contact person having knowledge of the project along with references with the knowledge of the integrity and business practice of the bidder;
- 3.1.9. Ability to obtain performance bonds from a credible surety company; or
- 3.1.10. For such contract award in an amount greater than \$500,000.00, proof of participation or active participation in an apprenticeship or training programs approved by and registered with the United States Department of Labor's Bureau of Apprenticeship and Training by bidder for work contemplated under the contract.
- 3.1.11. The names and technical experience of personnel guaranteed to be employed in the responsible charge of the Work stating whether the personnel have or have not performed satisfactorily on other Contracts of like nature and magnitude or comparable difficulty at similar rate of progress.
- 3.1.12. Such additional information as will assist OWNER in determining whether the Bidder is adequately prepared to fulfill the Contract.
- 3.2. The object of the request for the qualification of Bidder is not to discourage bidding or make it difficult for qualified Bidders to file Bids. Neither is it intended to discourage beginning Contractors. It is intended to make it possible for OWNER to have exact information on financial ability, equipment, and experience in order to reduce the hazards involved in awarding Contracts to parties who may not be qualified to perform the Work as specified.

- 3.3 OWNER'S decision as to qualification of the Bidder shall be final. In no way shall the failure by Village staff or the Corporate Authorities to consider any or all of the above referenced guidelines or to verify same invalidate an award or inhibit the discretion of the Corporate Authorities.

ARTICLE 4. Examination of Contract Documents and Site.

- 4.1 It is the responsibility of each Bidder before submitting a Bid, to (a) examine the Contract Documents thoroughly, (b) visit the site to become familiar with location conditions that may affect cost, progress, performance or furnishing of the Work, (c) consider Federal, state and local Laws and Regulations that may affect cost, progress, performance or furnishing of the Work, (d) study and carefully correlate Bidder's observations with the Contract Documents, and (e) notify OWNER'S REPRESENTATIVE of all conflicts, errors or discrepancies in the Contract Documents.
- 4.2. Reference is made to the Supplementary Conditions for identification of:
- 4.2.1. If undertaken, those reports of explorations and tests of subsurface conditions at the site which have been utilized by OWNER'S REPRESENTATIVE in preparation of the Contract documents. Bidder may rely upon the accuracy of the technical data contained in such reports but not upon non-technical data, interpretations or opinions contained therein or for the completeness thereof for the purposes of bidding or construction.
- 4.2.2. Those drawings of physical conditions in or relating to existing surface or subsurface conditions (except Underground Facilities) which are at or contiguous to the site which have been utilized by OWNER'S REPRESENTATIVE in preparation of the Contract Documents. Bidder may rely upon the accuracy of the technical data contained in such drawings but not upon the completeness thereof for the purposes of bidding or construction.

Copies of such reports and drawings will be made available by OWNER to any Bidder on request. Those reports and drawings are not part of the Contract Documents, but the technical data contained therein upon which Bidder is entitled to rely as provided in Paragraphs 4.2.2. are incorporated therein by reference. Such technical data has been identified and established in the Supplementary Conditions.

- 4.3. Information and data reflected in the Contract Documents with respect to Underground Facilities at or contiguous to the site is based upon information and data furnished to OWNER and OWNER'S REPRESENTATIVE by owners of such Underground Facilities or others, and OWNER does not assume responsibility for the accuracy or completeness thereof unless it is expressly provided otherwise in the Supplementary Conditions.
- 4.4 Provisions concerning responsibilities for the adequacy of data furnished to prospective Bidders on subsurface conditions, underground facilities and other physical conditions, and possible changes in the other physical conditions, and

possible changes in the Contract Documents due to differing conditions appear in Paragraphs 4.02.and 4.03. of the General Conditions.

- 4.5. Before submitting a Bid, each Bidder will, at Bidder's own expense, make or obtain any additional examinations, investigations, explorations, tests and studies and obtain any additional information and data which pertain to the physical conditions (surface, sub-surface and Underground Facilities) at or contiguous to the site or otherwise which may affect cost, progress, performance or furnishing of the work and which Bidder deems necessary to determine its Bid for performing and furnishing the Work in accordance with the time, price and other terms and conditions of the Contract Documents.
- 4.6. On request in advance, OWNER will provide each Bidder access to the site to conduct such explorations and tests as each Bidder deems necessary for submission of a Bid. Bidder shall fill all holes, clean up and restore the site to its former condition upon completion of such explorations.
- 4.7 The lands upon which the Work is to be performed, rights-of-way and easements for access thereto and other lands designated for use by Contractor in performing the Work are identified in the Contract Documents. All additional lands and access thereto required for temporary construction facilities or storage of materials and equipment are to be provided by Contractor. Easements for permanent structures or permanent changes in existing structures are to be obtained and paid for by Owner unless otherwise provided in the Contract Documents.
- 4.8 The submission of a Bid will constitute an incontrovertible representation by Bidder that Bidder has complied with every requirement of the Article 4, that without exception the Bid is premised upon performing and furnishing the Work required by the Contract Documents and such means, methods, techniques, sequences or procedures of construction as may be indicated in or required by the Contract Documents, and that the Contract Documents are sufficient in scope and detail to indicate and convey understanding of all terms and conditions for performance and furnishing of the Work.

ARTICLE 5. Interpretations and Addenda.

- 5.1. All questions about the meaning or intent of the Contract Documents are to be directed in writing to OWNER'S REPRESENTATIVE. Interpretations or clarifications considered necessary by OWNER'S REPRESENTATIVE in response to such questions will be issued by Addenda mailed or delivered to all parties recorded by OWNER'S REPRESENTATIVE as having received the Bidding Documents. Questions received less than ten days prior to the date for opening of Bids may not be answered. Only questions answered by formal written Addenda will be binding. Oral and other interpretations or clarifications will not be given except as part of any pre-bid conference, or, if given, will be without legal effect.
- 5.2 Addenda may also be issued to modify the Bidding Documents as deemed advisable by OWNER or OWNER'S REPRESENTATIVE.

ARTICLE 6. Bid Security.

- 6.1. Each Bid must be accompanied by Bid security made payable to OWNER in an amount of five percent of the Bidder's maximum Bid price and in the form of a bond, cash, certified check, cashier's check or draft payable to The Village of Franklin Park.
- 6.2. The Bid security of the Successful Bidder will be retained until such Bidder has executed the Contract and furnished the required contract security, whereupon the Bid security will be returned. If the Successful Bidder fails to execute and deliver the Contract and furnish the required contract security within ten days after the Notice of Award, OWNER may annul the Notice of Award and the Bid security of that Bidder will be forfeited. The Bid security of other Bidders whom OWNER believes to have a reasonable chance of receiving the award may be retained by OWNER until the seventh day after the Effective Date of the Contract, whereupon Bid security furnished by such Bidders will be returned. Bid security with Bids which are not competitive will be returned within seven days after the Bid opening.

ARTICLE 7. Contract Time.

The numbers of days within which, or the dates by which, the Work is to be substantially completed and also completed and ready for final payment (the Contract Time) are set forth in the Bid Form and the Contract.

ARTICLE 8. Liquidated Damages.

Provisions for liquidated damages are set forth in the General or Supplementary Conditions, Bid Form and Contract.

ARTICLE 9. Substitute or "Or-Equal" Items.

The Contract, if awarded, will be on the basis of materials and equipment described in the drawings or specified in the specifications without consideration of possible substitute or "or-equal" items. Whenever it is indicated in the Drawings or specified in the Specifications that a substitute or "or-equal" item of material or equipment may be furnished or used by CONTRACTOR if acceptable to OWNER'S REPRESENTATIVE application for such acceptance will not be considered by OWNER'S REPRESENTATIVE until after the Effective Date of the Contract. The procedure for submission of any such application by CONTRACTOR and consideration by OWNER'S REPRESENTATIVE is set forth in Paragraph 6.05 of the General Conditions and may be supplemented in the General Requirements.

ARTICLE 10. Subcontractors, Suppliers and Others.

10.1 If OWNER requests the identity of any Subcontractors, Suppliers, or other persons or organizations to be submitted to OWNER in advance of the specified date prior to the Effective Date of the Contract, the apparent Successful Bidder, and any other Bidder so requested, shall within seven days after the Bid opening submit to OWNER a list of all such Subcontractors, Suppliers and other persons and organizations proposed for those portions of the Work for which such identification is required. Such list shall be

accompanied by an experience statement with pertinent information regarding similar projects and other evidence of qualification for each such Subcontractor, Supplier, person or organization if requested by OWNER. If OWNER or OWNER'S REPRESENTATIVE after due investigation have reasonable objection to any proposed Subcontractor, Supplier, other person or organization, either may before the Notice of Award is given request the apparent Successful Bidder to submit an acceptable substitute in which case the apparent Successful Bidder shall submit an acceptable substitute, that Bidder's Bid price will be increased (or decreased) by the difference in cost occasioned by such substitution and OWNER may consider such price adjustment in evaluating Bids and making the contract award.

If apparent Successful Bidder declines to make any such substitution, OWNER may award the contract to the next lowest Bidder that proposes to use acceptable Subcontractors, Suppliers and other persons and organizations. The declining to make requested substitutions will not constitute grounds for sacrificing the Bid security of any Bidder. Any Subcontractor, Supplier, other person or organization listed and to whom OWNER or OWNER'S REPRESENTATIVE does not make written objection prior to the giving of the Notice of Award will be deemed acceptable to OWNER and OWNER'S REPRESENTATIVE subject to revocation of such acceptance after the Effective Date of the Contract as provided in Paragraph 6.06.B. of the General Conditions.

10.2. In contracts where the Contract Price is on the basis of Cost-of-the-Work Plus a Fee, the apparent Successful Bidder, prior to the Notice of Award, shall identify in writing to OWNER those portions of the Work that such Bidder proposes to subcontract and after the Notice of Award may only subcontract other portions of the Work with OWNER'S written consent.

10.3. No CONTRACTOR shall be required to employ any Subcontractor, Supplier, other person or organization against whom CONTRACTOR has reasonable objection.

ARTICLE 11. Bid Form.

11.1. The Bid Form is included with the Bidding Documents; additional copies may be obtained from OWNER'S REPRESENTATIVE (or the issuing office).

11.2. All blanks on the Bid Form must be completed in ink or by typewriter.

11.3. Bids by corporations must be executed in the corporate name by the president or a vice-president (or other corporate office accompanied by evidence of authority to sign) and the corporate seal must be affixed and attested by the secretary or an assistant secretary. The corporate address and state of incorporation must be shown below the signature.

11.4 Bids by partnerships must be executed in the partnership name and signed by a partner, whose title must appear under the signature and the official address of the partnership must be shown below the signature.

11.5. All names must be typed or printed below the signature.

11.6. The Bid shall contain an acknowledgment of receipt of all Addenda (the numbers of which must be filled in on the Bid Form).

11.7. The address and telephone number for communications regarding the Bid must be shown.

ARTICLE 12. Submission of Bids.

Bids shall be submitted at the time and place indicated in, and according to, the Advertisement or Invitation to Bid and shall be enclosed in an opaque sealed envelope, marked with the Project title (and, if applicable, the designated portion of the Project for which the Bid is submitted) and name and address of the Bidder and accompanied by the Bid security and other required documents. If the Bid is sent through the mail or other delivery system, the sealed envelope shall be enclosed in a separate envelope with the notation "BID ENCLOSED" on the face of it.

ARTICLE 13. Modification and Withdrawal of Bids.

13.1. Bids may be modified or withdrawn by notice to the party receiving Bids at the place designated for receipt of Bids any time prior to opening of Bids. Such notice shall be in writing over the signature of the Bidder or by telegram; if by telegram, written confirmation over the signature of the Bidder shall be mailed and postmarked on or before the date and time set for receipt of Bids, and it shall be so worded as not to reveal the amount of the original Bid.

13.2. Withdrawn Bids may be resubmitted up to the time designated for the receipt of Bids provided that they are then fully in conformance with these Instructions to Bidders.

13.3. After the Bid opening, no Bid may be modified, withdrawn, or canceled by the Bidder during the time period noted in Article 15 without consent of the OWNER.

13.4. Bid Security shall be in an amount sufficient for the Bid as modified or resubmitted.

ARTICLE 14. Opening of Bids.

Bids will be opened and (unless obviously non-responsive) read aloud publicly. An abstract of the amounts of the base Bids and major alternates (if any) will be made available to Bidders after the opening of Bids.

ARTICLE 15. Bids to Remain Subject to Acceptance.

All bids will remain subject to acceptance for thirty days after the date of the Bid opening, but OWNER may, in its sole discretion, release any Bid and return the Bid security prior to that date.

ARTICLE 16. Award of Contract.

16.1 OWNER reserves the right to reject any and all Bids, to waive any and all informalities not involving price, time or changes in the Work and to negotiate contract

terms with the successful Bidder, and the right to disregard all nonconforming, nonresponsive, unbalanced or conditional Bids. Also, OWNER reserves the right to reject the Bid of any Bidder if OWNER believes that it would not be in the best interest of the Project to make an award to that Bidder, whether because the Bid is not responsive or the Bidder is unqualified or of doubtful financial ability or fails to meet any other pertinent standard of criteria established by OWNER. Discrepancies in the multiplication of units of Work and unit prices will be resolved in favor of the unit prices. Discrepancies between the indicated sum of any column of figures and the correct sum thereof will be resolved in favor of the correct sum.

16.2. In evaluating Bids, OWNER will consider the qualifications of the Bidders, whether or not the Bids comply with the prescribed requirements, and such alternates, unit prices and other data, as may be requested in the Bid form or prior to the Notice of Award.

16.3. OWNER may consider the qualifications and experience of Subcontractors, Suppliers, and other persons and organizations proposed for those portions of the Work as to which the identity of Subcontractors, Suppliers, and other persons and organizations must be submitted as provided in the Supplementary Conditions. OWNER also may consider the operating costs, maintenance requirements, performance data and guarantees of major items of materials and equipment proposed for incorporation in the Work when such data is required to be submitted prior to the Notice of Award.

16.4. OWNER may conduct such investigations as OWNER deems necessary to assist in the evaluation of any Bid and to establish the responsibility, qualifications and financial ability of Bidders, proposed Subcontractors, Suppliers and other persons and organizations to perform and furnish the Work in accordance with the Contract Documents to OWNER'S satisfaction within the prescribed time.

16.5. If the contract is to be awarded, it will be awarded to the lowest Bidder whose evaluation by OWNER indicates to OWNER that the award will be in the best interest of the Project.

16.6. If the contract is to be awarded, OWNER will give the successful Bidder a Notice of Award within thirty days after the day of the Bid opening.

16.7. OWNER reserves the right to reject any and all bids for the project.

ARTICLE 17. Contract Security.

Paragraphs 5.01.A., and 5.01.B. of the General Conditions and the Supplementary Conditions set forth OWNER'S requirements as to performance and payment Bonds. When the Successful Bidder delivers the executed Contract to OWNER, it must be accompanied by the required performance and payment Bonds or cash, certified check payable to The Village of Franklin Park or an Irrevocable Letter of Credit for 100 percent of the Contract Price.

ARTICLE 18. Signing of Contract.

When OWNER gives a Notice of Award to the Successful Bidder, it will be accompanied by the required number of unsigned counterparts of the Contract with all other written

Contract Documents attached. Within ten days thereafter CONTRACTOR shall sign and deliver the required number of counterparts of the Contract and attached documents to OWNER with the required Bonds. Within ten days thereafter OWNER shall deliver one fully signed counterpart to CONTRACTOR. Each counterpart is to be accompanied by a complete set of the Drawings with appropriate identification.

ARTICLE 19. Wage Rates.

Each CONTRACTOR or Subcontractor performing Work on this Project shall comply in all respects with all laws governing the employment of labor, Social Security, and Unemployment Insurance of both the State and Federal government. There shall be paid each employee engaged in Work under this Contract at the site of the Project, no less than the minimum wage for the classifications of labor employed in compliance with Chapter 48, Section 39s of the Illinois State Statutes regarding "General Prevailing Hourly Rates," a copy of the latest edition of which is hereinafter included. CONTRACTOR shall make his own investigation locally and satisfy himself as to availability of labor.

ARTICLE 20. Sales and Use Taxes.

OWNER is exempt from Illinois State Sales and Use Taxes on materials and equipment to be incorporated in the Work. Said taxes shall not be included in the Contract Price.

ARTICLE 21. Equal Employment Opportunity Requirements.

21.1. In connection with the performance of Work under this Contract CONTRACTOR agrees, and shall require his subcontractors to agree, not to discriminate against or intimidate any employee or applicant for employment because of race, color, creed, sex, religion, physical or mental handicap unrelated to ability.

21.2. In connection with the performance of Work under this Contract, CONTRACTOR agrees, and shall require his subcontractors to agree, to conform to the Rules and Regulations of the Illinois Fair Employment Practices Commission in effect on the date of Bid submission.

ARTICLE 22. Certification.

Bidder shall, at the time of the submission of Bid, and as part of the Bid, provide a certification as required by Public Act 85-1295 to the fact that the Bidder is not barred from bidding on the contract as a result of a violation of either Section 33E-3 or Section 33E-4 of said Act.

ARTICLE 23. Miscellaneous.

All persons, firms and corporation proposing to do business with The Village of Franklin Park are required, as part of the bidding proposal, to furnish the following information to the Village in writing (the term "applicant" as used herein shall mean any person, firm or corporation proposing to enter into a Contract or to do business with The Village of Franklin Park):

23.1. If the applicant is a corporation, the application must be accompanied by a resolution of the corporation authorizing the execution and submittal of the instant application. In addition, the application shall indicate on its face the names of all directors and corporate officers of the corporation and also the names of all shareholders who own individually or beneficially 10% or more of the outstanding stock of the corporation.

23.2. If the applicant is a general partnership, the application shall contain a list of all general partners who have a 10% or greater individual or beneficial interest in the partnership.

23.3. If the applicant is a limited partnership, the application shall contain a list of all the names of general partners and names of all limited partners having a 10% or greater individual or beneficial interest in the partnership.

23.4. If the applicant is a land trust or any other trust, the application shall contain the names and addresses of all beneficiaries of the trust together with their respective interests in the trusts. The application shall be further verified by the applicant in his capacity of trustee or by the beneficiary as a beneficial owner of an interest in the trust and the application shall be signed individually by as many beneficiaries as are necessary to constitute greater than 50% ownership of the beneficial interest of the trust.

23.5. A statement setting forth the type and nature of any relationship or business between the applicant as hereinbefore defined and The Village of Franklin Park or any of the boards, committees or commissions.

The forgoing information will become part of any Contract entered into with The Village of Franklin Park.

* * * END OF SECTION * * *

SECTION 00300

BID FORM

PROJECT IDENTIFICATION:

SOIL REMEDIATION PROJECT

THIS BID IS SUBMITTED TO:

The Village of Franklin Park
9500 Belmont Avenue
Franklin Park, Illinois 60131

1. The undersigned BIDDER proposes and agrees, if this Bid is accepted, to enter into a Contract with OWNER in the form included in the Contract Documents to perform and furnish all Work as specified or indicated in the Contract Documents for the Contract Price and within the Contract time indicated in his Bid and in accordance with the other terms and conditions of the Contract Documents.
2. BIDDER accepts all of the terms and conditions of the Advertisement for Bids and Instructions to Bidders, including without limitation those dealing with the disposition of Bid security. This Bid will remain subject to acceptance as outlined in the Instructions to Bidders after the day of Bid opening. Bidder will sign and submit the Contract with the Bonds and other documents required by the Bidding Requirements within ten days after the date of OWNER'S Notice of Award.
3. In submitting this Bid, BIDDER represents, as more fully set forth in the Contract, that:

- a. Bidder has examined copies of all the Bidding Documents and of the following Addenda (receipt of all which is hereby acknowledged):

<u>DATE</u>	<u>NUMBER</u>
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- b. BIDDER has familiarized itself with the nature and extent of the Contract Documents, Work, site, locality, and all local conditions and Laws and Regulations that in any manner may affect cost, progress, performance or furnishing of the Work.
- c. BIDDER has studied carefully all reports and drawings of subsurface conditions and drawings of physical conditions which are identified in the Supplementary Conditions as provided in paragraph 4.02 of the General Conditions, and accepts the determination set forth in paragraph SC-4.02.C of the Supplementary Conditions of the extent of the technical data contained in such reports and drawings upon which BIDDER is entitled to rely.
- d. BIDDER has obtained and carefully studied (or assumes responsibility for obtaining and carefully studying) all such examinations, investigations, explorations, tests and studies (in addition to or to supplement those referred to in (c) above) which pertain to the subsurface or physical conditions at the site or otherwise may affect the cost, progress, performance or furnishing of the work as BIDDER considers necessary for the performance or furnishing of the work at the Contract Price, within the Contract Time and in accordance with the other terms and conditions of the Contract documents, including specifically the provisions of paragraph 4.02 of the General Conditions; and no additional examinations, investigations, explorations, tests, reports or similar information or data we or will be required by BIDDER for such purposes.

- e. BIDDER has reviewed and checked all information and data shown or indicated on the Contract Documents with respect to existing Underground Facilities. No additional examinations, investigations, explorations, tests, reports or similar information or data in respect of said Underground Facilities are or will be required by BIDDER in order to perform and furnish the Work at the Contract Price, within the Contract Time and in accordance with the other terms and conditions of the Contract Documents, including specifically the provisions of paragraph 4.04 of the General Conditions.
 - f. BIDDER has correlated the results of all such observations examinations, investigations, explorations, tests, reports and studies with the terms and conditions of the Contract Documents.
 - g. BIDDER has given OWNER'S REPRESENTATIVE written notice of all conflicts, errors or discrepancies that it has discovered in the Contract Documents and the written resolution thereof by OWNER'S REPRESENTATIVE is acceptable to BIDDER.
 - h. This Bid is genuine and not made in the interest of or on behalf of any undisclosed person, firm or corporation and is not submitted in conformity with any agreement or rules of any group, association, organization or corporation; BIDDER has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid; BIDDER has not solicited or induced any person, firm or corporation to refrain from bidding; and BIDDER has not sought by collusion to obtain for itself any advantage over any other Bidder or over OWNER.
4. BIDDER will complete the Work for the following price, according to the BID SPECIFICATIONS FOR SOIL REMEDIATION and SOIL REMEDIATION BID FORM. Measurement and Payment Requirements are contained therein.

Total Bid Amount \$ _____

5. BIDDER agrees that the Work will be substantially complete by _____, and completed and ready for final payment by _____.

Bidder accepts the provisions of the Contract as to liquidated damages in the event of failure to complete the Work on time.

Owner reserves the right to reject any Bid in which all of the items in the Bid are not properly filled out.

6. The following documents are attached to and made a condition of this Bid:

a. Required Bid Security in the form of _____

(Contract Security as identified in Advertisement for Bids)

in the amount of _____

(Dollars or Percent)

b. A tabulation of Subcontractors and other persons and organizations required to be identified in this Bid in accordance with state laws applicable where the Work is to be performed.

c. Statement of the Bidder's qualification to do business in the state where the Project is located or covenant to obtain such qualification prior to the award of the Contract.

7. Communications concerning this Bid shall be addressed to the Bidder as indicated below:

NAME: _____

ADDRESS: _____

STATE: _____

TELEPHONE NO: _____

8. The terms used in the Bid which are defined in the General Conditions of the Construction Contract included as part of the Contract Documents have the meanings assigned to them in the General Conditions.

9. _____, having submitted a bid on a contract
(Name of Contractor)

for the **SOIL REMEDIATION PROJECT**, as generally described in the Advertisement for Bids, to The Village of Franklin Park hereby certifies that said contractor is not barred from bidding on the aforementioned contract as a result of a violation of either Section 33E-3 or 33E-4 of Article 33E of Chapter 38 of the Illinois Revised Statutes.

BY: _____
Authorized Agent of Contractor

Subscribed and sworn to before me
this ____ day of _____, 20__.

Notary Public

SUBMITTED ON _____, 20__.

CONTRACTOR'S LICENSE NO. _____

I hereby certify that, as Bidder, I/We have examined and carefully prepared this Bid from the Bidding Documents and have checked the same in detail before submitting this Bid, and that all statements herein are made on behalf of:

An Individual

By _____ (SEAL)
(Individual's Name)

doing business as: _____

Business address: _____

Phone No.: _____

Partnership

By _____ (SEAL)
(Firm Name)

(General Partner)

Business address: _____

Phone No.: _____

A Corporation

By _____ (SEAL)
(Corporation Name)

(State of Incorporation)

By _____
(Name of Person Authorized to Sign)

(Title)

(Corporate Seal)

Attest _____
(Secretary)

Business address: _____

Phone No.: _____

A Joint Venture

By _____
(Name)

(Address)

By _____
(Name)

(Address)

(Each joint venturer must sign. The manner of signing for each individual, partnership and corporation that is a party to the joint venture should be in the manner indicated above.)

Sworn and subscribed to before me this _____, day of _____, 20__.

Notary or other officer authorized to administer oaths

My commission expires: _____

(Bidders should not add any conditions or qualifying statements to this Bid as otherwise the Bid may be declared irregular as being not responsive to the advertisement. BIDDERS SHALL USE THIS BID FORM IN SUBMITTING THEIR BIDS.)

SECTION 00500

CONTRACT

THIS CONTRACT is dated as of the _____ day of _____ in the year 2011, by and between THE VILLAGE OF FRANKLIN PARK, ILLINOIS (hereinafter called OWNER) and _____ (hereinafter called CONTRACTOR).

OWNER and CONTRACTOR, in consideration of the mutual covenants hereinafter set forth, agree as follows:

ARTICLE 1 - WORK

CONTRACTOR shall complete all Work as specified or indicated in the Contract Documents. The Project for which the Work under the Contract Documents may be the whole or only a part is generally described as follows:

Soil Remediation Project

ARTICLE 2 - OWNER'S REPRESENTATIVE

The Project has been developed by The Village of Franklin Park Inspectional Services Department. The Village of Franklin Park Director of Inspectional Services or his designee is hereinafter called OWNER'S REPRESENTATIVE and who is to act as OWNER'S representative, assume all duties and responsibilities and have the rights and authority assigned to OWNER'S REPRESENTATIVE in the Contract Documents in connection with completion of the Work in accordance with the Contract Documents.

ARTICLE 3 - CONTRACT TIME

- 3.1 The Work will be substantially completed by January 31, 2012 (depending on weather conditions) and completed and ready for final payment in accordance with paragraph 14.07.B.1 of the General Conditions by February 29, 2012 (depending on weather conditions during the field work).
- 3.2 Liquidated Damages. OWNER and CONTRACTOR recognize that time is of the essence on this Contract and that OWNER will suffer financial loss if the Work is not completed within the times specified in paragraph 3.1 above, plus any extensions thereof allowed in accordance with Article 12.02 of the General Conditions. They also recognize the delays, expense and difficulties involved in proving in a legal or arbitration proceeding the actual loss suffered by OWNER if the Work is not completed on time. Accordingly, instead of requiring any such proof, OWNER and CONTRACTOR agree that as liquidated damages for delay (but not as a penalty) CONTRACTOR shall pay OWNER **Five Hundred Dollars (\$500.00)** for each day that expires after the time specified in paragraph 3.1 for Substantial Completion until the Work is substantially complete. After Substantial

Completion if CONTRACTOR shall neglect, refuse or fail to complete the remaining Work within the Contract Time or any proper extension thereof granted by OWNER, CONTRACTOR shall pay OWNER **Two Hundred Dollars (\$200.00)** for each day that expires after the time specified in paragraph 3.1 for completion and readiness for final payment.

- 3.3 The CONTRACTOR agrees to make no claim for damages for delay in the performance of this Contract occasioned by any act or omission to act of The Village of Franklin Park or any of its representatives and agrees that any subject claim shall be fully compensated for by an extension of time to complete the performance of the work as provided herein.

ARTICLE 4- CONTRACT PRICE

- 4.1 OWNER shall pay CONTRACTOR for completion of the Work in accordance with the Contract Documents in current funds as shown on the attached Schedule of Prices from The Village of Franklin Park **Soil Remediation Project** and as accepted by OWNER.

ARTICLE 5- PAYMENT PROCEDURES

CONTRACTOR shall submit Applications for Payment in accordance with Article 14 of the General Conditions. Applications for payment will be processed by OWNER'S REPRESENTATIVE as provided in the General Conditions.

- 5.1 Progress Payments. OWNER will make monthly progress payments on account of the Contract Price on the basis of CONTRACTOR'S Applications for Payment as recommended by OWNER'S REPRESENTATIVE. All progress payments will be on the basis of the progress of Work measure by the schedule of values provided for in the General Conditions and the Supplementary Conditions.
- 5.2 Final Payment. Upon final completion and acceptance of the Work in accordance with paragraph 14.07.B.1 of the General Conditions, OWNER shall pay the remainder of the Contract Price as recommended by OWNER'S REPRESENTATIVE as provided in said paragraph 14.07.B.1.

ARTICLE 6- CONTRACTOR'S REPRESENTATIONS

CONTRACTOR makes the following representations:

- 6.1 CONTRACTOR has familiarized itself with the nature and extent of the Contract Documents, Work, site locality, and all local conditions and Laws and Regulations that in any manner may affect cost, progress, performance or furnishing of the Work.
- 6.2 CONTRACTOR has studied carefully all reports of explorations and tests of subsurface conditions and drawings of physical conditions which are identified in the Supplementary Conditions as provided in paragraph 4.02 of the General Conditions, and accepts the determination set forth in paragraph SC-4.02 of the supplementary Conditions of the extent of the technical data contained in such reports and drawings upon which CONTRACTOR is entitled to reply.

- 6.3 CONTRACTOR has obtained and carefully studied (or assumes responsibility for obtaining and carefully studying) all such examinations, investigations, explorations, tests, reports and studies (in addition to or to supplement those referred to in paragraph 6.2 above) which pertain to the subsurface or physical conditions at or contiguous to the site or otherwise may affect the cost, progress, performance or furnishing of the Work as CONTRACTOR considers necessary for the performance or furnishing of the Work at the Contract Price, within the Contract Time and in accordance with the other terms and conditions of the Contract Documents, including specifically the provisions of paragraph 4.02 of the General Conditions; and no additional examinations, investigations, explorations, tests, reports, studies or similar information or data are or will be required by CONTRACTOR for such purposes.
- 6.4 CONTRACTOR has reviewed and checked all information and data shown or indicated on the Contract Documents with respect to existing Underground Facilities at or contiguous to the site and assumes responsibility for the accurate location of said Underground Facilities. No additional examinations, investigations, explorations, tests, reports, studies or similar information or data in respect of said Underground Facilities are or will be required by CONTRACTOR in order to perform and furnish the Work at the Contract Price, with the Contract Time and in accordance with the other terms and conditions of the Contract Documents, including specifically the provisions of paragraph 4.04 of the General Conditions.
- 6.5 CONTRACTOR has correlated the results of all such observations, examinations, investigations, explorations, tests, reports and studies with the terms and conditions of the Contract Documents.
- 6.6 CONTRACTOR has given OWNER'S REPRESENTATIVE written notice of all conflicts, errors or discrepancies that he has discovered in the Contract Documents and the written resolution thereof by OWNER'S REPRESENTATIVE is acceptable to CONTRACTOR.

ARTICLE 7- CONTRACT DOCUMENTS

The Contract Documents which comprise the entire Contract between OWNER and CONTRACTOR concerning the Work consist of the following:

- 7.1 This Contract
- 7.2 Contract Security
- 7.3 General Conditions
- 7.4 Supplementary Conditions
- 7.5 Project Specifications
- 7.6 Drawings
- 7.7 Addenda

- 7.8 Instructions to Bidders
- 7.9 Advertisement for Bids
- 7.10 CONTRACTOR'S Bid
- 7.11 Documentation submitted by CONTRACTOR prior to Notice of Award
- 7.12 The following which may be delivered or issued after the Effective Date of the Contract and are not attached hereto: All Written Amendments and other documents amending, modifying, or supplementing the Contract Documents pursuant to paragraph 3.04 of the General Conditions.
- 7.13 Wage Rates

There are no Contract Documents other than those listed above in this Article 7. The Contract Documents may only be amended, modified or supplemented as provided in paragraphs 3.04 of the General Conditions.

ARTICLE 8 - MISCELLANEOUS

- 8.1 Terms used in this Contract which are defined in Article 1 of the General Conditions will have the meanings indicated in the General Conditions.
- 8.2 No assignment by a party hereto of any rights under or interests in the Contract Documents will be binding on another party hereto without the written consent of the party sought to be bound; and specifically but without limitation moneys that may become due and moneys that are due may not be assigned without such consent (except to the extent that the effect of this restriction may be limited by law), and unless specifically stated to the contrary in any written consent to an assignment no assignment will release or discharge the assignor from any duty or responsibility under the Contract Documents.
- 8.3 OWNER and CONTRACTOR each binds itself, its partners, successors, assigns and legal representatives to the other party hereto, its partners, successors, assigns and legal representatives in respect of all covenants, agreements and obligations contained in the Contract Documents.
- 8.4 _____
having executed a contract for the **Soil Remediation Project** with The Village of Franklin Park, hereby certifies that said contractor is not barred from executing said contract as a result of a violation of either Section 33E-3 or 33E-4 of Article 33E of Chapter 38 of the Illinois Revised Statutes.

By: _____
Authorized Agent of Contractor

Subscribed and sworn to before me this _____ day of _____,
20____.

Notary Public

IN WITNESS WHEREOF, OWNER and CONTRACTOR have signed this Contract in triplicate. One counterpart each has been delivered to OWNER, CONTRACTOR and OWNER'S REPRESENTATIVE. All portions of the Contract Documents have been signed or identified by OWNER and CONTRACTOR or by OWNER'S REPRESENTATIVE on their behalf.

This Contract will be effective on _____, 20____.

OWNER
THE VILLAGE OF FRANKLIN PARK

CONTRACTOR

BY

BY

[CORPORATE SEAL]

[CORPORATE SEAL]

Attest

Attest

ADDRESS FOR GIVINGNOTICES:

9500 BELMONT AVENUE

FRANKLIN PARK, ILLINOIS 60131

ADDRESS FOR GIVINGNOTICES:

LICENSE NO.

(IF REQUIRED BY STATE OR MUNICIPAL LAW)

PERFORMANCE BOND

Any singular reference to Contractor, Surety, Owner, or other party shall be considered plural where applicable.

CONTRACTOR (Name and Address):

SURETY (Name and Address of Principal Place of Business):

OWNER (Name and Address):

CONTRACT

Date:

Amount:

Description (Name and Location):

BOND

Bond Number:

Date (Not earlier than Contract Date):

Amount:

Modifications to this Bond Form:

Surety and Contractor, intending to be legally bound hereby, subject to the terms printed on the reverse side hereof, do each cause this Performance Bond to be duly executed on its behalf by its authorized officer, agent, or representative.

CONTRACTOR AS PRINCIPAL

Company:

Signature: _____ (Seal)

Name and Title:

SURETY

Surety's Name and Corporate Seal (Seal)

By: _____
Signature and Title
(Attach Power of Attorney)

(Space is provided below for signatures of additional parties, if required.)

Attest: _____
Signature and Title

CONTRACTOR AS PRINCIPAL

Company:

Signature: _____ (Seal)

Name and Title:

SURETY

Surety's Name and Corporate Seal (Seal)

By: _____
Signature and Title
(Attach Power of Attorney)

Attest: _____
Signature and Title:

EJCDC No. C-610 (2002 Edition)

Originally prepared through the joint efforts of the Surety Association of America, Engineers Joint Contract Documents Committee, the Associated General Contractors of America, and the American Institute of Architects.

1. Contractor and Surety, jointly and severally, bind themselves, their heirs, executors, administrators, successors, and assigns to Owner for the performance of the Contract, which is incorporated herein by reference.
2. If Contractor performs the Contract, Surety and Contractor have no obligation under this Bond, except to participate in conferences as provided in Paragraph 3.1.
3. If there is no Owner Default, Surety's obligation under this Bond shall arise after:
 - 3.1. Owner has notified Contractor and Surety, at the addresses described in Paragraph 10 below, that Owner is considering declaring a Contractor Default and has requested and attempted to arrange a conference with Contractor and Surety to be held not later than 15 days after receipt of such notice to discuss methods of performing the Contract. If Owner, Contractor and Surety agree, Contractor shall be allowed a reasonable time to perform the Contract, but such an agreement shall not waive Owner's right, if any, subsequently to declare a Contractor Default; and
 - 3.2. Owner has declared a Contractor Default and formally terminated Contractor's right to complete the Contract. Such Contractor Default shall not be declared earlier than 20 days after Contractor and Surety have received notice as provided in Paragraph 3.1; and
 - 3.3. Owner has agreed to pay the Balance of the Contract Price to:
 1. Surety in accordance with the terms of the Contract;
 2. Another contractor selected pursuant to Paragraph 4.3 to perform the Contract.
4. When Owner has satisfied the conditions of Paragraph 3, Surety shall promptly and at Surety's expense take one of the following actions:
 - 4.1. Arrange for Contractor, with consent of Owner, to perform and complete the Contract; or
 - 4.2. Undertake to perform and complete the Contract itself, through its agents or through independent contractors; or
 - 4.3. Obtain bids or negotiated proposals from qualified contractors acceptable to Owner for a contract for performance and completion of the Contract, arrange for a contract to be prepared for execution by Owner and Contractor selected with Owner's concurrence, to be secured with performance and payment bonds executed by a qualified surety equivalent to the bonds issued on the Contract, and pay to Owner the amount of damages as described in Paragraph 6 in excess of the Balance of the Contract Price incurred by Owner resulting from Contractor Default; or
 - 4.4. Waive its right to perform and complete, arrange for completion, or obtain a new contractor and with reasonable promptness under the circumstances:
 1. After investigation, determine the amount for which it may be liable to Owner and, as soon as practicable after the amount is determined, tender payment therefor to Owner; or
 2. Deny liability in whole or in part and notify Owner citing reasons therefor.
5. If Surety does not proceed as provided in Paragraph 4 with reasonable promptness, Surety shall be deemed to be in default on this Bond 15 days after receipt of an additional written notice from Owner to Surety demanding that Surety perform its obligations under this Bond, and Owner shall be entitled to enforce any remedy available to Owner. If Surety proceeds as provided in Paragraph 4.4, and Owner refuses the payment tendered or Surety has denied liability, in whole or in part, without further notice Owner shall be entitled to enforce any remedy available to Owner.

6. After Owner has terminated Contractor's right to complete the Contract, and if Surety elects to act under Paragraph 4.1, 4.2, or 4.3 above, then the responsibilities of Surety to Owner shall not be greater than those of Contractor under the Contract, and the responsibilities of Owner to Surety shall not be greater than those of Owner under the Contract. To a limit of the amount of this Bond, but subject to commitment by Owner of the Balance of the Contract Price to mitigation of costs and damages on the Contract, Surety is obligated without duplication for:

- 6.1. The responsibilities of Contractor for correction of defective Work and completion of the Contract;
 - 6.2. Additional legal, design professional, and delay costs resulting from Contractor's Default, and resulting from the actions or failure to act of Surety under Paragraph 4; and
 - 6.3. Liquidated damages, or if no liquidated damages are specified in the Contract, actual damages caused by delayed performance or non-performance of Contractor.
7. Surety shall not be liable to Owner or others for obligations of Contractor that are unrelated to the Contract, and the Balance of the Contract Price shall not be reduced or set off on account of any such unrelated obligations. No right of action shall accrue on this Bond to any person or entity other than Owner or its heirs, executors, administrators, or successors.
 8. Surety hereby waives notice of any change, including changes of time, to Contract or to related subcontracts, purchase orders, and other obligations.
 9. Any proceeding, legal or equitable, under this Bond may be instituted in any court of competent jurisdiction in the location in which the Work or part of the Work is located and shall be instituted within two years after Contractor Default or within two years after Contractor ceased working or within two years after Surety refuses or fails to perform its obligations under this Bond, whichever occurs first. If the provisions of this paragraph are void or prohibited by law, the minimum period of limitation available to sureties as a defense in the jurisdiction of the suit shall be applicable.
 10. Notice to Surety, Owner, or Contractor shall be mailed or delivered to the address shown on the signature page.
 11. When this Bond has been furnished to comply with a statutory requirement in the location where the Contract was to be performed, any provision in this Bond conflicting with said statutory requirement shall be deemed deleted herefrom and provisions conforming to such statutory requirement shall be deemed incorporated herein. The intent is that this Bond shall be construed as a statutory bond and not as a common law bond.
 12. Definitions.
 - 12.1. Balance of the Contract Price: The total amount payable by Owner to Contractor under the Contract after all proper adjustments have been made, including allowance to Contractor of any amounts received or to be received by Owner in settlement of insurance or other Claims for damages to which Contractor is entitled, reduced by all valid and proper payments made to or on behalf of Contractor under the Contract.
 - 12.2. Contract: The agreement between Owner and Contractor identified on the signature page, including all Contract Documents and changes thereto.
 - 12.3. Contractor Default: Failure of Contractor, which has neither been remedied nor waived, to perform or otherwise to comply with the terms of the Contract.
 - 12.4. Owner Default: Failure of Owner, which has neither been remedied nor waived, to pay Contractor as required by the Contract or to perform and complete or comply with the other terms thereof.

FOR INFORMATION ONLY – Name, Address and Telephone
 Surety Agency or Broker
 Owner's Representative

PAYMENT BOND

Any singular reference to Contractor, Surety, Owner, or other party shall be considered plural where applicable.

CONTRACTOR (Name and Address):

SURETY (Name and Address of Principal Place of Business):

OWNER (Name and Address):

CONTRACT

Date:

Amount:

Description (Name and Location):

BOND

Bond Number:

Date (Not earlier than Contract Date):

Amount:

Modifications to this Bond Form:

Surety and Contractor, intending to be legally bound hereby, subject to the terms printed on the reverse side hereof, do each cause this Payment Bond to be duly executed on its behalf by its authorized officer, agent, or representative.

CONTRACTOR AS PRINCIPAL

Company:

Signature: _____ (Seal)

Name and Title:

SURETY

(Seal)

Surety's Name and Corporate Seal

By:

Signature and Title

(Attach Power of Attorney)

(Space is provided below for signatures of additional parties, if required.)

Attest:

Signature and Title

CONTRACTOR AS PRINCIPAL

Company:

Signature: _____ (Seal)

Name and Title:

SURETY

(Seal)

Surety's Name and Corporate Seal

By:

Signature and Title

(Attach Power of Attorney)

Attest:

Signature and Title:

EJCDC No. C-615 (2002 Edition)

Originally prepared through the joint efforts of the Surety Association of America, Engineers Joint Contract Documents Committee, the Associated General Contractors of America, the American Institute of Architects, the American Subcontractors Association, and the Associated Specialty Contractors.

1. Contractor and Surety, jointly and severally, bind themselves, their heirs, executors, administrators, successors, and assigns to Owner to pay for labor, materials, and equipment furnished by Claimants for use in the performance of the Contract, which is incorporated herein by reference.
2. With respect to Owner, this obligation shall be null and void if Contractor:
 - 2.1. Promptly makes payment, directly or indirectly, for all sums due Claimants, and
 - 2.2. Defends, indemnifies, and holds harmless Owner from all claims, demands, liens, or suits alleging non-payment by Contractor by any person or entity who furnished labor, materials, or equipment for use in the performance of the Contract, provided Owner has promptly notified Contractor and Surety (at the addresses described in Paragraph 12) of any claims, demands, liens, or suits and tendered defense of such claims, demands, liens, or suits to Contractor and Surety, and provided there is no Owner Default.
3. With respect to Claimants, this obligation shall be null and void if Contractor promptly makes payment, directly or indirectly, for all sums due.
4. Surety shall have no obligation to Claimants under this Bond until:
 - 4.1. Claimants who are employed by or have a direct contract with Contractor have given notice to Surety (at the addresses described in Paragraph 12) and sent a copy, or notice thereof, to Owner, stating that a claim is being made under this Bond and, with substantial accuracy, the amount of the claim.
 - 4.2. Claimants who do not have a direct contract with Contractor:
 1. Have furnished written notice to Contractor and sent a copy, or notice thereof, to Owner, within 90 days after having last performed labor or last furnished materials or equipment included in the claim stating, with substantial accuracy, the amount of the claim and the name of the party to whom the materials or equipment were furnished or supplied, or for whom the labor was done or performed; and
 2. Have either received a rejection in whole or in part from Contractor, or not received within 30 days of furnishing the above notice any communication from Contractor by which Contractor had indicated the claim will be paid directly or indirectly; and
 3. Not having been paid within the above 30 days, have sent a written notice to Surety and sent a copy, or notice thereof, to Owner, stating that a claim is being made under this Bond and enclosing a copy of the previous written notice furnished to Contractor.
5. If a notice by a Claimant required by Paragraph 4 is provided by Owner to Contractor or to Surety that is sufficient compliance.
6. When a Claimant has satisfied the conditions of Paragraph 4, the Surety shall promptly and at Surety's expense take the following actions:
 - 6.1. Send an answer to that Claimant, with a copy to Owner, within 45 days after receipt of the claim, stating the amounts that are undisputed and the basis for challenging any amounts that are disputed.
 - 6.2. Pay or arrange for payment of any undisputed amounts.
7. Surety's total obligation shall not exceed the amount of this Bond, and the amount of this Bond shall be credited for any payments made in good faith by Surety.
8. Amounts owed by Owner to Contractor under the Contract shall be used for the performance of the Contract and to satisfy claims, if any, under any performance bond. By Contractor furnishing and Owner accepting this Bond, they agree that all funds earned by Contractor in the performance of the Contract are dedicated to satisfy obligations of Contractor and Surety under this Bond, subject to Owner's priority to use the funds for the completion of the Work.
9. Surety shall not be liable to Owner, Claimants, or others for obligations of Contractor that are unrelated to the Contract. Owner shall not be liable for payment of any costs or expenses of any Claimant under this Bond, and shall have under this Bond no obligations to make payments to, give notices on behalf of, or otherwise have obligations to Claimants under this Bond.
10. Surety hereby waives notice of any change, including changes of time, to the Contract or to related Subcontracts, purchase orders and other obligations.
11. No suit or action shall be commenced by a Claimant under this Bond other than in a court of competent jurisdiction in the location in which the Work or part of the Work is located or after the expiration of one year from the date (1) on which the Claimant gave the notice required by Paragraph 4.1 or Paragraph 4.2.3, or (2) on which the last labor or service was performed by anyone or the last materials or equipment were furnished by anyone under the Construction Contract, whichever of (1) or (2) first occurs. If the provisions of this paragraph are void or prohibited by law, the minimum period of limitation available to sureties as a defense in the jurisdiction of the suit shall be applicable.
12. Notice to Surety, Owner, or Contractor shall be mailed or delivered to the addresses shown on the signature page. Actual receipt of notice by Surety, Owner, or Contractor, however accomplished, shall be sufficient compliance as of the date received at the address shown on the signature page.
13. When this Bond has been furnished to comply with a statutory requirement in the location where the Contract was to be performed, any provision in this Bond conflicting with said statutory requirement shall be deemed deleted herefrom and provisions conforming to such statutory requirement shall be deemed incorporated herein. The intent is that this Bond shall be construed as a statutory Bond and not as a common law bond.
14. Upon request of any person or entity appearing to be a potential beneficiary of this Bond, Contractor shall promptly furnish a copy of this Bond or shall permit a copy to be made.
15. DEFINITIONS
 - 15.1. Claimant: An individual or entity having a direct contract with Contractor, or with a first-tier subcontractor of Contractor, to furnish labor, materials, or equipment for use in the performance of the Contract. The intent of this Bond shall be to include without limitation in the terms "labor, materials or equipment" that part of water, gas, power, light, heat, oil, gasoline, telephone service, or rental equipment used in the Contract, architectural and engineering services required for performance of the Work of Contractor and Contractor's Subcontractors, and all other items for which a mechanic's lien may be asserted in the jurisdiction where the labor, materials, or equipment were furnished.
 - 15.2. Contract: The agreement between Owner and Contractor identified on the signature page, including all Contract Documents and changes thereto.
 - 15.3. Owner Default: Failure of Owner, which has neither been remedied nor waived, to pay Contractor as required by the Contract or to perform and complete or comply with the other terms thereof.

FOR INFORMATION ONLY – Name, Address and Telephone
Surety Agency or Broker:
Owner's Representative (engineer or other party):

DOCUMENT 00700

GENERAL CONDITIONS - EJCDC

1.1 GENERAL CONDITIONS

- A. EJCDC No. C-700 (2002 Edition) - Standard General Conditions of the Construction Contract, is the General Conditions of the Contract.

1.2 SUPPLEMENTARY CONDITIONS

- A. Refer to Document 00800 for amendments and supplements to General Conditions.

END OF DOCUMENT

SECTION 00800

SUPPLEMENTARY CONDITIONS

GENERAL

The following supplements shall modify, change, delete from and add to the "Standard General Conditions of the Construction Contract (EJCDC Document No. C-700, 2002 Edition)." Where any article, paragraph or subparagraph in the General Conditions is supplemented by one of the following paragraphs, the provisions of such article, paragraph or subparagraph shall remain in effect and the supplementary provisions shall be considered as added thereto. Where any article, paragraph or subparagraph in the General Conditions is amended, voided or superseded, by any of the following paragraphs, the provisions of such article, paragraph or subparagraph not so amended, voided or superseded shall remain in effect.

ARTICLE 1 - DEFINITIONS AND TERMINOLOGY

1.01.A.2. Amend the definition entitled "Agreement" to read:

"Agreement (Contract) - . . . "

1.01.A.12. Amend the definition entitled "Contract Documents" to read:

"Contract Documents - Agreement, addenda (which pertain to the Contract Documents), Instructions to Bidders, CONTRACTOR'S Bid (including documentation accompanying the Bid and any post-Bid documentation submitted prior to the Notice of Award) when attached as an exhibit to the Agreement, Bonds, these General Conditions, Supplementary Conditions, Specifications, and Drawings, together with all Amendments, Modifications and supplements issued pursuant to paragraphs 3.04.A. and 3.04.B. on or after the effective date of the Agreement. Only printed or hard copies of the items listed are Contract Documents."

1.01A.19. Amend the definition entitled "OWNER'S REPRESENTATIVE" to read:

"OWNER'S REPRESENTATIVE – the OWNER'S REPRESENTATIVE of The Village of Franklin Park or his designee."

ARTICLE 2 - PRELIMINARY MATTERS

SC 2.01.A.1. Add a new subparagraph immediately after Paragraph 2.01.A. of the General Conditions which is to read as follows:

"The Agreement, Bonds, and such other portions of the Contract Documents as may be required shall be executed and delivered by CONTRACTOR to OWNER within 10 days after receipt of the Notice of Award. OWNER shall determine the number of counterparts required. OWNER will execute the counterparts. OWNER, CONTRACTOR, and OWNER'S REPRESENTATIVE shall each receive an executed counterpart of the Contract Documents and additional conformed copies distributed as required."

- SC 2.01.B. Delete Paragraph 2.01.B. of the General Conditions in its entirety and insert the following in its place:
- "Before any Work at the site is started, CONTRACTOR shall deliver to OWNER, certificates (and other evidence of insurance requested by OWNER) which CONTRACTOR is required to purchase and maintain in accordance with the Contract Documents."
- SC 2.03.A. Delete Paragraph 2.03.A. of the General Conditions in its entirety and insert the following in its place:
- "The Contract Time will commence on the date established in the Notice to Proceed issued by OWNER to CONTRACTOR, but in no event shall the Contract Time commence to run later than the 30th day after the effective date of the Contract. A Notice to Proceed may be given at any time within the 30 days after the effective date of the Contract."
- SC 2.06.A. Delete Paragraph 2.06.A. of the General Conditions in its entirety and insert the following in its place:
- "After delivery of the executed Contract to OWNER, but before CONTRACTOR starts the Work at the site, a conference will be held to establish a working understanding among the parties as to the Work."
- Add new subparagraphs immediately after Paragraph SC 2.06.A. which are to read as follows:
- SC 2.06.B. The conference will be held at a location selected by OWNER. The conference will be attended by:
- SC 2.06.B.1. CONTRACTOR'S Office Representative.
- SC 2.06.B.2. CONTRACTOR'S General Superintendent.
- SC 2.06.B.3. Any Subcontractors' or Suppliers' representatives whom CONTRACTOR may desire to invite or OWNER'S REPRESENTATIVE may request.
- SC 2.06.B.4. OWNER'S Representatives.
- SC 2.06.B.5. Local Utilities Representatives.
- SC 2.06.C. A suggested format would include, but not be limited to, the following subjects:
- SC 2.06.C.1. Discuss proposed construction progress schedule to be submitted by CONTRACTOR in accordance with Section 01300 of the Specifications.
- SC 2.06.C.2. Check of required bonds and insurance certifications prior to Notice to Proceed.
- SC 2.06.C.3. Liquidated damages.

- SC 2.06.C.4. Shop drawing submittal and approval procedure.
- SC 2.06.C.5. Chain of command, direction of correspondence, and coordinating responsibility between CONTRACTORS.
- SC 2.06.C.6. Request for a weekly job meeting for all involved.
- SC 2.06.C.7. Equal opportunity requirements.
- SC 2.06.C.8. Laboratory testing of material requirements.
- SC 2.06.C.9. Inventory of material stored on-site provisions.
- SC 2.06.C.10. Progress estimate and payment procedure.

ARTICLE 4 - AVAILABILITY OF LANDS; SUBSURFACE AND PHYSICAL CONDITIONS; REFERENCE POINTS

- SC 4.02.C. Add a new subparagraph immediately after Subparagraph 4.02.B. of the General Conditions which is to read as follows:

Soils Investigation Report:

C. General

1. Soils investigation reports have been prepared for the site of this work. Information from those reports that is applicable to the Soil Remediation Project is included in the Bid Specifications for Soil Remediation document and the Attachments.
2. Bidders must attend the mandatory site meeting to acquaint themselves with existing conditions and obtain answers to questions.

ARTICLE 5 - BONDS AND INSURANCE

- SC 5.01.A. Delete the first sentence in Paragraph 5.01.A. and insert the following:

"If the CONTRACTOR chooses to supply Performance and Payment Bonds they both must be in an amount at least equal to the Contract Price, as security for the faithful performance and payment of all CONTRACTOR'S obligations under the Contract Documents."

- SC 5.01.C. Add the following language at the end of Paragraph 5.01.C. of the General Conditions:

"In addition, no further progress payments under the Agreement will be made by OWNER until CONTRACTOR complies with the provisions of this Article."

SC 5.04.A. through 5.06.E. Delete Paragraphs 5.04.A. through 5.06.E. inclusive of the General Conditions and insert the following:

SC 5.04 CONTRACTOR'S Insurance Requirements:

SC 5.04.A. CONTRACTOR shall procure and maintain for the duration of the Contract insurance against claims for injuries to persons or damages to property which may arise from or in connection with the performance of the work hereunder by the CONTRACTOR, his agents, representatives, employees or subcontractors.

SC 5.04.B. Minimum Scope of Insurance

1. Coverage shall be at least as broad as:
 - a. Insurance Services Office Commercial General Liability occurrence form CG 0001 (Ed. 11/85) / and/or OWNERS and CONTRACTORS Protective Liability policy with The Village of Franklin Park stated as named insured; and
 - b. Insurance Services Office form number CA 0001 (Ed. 1/87) covering Automobile Liability, code 1 "any auto" and endorsement AC 0019 (Ed. 12/88) changes in Business Auto and Truckers coverage forms - Insured Contract; and
 - c. Workers' Compensation as required by the Labor Code of the State of Illinois and Employers' Liability insurance.

SC 5.04.C. Minimum Limits of Insurance

1. CONTRACTOR shall maintain limits **no less** than:
 - a. **Commercial General Liability: \$1,000,000 combined single limit per occurrence for bodily injury, personal injury and property damage. The general aggregate shall be twice the required occurrence limit. Minimum General Aggregate shall be no less than \$2,000,000.**
 - i. Coverages shall include:
 - Broad Form Property Damage Endorsement
 - Blanket Contractual Liability (must expressly cover the indemnity provisions of the contract)
 - Premises/Operations
 - Products/Completed Operations (to be maintained for two years following final payment)
 - Independent Contractors
 - Personal Injury (with Employment Exclusion deleted)
 - Broad Form Property Damage Endorsement
 - Bodily Injury and Property Damage
 - ii. "X", "C", and "U" exclusions shall be deleted.

- iii. Railroad exclusions shall be deleted if Work Site is within 50 feet of any railroad track.

- b. Automobile Liability: \$2,000,000 combined single limit per accident for bodily injury and property damage for vehicles owned, not owned, or rented.

- c. Worker's Compensation and Employers' Liability: Workers' Compensation limits as required by the Labor Code of the State of Illinois and Employers' Liability limits of \$500,000 injury per - occurrence, \$500,000 disease - per employee, and \$500,000 disease – policy limit.

- d. Builder's Risk Insurance, written in completed value form, to protect the supplier or vendor and the Village against “all risks” of direct physical loss to buildings, structures, equipment, and materials to be used in providing, performing, and completing the construction, including without limitation fire, extended coverage, vandalism and malicious mischief, sprinkler leakage, flood, earth movement, and collapse, and shall be designed for the circumstances that may affect the construction.

This insurance shall be written with limits not less than the insurable value of the project at completion. The insurable value shall include the aggregate value of City-furnished equipment and materials to be constructed or installed by the supplier or vendor.

This insurance shall include coverage while equipment or materials are in warehouses, during installation, during testing, and after the project is completed, but prior to final payment. This insurance shall include coverage while the City is occupying all or any part of the project prior to final payment without the need for the insurance company's consent.

SC 5.04.D. Deductibles and Self-Insured Retentions

- 1. Any deductibles or self-insured retentions must be declared to and approved by The Village of Franklin Park. At the option of The Village of Franklin Park, either: the insurer shall reduce or eliminate such deductibles or self-insured retentions as respects The Village of Franklin Park, its officials and employees; or the CONTRACTOR shall procure a bond guaranteeing payment of losses and related investigation, claim administration and defense expenses.

SC 5.04.E. Other Insurance Provisions

- 1. The policies are to contain, or be endorsed to contain, the following provisions:
 - a. General Liability and Automobile Liability Coverages

- i. The Village of Franklin Park, including its Board of Trustees Members and elected and appointed officials, its officers, employees, agents, attorneys, consultants, and representatives, are to be covered as insureds as respects: liability arising out of activities performed by or on behalf of the CONTRACTOR; products and completed operations of the CONTRACTOR; premises owned, leased or used by the CONTRACTOR; or automobiles owned, leased, hired or borrowed by the CONTRACTOR. The coverage shall contain no special limitations on the scope of protection afforded to The Village of Franklin Park, its agents, employees or volunteers.
- ii. The CONTRACTOR'S insurance coverage shall be primary as respects The Village of Franklin Park, including its Board of Trustees Members and elected and appointed officials, its officers, employees, agents, attorneys, consultants, and representatives. Any insurance or self-insurance maintained by The Village of Franklin Park, its agents, employees or volunteers shall be excess of CONTRACTOR'S insurance and shall not contribute with it.
- iii. Any failure to comply with reporting provisions of the policies shall not affect coverage provided to The Village of Franklin Park, including its Board of Trustees Members and elected and appointed officials, its officers, employees, agents, attorneys, consultants, and representatives.
- iv. Coverage shall state that CONTRACTOR'S insurance shall apply separately to each insured against whom claim is made or suit is brought, except with respect to the limits of the insurer's liability.
- v. All CONTRACTOR'S employees shall be included as insureds.
- vi. Workers' Compensation and Employers' Liability Coverages

The insurer shall agree to waive all rights of subrogation against The Village of Franklin Park, its agents, employees and volunteers for losses arising from work performed by CONTRACTOR for The Village of Franklin Park.

- vii. All Coverages

Each insurance policy required by this clause shall be endorsed to state that coverage shall not be suspended, voided, canceled, reduced in coverage or in limits except after thirty (30) days prior written notice by certified mail, return receipt requested, has been given to The Village of Franklin Park.

- b. Owner's and Contractor's Protective Liability Insurance, in the name of the City with a combined single limit for the bodily injury and

property damage of not less the amount required by the Village President. This requirement shall apply to construction projects.

- c. Umbrella Policy. The required coverages may be in any combination of primary, excess, and umbrella policies. Any excess or umbrella policy must provide excess coverage over underlying insurance on a following-form basis such that when any loss covered by the primary policy exceeds the limits under the primary policy, the excess or umbrella policy becomes effective to cover such loss.

SC 5.04.F. Acceptability of Insurers

1. **Insurance is to be placed with insurers with a Best's rating of no less than B+.**

SC 5.04.G. Verification of Coverage

1. CONTRACTOR shall furnish The Village of Franklin Park with certificates of insurance naming The Village of Franklin Park as an additional insured, and with original endorsements affecting coverage required by this clause. The certificates and endorsements for each insurance policy are to be signed by a person authorized by that insurer to bind coverage on its behalf. The certificates and endorsements may be on forms provided by the Village of Franklin Park and are to be received and approved by The Village of Franklin Park before any work commences. The Village of Franklin Park reserves the right to request full certified copies of the insurance policies.
2. CONTRACTOR shall furnish The Village of Franklin Park with evidence that the Worker's Compensation and Employer's Liability Insurance provides coverage in the State of Illinois.

SC 5.04.H. Subcontractors

1. CONTRACTOR shall include all subcontractors as insureds under its policies or shall furnish separate certificates and endorsements for each subcontractor. All coverages for subcontractors shall be subject to all of the requirements stated herein.

SC 5.04.I. Indemnity Hold Harmless Provision

1. To the fullest extent permitted by law, the CONTRACTOR hereby agrees to defend, indemnify and hold harmless The Village of Franklin Park, its officials, agents and employees, against all injuries, deaths, loss, damages, claims, patent claims, suits, liabilities, judgments, cost and expenses, which may in anywise accrue against The Village of Franklin Park, its officials, agents and employees, a rising in whole or in part or in consequence of the performance of this work by the CONTRACTOR, its employees, or subcontractors, or which may in anywise result therefore, except that arising out of the sole legal cause of The Village of Franklin

Park, its agents or employees, the CONTRACTOR shall, at its own expense, appear, defend and pay all charges of attorneys and all costs and other expenses arising therefore or incurred in connections therewith, and, if any judgment shall be rendered against The Village of Franklin Park, its officials, agents and employees, in any such action, the CONTRACTOR shall, at its own expense, satisfy and discharge the same.

2. CONTRACTOR expressly understands and agrees that any performance bond or insurance policies required by this Contract, or otherwise provided by the CONTRACTOR, shall in no way limit the responsibility to indemnify, keep and save harmless and defend The Village of Franklin Park, its officials, agents and employees as herein provided.
3. The CONTRACTOR further agrees that to the extent that money is due the CONTRACTOR by virtue of this Contract as shall be considered necessary in the judgment of The Village of Franklin Park, may be retained by The Village of Franklin Park to protect itself against said loss until such claims, suits, or judgments shall have been settled or discharged and/or evidence to that effect shall have been furnished to the satisfaction of The Village of Franklin Park.

SC 5.07.A Delete Subparagraph 5.07.A. of the General Conditions in its entirety and insert the following:

"OWNER and CONTRACTOR intend that any policies provided in response to this document shall protect all of the parties insured and provide primary coverage for all losses and damages caused by the perils covered thereby. Accordingly, all such policies shall contain provisions to the effect that in the event of payment of any loss or damage the insurer will have no rights of recovery against any of the parties named as insureds or additional insureds, and if the insurers require separate waiver forms to be signed by any Subcontractor, CONTRACTOR will obtain the same."

SC 5.07.B. Delete Subparagraph 5.07.B. of the General Conditions in its entirety and insert the following:

"OWNER and CONTRACTOR waive all rights against each other for all losses and damages caused by any of the perils covered by the policies of insurance provided in response to paragraphs in this document and any other property insurance applicable to the work, and also waive all such rights against the Subcontractors, and all other parties named as insureds in such policies for losses and damages so caused. As required by paragraph 6.11., each Subcontractor between CONTRACTOR, and a Subcontractor will contain similar waiver provisions by the Subcontractor in favor of OWNER, CONTRACTOR, and all other parties' names as insured's. None of the above waivers shall extend to the rights that any of the insured parties may have to the proceeds of insurance held by OWNER as trustee or otherwise payable under any policy so issued."

SC 5.08. through 5.09.A. Delete Paragraphs 5.08. through 5.09.A. of the General Conditions in their entirety.

ARTICLE 6 - CONTRACTOR'S RESPONSIBILITIES

SC 6.03.B. Amend the first sentence of Paragraph 6.03.B of the General Conditions to read as follows:

"All materials and equipment permanently incorporated into the Work shall be new, except as otherwise provided in the Contract Documents."

And as so amended, Paragraph 6.03.B. remains in effect.

SC 6.05.C. Delete Subparagraph 6.05.C. of the General Conditions in its entirety and insert the following:

"OWNER'S REPRESENTATIVE will be allowed a reasonable time within which to evaluate each proposed substitute. OWNER'S REPRESENTATIVE will be the sole judge of acceptability, and no substitute will be ordered, installed or utilized with OWNER'S REPRESENTATIVE'S prior written acceptance which will be evidenced by either a Change Order or an approved Shop Drawing. OWNER may require CONTRACTOR to furnish at CONTRACTOR'S expense a special performance guarantee or other surety with respect to any substitute. When substitutes are proposed and accepted by OWNER'S REPRESENTATIVE, and it is found that such substitutes alter the design or space requirements indicated on Drawings, CONTRACTOR shall be responsible for the costs involved to revise the design and construction, including the costs associated with the work of other contractors due to such variance in design or space requirements. Therefore, CONTRACTOR shall thoroughly investigate the design parameters, conditions, and space requirements, with respect to the Contract Drawings and Specifications prior to requesting substitutes."

SC 6.06.A. and 6.06.B. Delete Subparagraphs 6.06.A. and 6.06.B. of the General Conditions in their entirety and insert the following:

"CONTRACTOR shall not employ any Subcontractor or other person or organization (including those who are to furnish the principal items of material or equipment), whether initially or as a substitute, against whom OWNER may have reasonable objection. Acceptance of any Subcontractor, other person or organization by OWNER shall not constitute a waiver of any right of OWNER to reject defective Work or Work not in conformance with the Contract Documents. If OWNER, after due investigation, has reasonable objection to any Subcontractor, other person or organization proposed by CONTRACTOR, CONTRACTOR shall submit an acceptable substitute. CONTRACTOR shall not be required to employ any Subcontractor, other person or organization against whom he has reasonable objection. CONTRACTOR shall not, without the consent of OWNER, make substitution for any Subcontractor, other person or organization who has been accepted by OWNER."

SC 6.06.G. Delete Paragraph 6.06.G. of the General Conditions in its entirety and insert the following:

"All Work performed for CONTRACTOR by a Subcontractor will be pursuant to an appropriate agreement between CONTRACTOR and the Subcontractor which specifically binds the Subcontractor to the applicable terms and conditions of the Contract Documents for the benefit of the OWNER and contains waiver provisions as required by Subparagraphs SC 5.07.A. and SC 5.07.B. CONTRACTOR shall pay each Subcontractor a just share of any insurance monies received by CONTRACTOR on account of losses under policies issued pursuant to Paragraph SC 5.04.A. through 5.04.C.

SC 6.08.A. Add the following language at the end of Paragraph 6.08.A. of the General Conditions which is to read as follows:

"Copies of all permits and licenses prepared or obtained by CONTRACTOR shall be submitted to OWNER prior to the commencement of construction. Copies of all permits and licenses obtained by OWNER shall be made available to CONTRACTOR and maintained by CONTRACTOR at the Project site."

SC 6.09.B. Add the following language at the end of Subparagraph 6.09.B. of the General Conditions which is to read as follows:

"Copies of all written notices given by CONTRACTOR shall be submitted to OWNER'S REPRESENTATIVE and OWNER prior to the commencement of construction."

And as so amended, Subparagraph 6.09.B. remains in effect.

SC 6.19.A. Delete the first sentence of Paragraph 6.19.A. of the General Conditions in its entirety and insert the following in its place:

"CONTRACTOR warrants to OWNER that all materials and equipment furnished under this Contract will be new, unless otherwise specified, and that all Work will be of good quality, free from faults and defects, in conformance with the Contract Documents."

And as so amended, Paragraph 6.19.A. remains in effect.

SC 6.20.D. Add a new paragraph immediately after Paragraph 6.20.C. of the General Conditions which is to read as follows:

"The obligations of the CONTRACTOR under Paragraphs 6.20.A., 6.20.B., and 6.20.C. shall be construed to include, but not be limited to, injury or damage consequent upon any failure to use or misuse by CONTRACTOR, his agents and employees of any scaffold, hoist, crane, stay, ladder, support or other mechanical contrivance erected or constructed by any person or any or all other kinds of equipment whether or not owned or furnished by the OWNER. It is understood that this excludes use by the OWNER or his employees of scaffolding owned and furnished by the OWNER.

SC 6.20.D.1. In the event that any party is requested but refused to honor the indemnity obligations hereunder, the party indemnifying shall, in addition to all other

obligations, pay the cost of bringing any such action, including attorney's fees, to the party requesting indemnity."

ARTICLE 7 - OTHER WORK

Add the following sentence after Paragraph 7.01.A.2. of the General Conditions:

SC 7.01.A.3 "If the performance of such additional Work was noted in the Contract Documents and CONTRACTOR believes that the performance thereof entitles him to an extension of Contract Time, he may make a claim therefore as provided in Paragraph 12.02."

And as so amended, Paragraph 7.01.A. remains in effect.

ARTICLE 8 - OWNER'S RESPONSIBILITIES

SC 8.01.A. Delete paragraph 8.01.A. of the General Conditions in its entirety.

SC 8.02.A. Amend the first sentence of Paragraph 8.02.A. of the General Conditions by deleting the following words:

". . . to whom CONTRACTOR makes no reasonable objection,"

And as so amended, Paragraph 8.02.A. remains in effect.

SC 8.06.A. Delete Paragraph 8.06.A. of the General Conditions in its entirety.

ARTICLE 10 - CHANGES IN THE WORK; CLAIMS

SC 10.03.A. Amend the first sentence of Paragraph 10.03.A. of the General Conditions to read as follows:

"OWNER, after consideration and approval, may execute appropriate Change Orders with CONTRACTOR covering:"

And as so amended, Paragraph 10.03.A. remains in effect.

ARTICLE 12 - CHANGE OF CONTRACT PRICE; CHANGE OF CONTRACT TIMES

SC 12.01.A. Delete the second sentence of Paragraph 12.01.A. of the General Conditions and insert in its place the following:

"Any claim for an increase or decrease in the Contract Price shall be based on written notice delivered to OWNER'S REPRESENTATIVE promptly (but in no event later than 10 days) after the occurrence of the event giving rise to the claim and stating the general nature of the claim. Notice of the amount of claim with supporting data shall be delivered within 30 days after such occurrence (unless OWNER'S REPRESENTATIVE allows an additional period of time to ascertain more accurate data in support of the claim) and shall be accompanied by the claimant's written statement that the amount claimed

covers all known amounts (direct, indirect and consequential) to which the claimant is entitled as a result of the occurrence of said event."

SC 12.02.A. Delete the second sentence of Paragraph 12.02.A. of the General Conditions and insert in its place the following:

"Any claim for an extension or shortening of the Contract Time shall be based on written notice delivered to the OWNER'S REPRESENTATIVE promptly (but in no event later than 10 days) after the occurrence of the event giving rise to the claim and stating the general nature of the claim. Notice of the extent of the claim with supporting data shall be delivered within 30 days after such occurrence (unless OWNER'S REPRESENTATIVE allows an additional period of time to ascertain more accurate data in support of the claim) and shall be accompanied by the claimant's written statement that the adjustment claimed is the entire adjustment to which the claimant has reason to believe it is entitled as a result of the occurrence of said event."

And as so amended, Paragraph 12.02.A. remains in effect.

ARTICLE 13 - TESTS AND INSPECTIONS; CORRECTION, REMOVAL OR ACCEPTANCE OF DEFECTIVE WORK

SC 13.02.A. Amend the first sentence of Paragraph 13.02.A. of the General Conditions to read as follows:

"OWNER'S representatives, testing agencies, and governmental agencies with jurisdictional interests will have access to the Work at reasonable times for their observations, inspecting and testing."

And so amended, Paragraph 13.02.A. remains in effect.

SC 13.04.C. Amend the second and third sentences of Paragraph 13.04.C. of the General Conditions by deleting the following words:

". . ., and OWNER shall be entitled to an appropriate decrease in the Contract Price. If the parties are unable to agree as to the amount thereof, OWNER may make a claim therefor as provided in Paragraph 10.05."

And as so amended, Paragraph 13.04.C. remains in effect.

SC 13.05.A. Delete Paragraph 13.05.A. of the General Conditions in its entirety and insert the following in its place:

"If the Work is defective or CONTRACTOR fails to supply sufficient skilled workmen or suitable materials or equipment, fails to conform to the progress schedule required by Paragraph 2.07.A., or if CONTRACTOR fails to make prompt payments to subcontractors for labor, materials or equipment, OWNER may order CONTRACTOR to stop the Work or any portion thereof, until the cause for such order has been eliminated; however, this right of OWNER to stop the Work shall not give to any duty on the part of OWNER to exercise this right for the benefit of CONTRACTOR or any other party."

SC 13.07.B. Add the following language at the end of Paragraph 13.07.B. of the General Conditions:

"The OWNER'S rights under Paragraphs 13.07.A and 13.07.B. shall be in addition to and not a limitation of, any other rights and remedies available at law."

ARTICLE 14 - PAYMENTS TO CONTRACTOR AND COMPLETION

SC 14.02.A.3. Amend Paragraph 14.02.A.3. of the General Conditions by deleting the word "Agreement" and inserting the words "Supplemental Conditions" in its place.

And as so amended, Paragraph 14.02.A.3. remains in effect.

Add a new subparagraph after Paragraph 14.02.A.3. of the General Conditions which is to read as follows:

SC 14.02.A.3.a. "Retainage":

After each Application for Payment has been found acceptable by OWNER, OWNER will pay an amount equal to the value of the Work completed less any previous payments to CONTRACTOR. An amount will be retained on each payment in accordance with the following schedule:

- i. Ten (10) percent until construction is 50 percent complete.
- ii. Five (5) percent after construction is 50 percent complete, provided that the CONTRACTOR is making satisfactory progress and there is no specific cause for greater withholding.
- iii. When the project is substantially complete (as determined by the OWNER'S REPRESENTATIVE) the retained amount will be reduced to two (2) percent of the value of work which is substantially complete.

CONTRACTOR shall furnish with each application for payment a CONTRACTOR'S sworn affidavit listing all parties to receive payments on that request.

SC 14.02.B.5.e. and 14.02.B.5.f.

Add two new subparagraphs immediately after Subparagraph 14.02.B.5.d. of the General Conditions which are to read as follows:

SC 14.02.B.5.e. "CONTRACTOR'S failure to supply lien waivers for materials, equipment, and Subcontract Work completed to date.

SC 14.02.B.5.f. Of reasonable doubt that the Work can be completed for the unpaid balance of the Contractor Price."

SC 14.02.C.1. Amend Paragraph 14.02.C.1. of the General Conditions by deleting the words "ten days" and inserting the words "30 days" in its place.

And as so amended, Paragraph 14.02.C.1. remains in effect.

SC 14.04.A. through 14.04.D.

Delete Paragraphs 14.04.A through 14.04.D. of the General Conditions in their entirety and replace them with the following:

"When CONTRACTOR considers the entire Work, or a designated portion thereof, ready for its intended use, CONTRACTOR shall, in writing to OWNER and OWNER'S REPRESENTATIVE, certify that the entire Work, or a designated portion thereof, is substantially complete and request that OWNER'S REPRESENTATIVE issue a Certificate of Substantial Completion. Within a reasonable time thereafter, OWNER, CONTRACTOR and OWNER'S REPRESENTATIVE shall make an inspection of the Work to determine the status of completion. If OWNER'S REPRESENTATIVE does not consider the Work substantially complete, OWNER'S REPRESENTATIVE will notify CONTRACTOR in writing stating his reasons. If OWNER'S REPRESENTATIVE considers the Work substantially complete, OWNER'S REPRESENTATIVE will prepare and deliver to CONTRACTOR a definitive Certificate of Substantial Completion. There shall be attached to the certificate a tentative list of items to be completed or corrected before final payment. Warranties required by the Contract Documents shall commence on the Date of Substantial Completion of the Work unless otherwise provided in the definitive Certificate of Substantial Completion."

SC 14.04.E.

Amend Paragraph 14.04.E. of the General Conditions by deleting the following words "on the tentative list." and insert the following words "required by the Contract Documents." in their place.

And as so amended, Paragraph 14.04.E. remains in effect.

SC 14.05.A.4.

Delete Subparagraph 14.05.A.4. of the General Conditions in its entirety.

SC 14.06.A.

Amend the first sentence of Paragraph 14.06.A. of the General Conditions by deleting the words "OWNER and".

And as so amended, Paragraph 14.06.A. remains in effect.

SC 14.09.A.1.

Delete Subparagraph 14.09.A.1. of the General Conditions in its entirety.

SC 14.09.B.

Add a new paragraph immediately after Subparagraph 14.09.A.2. of the General Conditions which is to read as follows:

"Liquidated Damages:

1. Should CONTRACTOR or Surety fail to complete the Work within the time set forth in the Contract Documents or within such extra time as may be allowed by extensions, there shall be deducted from any monies due or that may become due CONTRACTOR or Surety the sum set forth in the Contract Documents for each and every calendar day, including Sundays

and holidays, that the Work shall remain uncompleted. This sum shall be considered and treated not as a penalty but as fixed, agreed, and liquidated damages due OWNER from CONTRACTOR or Surety because of OWNER'S loss of income and other costs incurred resulting from the failure to complete the Work within the time specified. Permitting CONTRACTOR or Surety to continue and finish the Work or any part of it after the time fixed for its completion, or after the date to which the time for completion may have been extended, shall in no way operate as a waiver on the part of OWNER of its rights under the CONTRACTOR."

ARTICLE 15 - SUSPENSION OF WORK AND TERMINATION

SC 15.01.A. Amend the first sentence of Paragraph 15.01.A. of the General Conditions by deleting the words "and OWNER'S REPRESENTATIVE".

And as so amended, Paragraph 15.01.A. remains in effect.

SC 15.03.A. Amend the first sentence of Paragraph 15.03.A. of the General Conditions by deleting the words "and OWNER'S REPRESENTATIVE".

And as so amended, Paragraph 15.03.A. remains in effect.

SC 15.04.A. and 15.04.b Delete Paragraphs 15.04.A and 15.04.B. of the General Conditions in their entirety and replace them with the following:

"If through no act or fault of CONTRACTOR, the Work is suspended for a period of more than ninety days by OWNER or under an order of court, or other public authority, the CONTRACTOR may, upon seven days' written notice to OWNER, terminate the Agreement and recover from OWNER payment for all Work executed and any expense sustained plus reasonable termination expenses."

ARTICLE 17 - MISCELLANEOUS

SC 17.01.A.2. Amend Paragraph 17.01.A.2. of the General Conditions by inserting the words "(return receipt)" immediately following the words, "certified mail".

And as so amended, Paragraph 17.01.A.2. remains in effect.

SC 17.01.A.3. Add a new paragraph immediately after Paragraph 17.01.A.2. of the General Conditions which is to read as follows:

"Whenever any provision of the Contract Documents requires the delivery of any Bond, Agreement, Certificate of Insurance or any other item, it shall be deemed to have been validly delivered if given in person to the individual, to a member of the firm or to an officer of the corporation for whom it is intended, or if given at or sent by registered or certified mail (return receipt), postage prepared, to the last business address known to him who delivers the article."

SC 17.02.A. Amend Subparagraph 17.02.A. of the General Conditions by deleting the second sentence in its entirety.

And so amended, Subparagraph 17.02.A. remains in effect.

SC 17.07.

Add a new paragraph immediately after Paragraph 17.06.A. of the General Conditions which is to read as follows:

"Lien Waivers"

A. OWNER will require that CONTRACTOR furnish lien waivers for labor and materials used at any time during the Project as well as at completion of the Project."

* * * END OF SECTION * * *

SECTION 00830

PREVAILING WAGE RATES

(Cook County, November 2011 wage rates have been inserted)

Cook County Prevailing Wage for November 2011

Trade Name	RG	TYP	C	Base	FRMAN	*M-F>8	OSA	OSH	H/W	Pensn	Vac	Trng
=====	==	===	=	=====	=====	=====	===	===	=====	=====	=====	=====
ASBESTOS ABT-GEN		ALL		35.200	35.700	1.5	1.5	2.0	12.18	8.820	0.000	0.450
ASBESTOS ABT-MEC		BLD		32.850	0.000	1.5	1.5	2.0	10.82	10.66	0.000	0.720
BOILERMAKER		BLD		43.020	46.890	2.0	2.0	2.0	6.720	9.890	0.000	0.350
BRICK MASON		BLD		39.780	43.760	1.5	1.5	2.0	9.300	11.17	0.000	0.730
CARPENTER		ALL		40.770	42.770	1.5	1.5	2.0	12.34	11.25	0.000	0.530
CEMENT MASON		ALL		41.850	43.850	2.0	1.5	2.0	10.70	10.76	0.000	0.320
CERAMIC TILE FNSHER		BLD		33.600	0.000	2.0	1.5	2.0	9.200	6.680	0.000	0.580
COMM. ELECT.		BLD		36.440	38.940	1.5	1.5	2.0	8.420	8.910	0.000	0.700
ELECTRIC PWR EQMT OP		ALL		41.850	46.850	1.5	1.5	2.0	10.27	13.01	0.000	0.320
ELECTRIC PWR GRNDMAN		ALL		32.640	46.850	1.5	1.5	2.0	8.000	10.12	0.000	0.240
ELECTRIC PWR LINEMAN		ALL		41.850	46.850	1.5	1.5	2.0	10.27	13.01	0.000	0.320
ELECTRICIAN		ALL		40.400	43.000	1.5	1.5	2.0	13.83	7.420	0.000	0.750
ELEVATOR CONSTRUCTOR		BLD		47.410	53.340	2.0	2.0	2.0	10.53	10.71	2.840	0.000
FENCE ERECTOR		ALL		32.660	34.660	1.5	1.5	2.0	12.42	10.00	0.000	0.250
GLAZIER		BLD		38.000	39.500	1.5	2.0	2.0	10.19	13.64	0.000	0.790
HT/FROST INSULATOR		BLD		43.800	46.300	1.5	1.5	2.0	10.82	11.86	0.000	0.720
IRON WORKER		ALL		40.750	42.750	2.0	2.0	2.0	13.20	19.09	0.000	0.350
LABORER		ALL		35.200	35.950	1.5	1.5	2.0	12.18	8.820	0.000	0.450
LATHER		ALL		40.770	42.770	1.5	1.5	2.0	12.34	11.25	0.000	0.530
MACHINIST		BLD		43.160	45.160	1.5	1.5	2.0	7.980	8.950	0.000	0.000
MARBLE FINISHERS		ALL		29.100	0.000	1.5	1.5	2.0	9.300	11.17	0.000	0.660
MARBLE MASON		BLD		39.030	42.930	1.5	1.5	2.0	9.300	11.17	0.000	0.730
MATERIAL TESTER I		ALL		25.200	0.000	1.5	1.5	2.0	12.18	8.820	0.000	0.450
MATERIALS TESTER II		ALL		30.200	0.000	1.5	1.5	2.0	12.18	8.820	0.000	0.450
MILLWRIGHT		ALL		40.770	42.770	1.5	1.5	2.0	12.34	11.25	0.000	0.530
OPERATING ENGINEER		BLD	1	45.100	49.100	2.0	2.0	2.0	14.40	9.550	1.900	1.250
OPERATING ENGINEER		BLD	2	43.800	49.100	2.0	2.0	2.0	14.40	9.550	1.900	1.250
OPERATING ENGINEER		BLD	3	41.250	49.100	2.0	2.0	2.0	14.40	9.550	1.900	1.250
OPERATING ENGINEER		BLD	4	39.500	49.100	2.0	2.0	2.0	14.40	9.550	1.900	1.250
OPERATING ENGINEER		BLD	5	48.850	49.100	2.0	2.0	2.0	14.40	9.550	1.900	1.250
OPERATING ENGINEER		BLD	6	46.100	49.100	2.0	2.0	2.0	14.40	9.550	1.900	1.250
OPERATING ENGINEER		BLD	7	48.100	49.100	2.0	2.0	2.0	14.40	9.550	1.900	1.250
OPERATING ENGINEER		FLT	1	51.300	51.300	1.5	1.5	2.0	11.70	8.050	1.900	1.150
OPERATING ENGINEER		FLT	2	49.800	51.300	1.5	1.5	2.0	11.70	8.050	1.900	1.150
OPERATING ENGINEER		FLT	3	44.350	51.300	1.5	1.5	2.0	11.70	8.050	1.900	1.150
OPERATING ENGINEER		FLT	4	36.850	51.300	1.5	1.5	2.0	11.70	8.050	1.900	1.150
OPERATING ENGINEER		HWY	1	43.300	47.300	1.5	1.5	2.0	14.40	9.550	1.900	1.250
OPERATING ENGINEER		HWY	2	42.750	47.300	1.5	1.5	2.0	14.40	9.550	1.900	1.250
OPERATING ENGINEER		HWY	3	40.700	47.300	1.5	1.5	2.0	14.40	9.550	1.900	1.250
OPERATING ENGINEER		HWY	4	39.300	47.300	1.5	1.5	2.0	14.40	9.550	1.900	1.250
OPERATING ENGINEER		HWY	5	38.100	47.300	1.5	1.5	2.0	14.40	9.550	1.900	1.250
OPERATING ENGINEER		HWY	6	46.300	47.300	1.5	1.5	2.0	14.40	9.550	1.900	1.250
OPERATING ENGINEER		HWY	7	44.300	47.300	1.5	1.5	2.0	14.40	9.550	1.900	1.250
ORNAMNTL IRON WORKER		ALL		40.200	42.450	2.0	2.0	2.0	12.67	14.81	0.000	0.500
PAINTER		ALL		38.000	42.750	1.5	1.5	1.5	9.750	11.10	0.000	0.770
PAINTER SIGNS		BLD		32.770	36.800	1.5	1.5	1.5	2.600	2.620	0.000	0.000
PILEDRIVER		ALL		40.770	42.770	1.5	1.5	2.0	12.34	11.25	0.000	0.530
PIPEFITTER		BLD		44.050	47.050	1.5	1.5	2.0	8.460	13.85	0.000	1.820
PLASTERER		BLD		39.250	41.610	1.5	1.5	2.0	10.60	10.69	0.000	0.550
PLUMBER		BLD		44.750	46.750	1.5	1.5	2.0	11.59	9.060	0.000	0.780
ROOFER		BLD		37.650	40.650	1.5	1.5	2.0	7.750	6.570	0.000	0.430
SHEETMETAL WORKER		BLD		40.460	43.700	1.5	1.5	2.0	9.830	16.25	0.000	0.630
SIGN HANGER		BLD		28.960	29.810	1.5	1.5	2.0	4.700	2.880	0.000	0.000
SPRINKLER FITTER		BLD		49.200	51.200	1.5	1.5	2.0	9.250	8.050	0.000	0.450
STEEL ERECTOR		ALL		40.750	42.750	2.0	2.0	2.0	13.20	19.09	0.000	0.350

STONE MASON	BLD		39.780	43.760	1.5	1.5	2.0	9.300	11.17	0.000	0.730
TERRAZZO FINISHER	BLD		35.150	0.000	1.5	1.5	2.0	9.200	9.070	0.000	0.430
TERRAZZO MASON	BLD		39.010	42.010	1.5	1.5	2.0	9.200	10.41	0.000	0.510
TILE MASON	BLD		40.490	44.490	2.0	1.5	2.0	9.200	8.390	0.000	0.640
TRAFFIC SAFETY WRKR	HWY		28.250	29.850	1.5	1.5	2.0	4.896	4.175	0.000	0.000
TRUCK DRIVER	E	ALL 1	30.700	31.350	1.5	1.5	2.0	6.750	5.450	0.000	0.150
TRUCK DRIVER	E	ALL 2	30.950	31.350	1.5	1.5	2.0	6.750	5.450	0.000	0.150
TRUCK DRIVER	E	ALL 3	31.150	31.350	1.5	1.5	2.0	6.750	5.450	0.000	0.150
TRUCK DRIVER	E	ALL 4	31.350	31.350	1.5	1.5	2.0	6.750	5.450	0.000	0.150
TRUCK DRIVER	W	ALL 1	32.550	33.100	1.5	1.5	2.0	6.500	4.350	0.000	0.000
TRUCK DRIVER	W	ALL 2	32.700	33.100	1.5	1.5	2.0	6.500	4.350	0.000	0.000
TRUCK DRIVER	W	ALL 3	32.900	33.100	1.5	1.5	2.0	6.500	4.350	0.000	0.000
TRUCK DRIVER	W	ALL 4	33.100	33.100	1.5	1.5	2.0	6.500	4.350	0.000	0.000
TUCKPOINTER	BLD		39.200	40.200	1.5	1.5	2.0	7.830	10.25	0.000	0.770

Legend:

Overtime is required for any hour greater than 8 worked each day, Monday through Friday.

Overtime is required for every hour worked on Saturday)

Overtime is required for every hour worked on Sunday and Holidays)

(Health & Welfare Insurance)

(Commission)

(Vacation)

(Savings)

Explanations

COOK COUNTY

The following list is considered as those days for which holiday rates of wages for work performed apply: New Years Day, Memorial Day, Fourth of July, Labor Day, Thanksgiving Day, Christmas Day and Veterans Day in some classifications/counties. Generally, any of these holidays which fall on a Sunday is celebrated on the following Monday. This then makes work performed on that Monday payable at the appropriate overtime rate for holiday pay. Common practice in a given local may alter certain days of celebration. If in doubt, please check with IDOL.

TRUCK DRIVERS (WEST) - That part of the county West of Barrington Road.

EXPLANATION OF CLASSES

ASBESTOS - GENERAL - removal of asbestos material/mold and hazardous materials from any place in a building, including mechanical systems where those mechanical systems are to be removed. This includes the removal of asbestos materials/mold and hazardous materials from ductwork or pipes in a building when the building is to be demolished at the time or at some close future date.

ASBESTOS - MECHANICAL - removal of asbestos material from mechanical systems, such as pipes, ducts, and boilers, where the mechanical systems are to remain.

CERAMIC TILE FINISHER

The grouting, cleaning, and polishing of all classes of tile, whether for interior or exterior purposes, all burned, glazed or unglazed products; all composition materials, granite tiles, warning detectable tiles, cement tiles, epoxy composite materials, pavers, glass, mosaics, fiberglass, and all substitute materials, for tile made in tile-like units; all mixtures in tile like form of cement, metals, and other materials that are for and intended for use as a finished floor surface, stair treads, promenade roofs, walks, walls, ceilings, swimming pools, and all other places where tile is to form a finished interior or exterior. The mixing of all setting mortars including but not limited to thin-set mortars, epoxies, wall mud, and any other sand and cement mixtures or adhesives when used in the preparation, installation, repair, or maintenance of tile and/or similar materials. The handling and unloading of all sand, cement, lime, tile, fixtures, equipment, adhesives, or any other materials to be used in the preparation, installation, repair, or maintenance of tile and/or similar materials. Ceramic Tile Finishers shall fill all joints and voids regardless of method on all tile work, particularly and especially after installation of said tile work. Application of any and all protective coverings to all types of tile installations including, but not be limited to, all soap compounds, paper products, tapes, and all polyethylene coverings, plywood, masonite, cardboard, and any new type of products that may be used to protect tile installations, Blastrac equipment, and all floor scarifying equipment used in preparing floors to receive tile. The clean up and removal of all waste and materials. All demolition of existing tile floors and walls to be re-tiled.

COMMUNICATIONS ELECTRICIAN

Installation, operation, inspection, maintenance, repair and service of radio, television, recording, voice sound vision production and reproduction, telephone and telephone interconnect, facsimile, data apparatus, coaxial, fibre optic and wireless equipment, appliances and systems used for the transmission and reception of signals of any nature, business, domestic, commercial, education, entertainment, and residential purposes, including but not limited to, communication and telephone, electronic and sound equipment, fibre optic and data communication systems, and the performance of any task directly related to such installation or service whether at new or existing sites, such tasks to include the placing of wire and cable and electrical power conduit or other raceway work within the equipment room and pulling wire and/or cable through conduit and the installation of any incidental conduit, such that the employees covered hereby can complete any job in full.

MARBLE FINISHER

Loading and unloading trucks, distribution of all materials (all stone, sand, etc.), stocking of floors with material, performing all rigging for heavy work, the handling of all material that may be needed for the installation of such materials, building of scaffolding, polishing if needed, patching, waxing of material if damaged, pointing up, caulking, grouting and cleaning of marble,

holding water on diamond or Carborundum blade or saw for setters cutting, use of tub saw or any other saw needed for preparation of material, drilling of holes for wires that anchor material set by setters, mixing up of molding plaster for installation of material, mixing up thin set for the installation of material, mixing up of sand to cement for the installation of material and such other work as may be required in helping a Marble Setter in the handling of all material in the erection or installation of interior marble, slate, travertine, art marble, serpentine, alberene stone, blue stone, granite and other stones (meaning as to stone any foreign or domestic materials as are specified and used in building interiors and exteriors and customarily known as stone in the trade), carrara, sanionyx, vitrolite and similar opaque glass and the laying of all marble tile, terrazzo tile, slate tile and precast tile, steps, risers treads, base, or any other materials that may be used as substitutes for any of the aforementioned materials and which are used on interior and exterior which are installed in a similar manner.

MATERIAL TESTER I: Hand coring and drilling for testing of materials; field inspection of uncured concrete and asphalt.

MATERIAL TESTER II: Field inspection of welds, structural steel, fireproofing, masonry, soil, facade, reinforcing steel, formwork, cured concrete, and concrete and asphalt batch plants; adjusting proportions of bituminous mixtures.

OPERATING ENGINEER - BUILDING

Class 1. Asphalt Plant; Asphalt Spreader; Autograde; Backhoes with Caisson Attachment; Batch Plant; Benoto (requires Two Engineers); Boiler and Throttle Valve; Caisson Rigs; Central Redi-Mix Plant; Combination Back Hoe Front End-loader Machine; Compressor and Throttle Valve; Concrete Breaker (Truck Mounted); Concrete Conveyor; Concrete Conveyor (Truck Mounted); Concrete Paver Over 27E cu. ft; Concrete Paver 27E cu. ft. and Under; Concrete Placer; Concrete Placing Boom; Concrete Pump (Truck Mounted); Concrete Tower; Cranes, All; Cranes, Hammerhead; Cranes, (GCI and similar Type); Creter Crane; Crusher, Stone, etc.; Derricks, All; Derricks, Traveling; Formless Curb and Gutter Machine; Grader, Elevating; Grouting Machines; Highlift Shovels or Front Endloader 2-1/4 yd. and over; Hoists, Elevators, outside type rack and pinion and similar machines; Hoists, One, Two and Three Drum; Hoists, Two Tugger One Floor; Hydraulic Backhoes; Hydraulic Boom Trucks; Hydro Vac (and similar equipment); Locomotives, All; Motor Patrol; Lubrication Technician; Manipulators; Pile Drivers and Skid Rig; Post Hole Digger; Pre-Stress Machine; Pump Cretes Dual Ram; Pump Cretes: Squeeze Cretes-Screw Type Pumps; Gypsum Bulker and Pump; Raised and Blind Hole Drill; Roto Mill Grinder; Scoops - Tractor Drawn; Slip-Form Paver; Straddle Buggies; Tournapull; Tractor with Boom and Side Boom; Trenching Machines.

Class 2. Boilers; Broom, All Power Propelled; Bulldozers; Concrete Mixer (Two Bag and Over); Conveyor, Portable; Forklift Trucks; Highlift Shovels or Front Endloaders under 2-1/4 yd.; Hoists, Automatic; Hoists, Inside Elevators; Hoists, Sewer Dragging Machine; Hoists, Tugger Single Drum; Rock Drill (Self-Propelled); Rock Drill (Truck Mounted); Rollers, All; Steam Generators; Tractors, All; Tractor Drawn Vibratory Roller; Winch Trucks with "A" Frame.

Class 3. Air Compressor; Combination Small Equipment Operator;

Generators; Heaters, Mechanical; Hoists, Inside Elevators; Hydraulic Power Units (Pile Driving, Extracting, and Drilling); Pumps, over 3" (1 to 3 not to exceed a total of 300 ft.); Low Boys; Pumps, Well Points; Welding Machines (2 through 5); Winches, 4 Small Electric Drill Winches; Bobcats (up to and including $\frac{3}{4}$ cu yd.) .

Class 4. Bobcats and/or other Skid Steer Loaders (other than bobcats up to and including $\frac{3}{4}$ cu yd.); Oilers; and Brick Forklift.

Class 5. Assistant Craft Foreman.

Class 6. Gradall.

Class 7. Mechanics.

OPERATING ENGINEERS - HIGHWAY CONSTRUCTION

Class 1. Asphalt Plant; Asphalt Heater and Planer Combination; Asphalt Heater Scarfire; Asphalt Spreader; Autograder/GOMACO or other similar type machines: ABG Paver; Backhoes with Caisson Attachment; Ballast Regulator; Belt Loader; Caisson Rigs; Car Dumper; Central Redi-Mix Plant; Combination Backhoe Front Endloader Machine, (1 cu. yd. Backhoe Bucket or over or with attachments); Concrete Breaker (Truck Mounted); Concrete Conveyor; Concrete Paver over 27E cu. ft.; Concrete Placer; Concrete Tube Float; Cranes, all attachments; Cranes, Tower Cranes of all types: Creter Crane: Crusher, Stone, etc.; Derricks, All; Derrick Boats; Derricks, Traveling; Dowell Machine with Air Compressor; Dredges; Formless Curb and Gutter Machine; Grader, Elevating; Grader, Motor Grader, Motor Patrol, Auto Patrol, Form Grader, Pull Grader, Subgrader; Guard Rail Post Driver Truck Mounted; Hoists, One, Two and Three Drum; Hydraulic Backhoes; Backhoes with shear attachments; Lubrication Technician; Manipulators; Mucking Machine; Pile Drivers and Skid Rig; Pre-Stress Machine; Pump Cretes Dual Ram; Rock Drill - Crawler or Skid Rig; Rock Drill - Truck Mounted; Rock/Track Tamper; Roto Mill Grinder; Slip-Form Paver; Soil Test Drill Rig (Truck Mounted); Straddle Buggies; Hydraulic Telescoping Form (Tunnel); Tractor Drawn Belt Loader (with attached pusher - two engineers); Tractor with Boom; Tractaire with Attachments; Trenching Machine; Truck Mounted Concrete Pump with Boom; Raised or Blind Hole Drills (Tunnel Shaft); Underground Boring and/or Mining Machines 5 ft. in diameter and over tunnel, etc; Underground Boring and/or Mining Machines under 5 ft. in diameter; Wheel Excavator; Widener (APSCO).

Class 2. Batch Plant; Bituminous Mixer; Boiler and Throttle Valve; Bulldozers; Car Loader Trailing Conveyors; Combination Backhoe Front Endloader Machine (Less than 1 cu. yd. Backhoe Bucket or over or with attachments); Compressor and Throttle Valve; Compressor, Common Receiver (3); Concrete Breaker or Hydro Hammer; Concrete Grinding Machine; Concrete Mixer or Paver 7S Series to and including 27 cu. ft.; Concrete Spreader; Concrete Curing Machine, Burlap Machine, Belting Machine and Sealing Machine; Concrete Wheel Saw; Conveyor Muck Cars (Haglund or Similar Type); Drills, All; Finishing Machine - Concrete; Highlift Shovels or Front Endloader; Hoist - Sewer Dragging Machine; Hydraulic Boom Trucks (All Attachments); Hydro-Blaster; All Locomotives, Dinky; Off-Road Hauling Units (including articulating)/2 ton capacity or more; Non Self-Loading Ejection Dump; Pump Cretes: Squeeze Cretes - Screw Type Pumps, Gypsum Bulker and Pump; Roller, Asphalt; Rotary Snow Plows; Rototiller, Seaman, etc., self-propelled;

Scoops - Tractor Drawn; Self-Propelled Compactor; Spreader - Chip - Stone, etc.; Scraper; Scraper - Prime Mover in Tandem (Regardless of Size): Tank Car Heater; Tractors, Push, Pulling Sheeps Foot, Disc, Compactor, etc.; Tug Boats.

Class 3. Boilers; Brooms, All Power Propelled; Cement Supply Tender; Compressor, Common Receiver (2); Concrete Mixer (Two Bag and Over); Conveyor, Portable; Farm-Type Tractors Used for Mowing, Seeding, etc.; Fireman on Boilers; Forklift Trucks; Grouting Machine; Hoists, Automatic; Hoists, All Elevators; Hoists, Tugger Single Drum; Jeep Diggers; Low Boys; Pipe Jacking Machines; Post-Hole Digger; Power Saw, Concrete Power Driven; Pug Mills; Rollers, other than Asphalt; Seed and Straw Blower; Steam Generators; Stump Machine; Winch Trucks with "A" Frame; Work Boats; Tamper-Form-Motor Driven.

Class 4. Air Compressor; Combination - Small Equipment Operator; Directional Boring Machine; Generators; Heaters, Mechanical; Hydraulic Power Unit (Pile Driving, Extracting, or Drilling); Hydro- Blaster; Light Plants, All (1 through 5); Pumps, over 3" (1 to 3 not to exceed a total of 300 ft.); Pumps, Well Points; Tractaire; Welding Machines (2 through 5); Winches, 4 Small Electric Drill Winches.

Class 5. Bobcats (all); Brick Forklifts; Oilers.

Class 6. Field Mechanics and Field Welders

Class 7. Gradall and machines of like nature.

OPERATING ENGINEER - FLOATING

Class 1. Craft Foreman; Diver/Wet Tender; and Engineer (hydraulic dredge).

Class 2. Crane/Backhoe Operator; 70 Ton or over Tug Operator; Mechanic/Welder; Assistant Engineer (Hydraulic Dredge); Leverman (Hydraulic Dredge); Diver Tender; Friction and Lattice Boom Cranes.

Class 3. Deck Equipment Operator, Machineryman; Maintenance of Crane (over 50 ton capacity); Tug/Launch Operator; Loader/Dozer and like equipment on Barge; and Deck Machinery, etc.

Class 4. Deck Equipment Operator, Machineryman/Fireman (4 Equipment Units or More); Off Road Trucks (2 ton capacity or more); Deck Hand, Tug Engineer, Crane Maintenance 50 Ton Capacity and Under or Backhoe Weighing 115,000 pounds or less; and Assistant Tug Operator.

TERRAZZO FINISHER

The handling of sand, cement, marble chips, and all other materials that may be used by the Mosaic Terrazzo Mechanic, and the mixing, grinding, grouting, cleaning and sealing of all Marble, Mosaic, and Terrazzo work, floors, base, stairs, and wainscoting by hand or machine, and in addition, assisting and aiding Marble, Masonic, and Terrazzo Mechanics.

TRAFFIC SAFETY

Work associated with barricades, horses and drums used to reduce lane usage on highway work, the installation and removal of temporary lane markings, and the installation and removal of temporary road signs.

TRUCK DRIVER - BUILDING, HEAVY AND HIGHWAY CONSTRUCTION - EAST & WEST

Class 1. Two or three Axle Trucks. A-frame Truck when used for transportation purposes; Air Compressors and Welding Machines, including those pulled by cars, pick-up trucks and tractors; Ambulances; Batch Gate Lockers; Batch Hopperman; Car and Truck Washers; Carry-alls; Fork Lifts and Hoisters; Helpers; Mechanics Helpers and Greasers; Oil Distributors 2-man operation; Pavement Breakers; Pole Trailer, up to 40 feet; Power Mower Tractors; Self-propelled Chip Spreader; Skipman; Slurry Trucks, 2-man operation; Slurry Truck Conveyor Operation, 2 or 3 man; Teamsters Unskilled dumpman; and Truck Drivers hauling warning lights, barricades, and portable toilets on the job site.

Class 2. Four axle trucks; Dump Crets and Adgetors under 7 yards; Dumpsters, Track Trucks, Euclids, Hug Bottom Dump Turnapulls or Turnatrailers when pulling other than self-loading equipment or similar equipment under 16 cubic yards; Mixer Trucks under 7 yards; Ready-mix Plant Hopper Operator, and Winch Trucks, 2 Axles.

Class 3. Five axle trucks; Dump Crets and Adgetors 7 yards and over; Dumpsters, Track Trucks, Euclids, Hug Bottom Dump Turnatrailers or turnapulls when pulling other than self-loading equipment or similar equipment over 16 cubic yards; Explosives and/or Fission Material Trucks; Mixer Trucks 7 yards or over; Mobile Cranes while in transit; Oil Distributors, 1-man operation; Pole Trailer, over 40 feet; Pole and Expandable Trailers hauling material over 50 feet long; Slurry trucks, 1-man operation; Winch trucks, 3 axles or more; Mechanic--Truck Welder and Truck Painter.

Class 4. Six axle trucks; Dual-purpose vehicles, such as mounted crane trucks with hoist and accessories; Foreman; Master Mechanic; Self-loading equipment like P.B. and trucks with scoops on the front.

Other Classifications of Work:

For definitions of classifications not otherwise set out, the Department generally has on file such definitions which are available. If a task to be performed is not subject to one of the classifications of pay set out, the Department will upon being contacted state which neighboring county has such a classification and provide such rate, such rate being deemed to exist by reference in this document. If no neighboring county rate applies to the task, the Department shall undertake a special determination, such special determination being then deemed to have existed under this determination. If a project requires these, or any classification not listed, please contact IDOL at 217-782-1710 for wage rates or clarifications.

LANDSCAPING

Landscaping work falls under the existing classifications for laborer, operating engineer and truck driver. The work performed by landscape plantsman and landscape laborer is covered by the existing classification of laborer. The work performed by landscape operators (regardless of equipment used or its size) is covered by the classifications of operating engineer. The work performed by landscape truck drivers (regardless of size of truck driven) is covered by the classifications of truck driver.

THE VILLAGE OF FRANKLIN PARK

**BID SPECIFICATIONS
FOR
SOIL REMEDIATION**

DOWNTOWN FRANKLIN AVENUE REDEVELOPMENT SITE

**PHASE 2 REDEVELOPMENT AREA
9602-9624 FRANKLIN AVENUE
Franklin Park, Illinois**

NOVEMBER 17, 2011

TABLE OF CONTENTS

Introduction
Remediation Site Conditions
Remediation Approach
Contractor Responsibilities
Contractor Work Scope
Bid Form

ATTACHMENTS

Attachment A – Figures

Figure 1 Site Location Map
Figure 2 Site Base Map
Figure 3 Proposed Remedial Action Soil Excavation Limits

Attachment B – Health & Safety Information

Site Safety Information
Hospital Route Map
Information for Chemicals of Concern

Attachment C – Site Data and Analytical Tables

IEPA Approval of Contained-Out Determination
Laboratory Analytical Data Summary Tables
Waste Characterization Laboratory Report

BID SPECIFICATIONS FOR SOIL REMEDIATION PHASE 2 REDEVELOPMENT AREA FRANKLIN PARK, ILLINOIS

INTRODUCTION

V3 Companies (V3 or the “Engineer”) was retained by the Remediation Applicant (RA), Village of Franklin Park, to perform site investigations, remediation planning and oversight of the Phase 2 Redevelopment Area, hereafter referred to as the “Site”. The goal of these remediation activities is to obtain a “comprehensive” No Further Remediation Letter (NFR) for the Site from the Illinois EPA Site Remediation Program (SRP). The Illinois EPA site identification number is LPC# 0310965424.

The Site is approximately 1.4-acres in area, and includes 11-lots located on the north side of Franklin Avenue (9602-9624 Franklin Avenue), between Calwagner Avenue and Rose Street (25th Street) in downtown Franklin Park, Cook County, Illinois. Refer to **Figure 1** and **Figure 2** in **Attachment A** for the Site location.

Prior site investigations consisted of test pits, soil borings and monitoring wells. Excavation, removal and land fill disposal of VOC-impacted soil related to a former heating oil tank, were performed in May 2007, as an interim remedial measure during demolition at the Site.

Mandatory Pre-Bid Site Meeting

A mandatory informational site meeting and tour of the locations where the soil remediation is taking place will be held on **November 22, 2011 at 9:00 a.m.**, on the northwest corner of Rose St. (25th Street) and Franklin Avenue. It is mandated that firms planning to submit a proposal attend this meeting and tour the Site. This will be the only opportunity to discuss the project, tour the site, and ask questions about the scope of services and other requirements of this RFP.

Planned Remediation Activities

Remediation activities that are the subject of these Bid Specifications include the excavation, transportation and disposal of materials and contaminants of concern (COCs) present in the following areas (refer to **Figure 3** in **Attachment A**):

- A concrete floor slab covering the remediation area.
- Soils impacted with Volatile Organic Compounds (VOCs) related to the former dry cleaning operations.
- A TCLP lead hot spot located within the VOC-impacted soil remediation area, which will be cleaned up along with these impacted soils related to the former dry cleaner.
- Soils impacted by petroleum compounds (Polynuclear Aromatic Hydrocarbons [PAHs]) associated with a former heating oil underground storage tank (UST) that was previously removed.

The remedial activities for the Site also include the following items:

- Break up the concrete floor slab that covers the remediation area and stockpile it on site for later use as backfill for the remediation excavations.
- Remediate (excavate, transport and dispose) those soils and fill materials exhibiting field indications of contamination (via photoionization detector [PID], odors, visual evidence of staining), which that are encountered during remediation activities, but which may not

exceed Illinois EPA remediation objectives, in order to prevent impacted soils from being used as fill materials at the Site or off site.

- Remediate (pump, transport and dispose) any perched water encountered during soil remediation activities.
- Backfill remediation excavations with stockpile of concrete slab rubble. Knock down and grade smooth the edges of the remediation excavations to a safe slope.
- At a later date, backfill the remaining excavations up to the adjacent ground surface using materials provided by the Village of Franklin Park (separate Bid Specifications and Bid Form are attached).

Minority Participation Goals

The remediation project described herein is being funded by a USEPA Cleanup grant awarded to the Village of Franklin Park. The grant includes participation goals for Minority-owned Business Enterprise (MBE) and Women-owned Business Enterprise (WBE). To help achieve the MBE / WBE goals, the Village and USEPA have established a goal of 18% WBE participation for the contracted remediation services. The Contractor must supply a utilization plan stating how the 18% WBE goal will be achieved, and names of all participating WBE firms including address and contact information. The Bidder must also supply a current WBE certification for each participating WBE. WBE certifications from nationally or locally recognized organizations will be considered. Compliance with WBE goals is a requirement of the Bid Requirements and failure to comply may be considered a non-responsive Bid.

REMEDIATION SITE CONDITIONS

Refer to **Attachment B** for information regarding Health and Safety matters related to the site COCs. **Attachment C** contains summary tables of laboratory analytical results.

A concrete floor slab covers the remediation area, which must be broken up and removed from the site before soil remediation can begin. The slab is estimated to be about 1,400 square feet (sf) in area and 6 inches thick.

TCLP lead soil concentrations within the proposed dry cleaner remediation area (Figure 3) range from less than laboratory detection limits of 0.05 mg/L to the highest level of 0.087 mg/L at one location (P2-GP-105), from 2 to 4 feet below ground surface (bgs). TCLP impacted soils will be excavated as part of the dry cleaner remediation discussed below.

Tetrachloroethene (PCE), trichloroethene (TCE), 1,2-dichloroethene (DCE) and vinyl chloride (VC) concentrations within soils are present within the northern half of the dry cleaner lot (**Figure 3**). VOC concentrations within the area of contamination vary from:

- Less than the Tier 1 Class I soil component of the groundwater ingestion route ROs of 0.01-0.06 mg/kg, to
- A high concentration of 49.9 mg/kg for PCE, 13.7 mg/kg for TCE, 4.54 mg/kg for DCE and 0.0254 for VC at one location (south of the former dry cleaning machines and adjacent to the spot cleaning area within 2 feet of the ground surface, and below a concrete slab).

In general, concentrations above Tier 1 ingestion or inhalation remediation objectives (ROs) are found at depths of approximately 0 to 4 feet below ground surface (bgs) and in an approximate 45 feet by 60 feet area. From 4 to 10 feet bgs, only VOC concentrations above Class I soil component of the groundwater ingestion route RO were identified.

DCE and VC were identified in one water sample (P2-MW-1) at a concentration above the Class I groundwater ingestion RO. The location of the groundwater impact is the same location as the high VOC impacts south of the former dry cleaning machines and adjacent to the spot cleaning area. Based on the geology of the Site and lack of continuous water bearing units, the groundwater is perched and the impact is isolated to the immediate area.

The Engineer submitted a "Contained-Out Determination Request" of the Contained-In Policy to the IEPA regarding the listed dry cleaning COCs. A concurrence letter was received November 18, 2008 (**Attachment B**) to dispose of the VOC-impacted soils as special non-hazardous waste instead of as a listed hazardous waste. The determination was contingent upon the soils not having hazardous characteristics under RCRA and concentrations below 10 times above the Universal Treatment Standards (UTS), and are therefore not subject to Land Disposal Restriction (LDR) treatment standards under 35 IAC Part 728.149.

REMEDIATION APPROACH

As introduced above, remediation at the Site will include three primary actions designed to meet the remediation goals for the Site:

- Break up and stockpile the concrete floor slab on site, then perform remediation (excavate, transport and dispose) of those soils with TCLP Lead, VOC and PAH concentrations that are in excess of Tier 1 ROs.
- Remediate (excavate, transport and dispose) those soils and fill materials exhibiting field indications of contamination (via photoionization detector [PID], odors, visual evidence of staining), which that are encountered during remediation activities, but which may not exceed Illinois EPA remediation objectives, in order to prevent impacted soils from being used as fill materials at the Site or off site.
- Perform remediation (pump, transport and dispose) of any perched water encountered during soil remediation.
- Backfill remediation excavations with stockpile of concrete slab rubble. Knock down and grade smooth the edges of the remediation excavations to a safe slope.
- At a later date (Spring 2012), backfill the remaining excavations up to the adjacent ground surface using materials provided by the Village of Franklin Park (separate Bid Specifications and Bid Form are attached).

The following sections discuss the remediation approach related to these three actions.

Remediation Overview

The specific areas of soil to be removed and disposed include the following (refer to **Figure 3**):

Dry Cleaner Excavation

- The concrete floor slab (approximately 1,500 sf and 6 inches thick) will be broken up and stockpiled on site, to be used as backfill in the completed remediation excavations.
- The area of soil that exceeds Tier 1 ROs for VOCs in soil and groundwater will be excavated and disposed of off-site as special non-hazardous waste. The TCLP lead hot spot will also be removed as part of this work. The VOC-impacted area is roughly 50 x 60 feet in size, but may vary based on the eastern side of the plume. The maximum depth will range from 8.5 to 12 feet bgs, depending on the distance from the main impact. The objective of this removal is to achieve Tier 1 ROs for Site COCs and remove any other impacted soils that are not suitable for use as fill materials at other locations at the Site or off site.

Northern Heating Oil UST Excavation

- An area approximately 10 x 10 feet and 6 feet deep, where the north heating oil UST was formerly located will be excavated and soils will be disposed of as special non-hazardous waste. The objective of this removal is to achieve Tier 1 ROs for PAHs and remove any other impacted soils that are not suitable as fill material at other locations at the Site or offsite.

Soil Remediation Areas

Based on the areas identified above, approximately 30 cubic yards (cy) of concrete floor slab will be broken up and stockpiled on site, for later use as backfill in the completed remediation excavations. Approximately 1,100 cy of impacted soil (approximately 2,200 tons) will be excavated and disposed at a licensed landfill. Any perched water encountered in the remediation excavation that comes in direct contact with impacted soils must be pumped out and disposed at an off-site facility by a licensed liquid waste hauler/disposal company.

Waste Characterization and Landfill Approvals

In 2008, the Engineer collected a waste characterization sample from the VOC-impacted soils. The analytical results are presented for informational purposes only, at the end of **Attachment C**. The Bidder should assume that Engineer will collect a current waste characterization sample for the TCLP lead, VOC and PAH impacted soils, and will submit it to a laboratory for chemical analysis. Bidder will provide Engineer with the name of the disposal facility intended to be used. Engineer will prepare the waste profile documents and obtain landfill acceptance for all soils to be remediated and disposed.

Engineer's Role

The Engineer's role in the implementation of remedial actions at the Site will include activities such as Project Management, remediation oversight, and the collection of quality control and soil verification samples to confirm that cleanup levels have been attained and remedial actions are complete.

Engineer's specific duties and responsibilities include:

- Lay out the general remediation area boundaries in the field.
- Prepare the landfill waste profile documents and obtain landfill acceptance for all soils to be remediated and disposed.
- Provide general guidance in the field for the remediation contractor and document field activities.
- Monitor the field work and determine when the apparent remediation excavation limits have been reached.
- Collect soil remediation verification samples and submit for laboratory chemical analysis.
- Compare analytical results to Illinois EPA TACO Tier 1 Industrial/Commercial remediation objectives. Determine if analytical results meet the remediation objectives for the Site. If not, additional excavation, disposal and verification sampling will be required to determine if the limits of the remediation excavation are "clean".
- Maintain communications with the Village and the Remediation Contractor.

CONTRACTOR RESPONSIBILITIES

1. At all times, CONTRACTOR is responsible for the health and safety of its personnel and its subcontractor's personnel. ENGINEER shall not be responsible for ensuring appropriate health and safety practices are followed. CONTRACTOR shall designate appropriate site health and safety personnel.

2. All personnel working on site are responsible for complying with the requirements of ENGINEER's Safety Information Document. CONTRACTOR shall provide ENGINEER with a copy of its Health and Safety Plan that incorporates ENGINEER's Safety Information Document. CONTRACTOR's Health and Safety Plan must be as stringent as ENGINEER's.
3. CONTRACTOR shall be responsible for clearing underground utilities.
4. With regard to remediation excavations, at no time is any worker allowed into excavations without adhering to OSHA standards for entering open excavations. CONTRACTOR is responsible for any sloping and/or shoring of excavation areas, if required. CONTRACTOR shall be responsible for stabilizing the slopes of excavations. Orange fencing shall be required around open excavations during non-working hours.
5. CONTRACTOR shall employ OSHA-trained personnel to perform site work. This includes all subcontracted company personnel that will be working at the site. The minimum requirement is the successful completion of a 40-hour Hazardous Waste Site Worker course in accordance with OSHA 29 CFR 1910.120 and/or Hazardous Waste Operations and Emergency Response (and completion of an 8-hour refresher course) and/or Confined Space Entry Training in accordance with OSHA 29 CFR 1910.146, depending on the job responsibility of each person working at the site. An approved and/or certified contractor must have provided the training.
6. CONTRACTOR shall complete the **Soil Remediation Bid Form** following this Bid Specifications for Soil Remediation and provide unit costs for each line item, based on the estimated quantities provided. These line items are discussed in greater detail within the specifications below.
7. The CONTRACTOR shall submit the following documentation regarding the CONTRACTOR's company, their personnel, and same for subcontracted companies and their personnel, as applicable, as an attachment to their bid:
 - a. Statement of Qualifications or company brochures.
 - b. Resumes or biographies indicating qualifications of key personnel.
 - c. OSHA and other applicable training certifications for CONTRACTOR'S personnel and all subcontractors that will be working on site.
 - d. Sample insurance certificate demonstrating CONTRACTOR'S insurance coverages.
 - e. Written proof documenting CONTRACTOR's use of WBE subcontractors, if applicable.
 - f. Listing of all equipment owned by CONTRACTOR that will be available to complete the work in this contract.
8. CONTRACTOR shall investigate and familiarize himself with all laws, ordinances, and regulations applicable to the CONTRACTOR WORK SCOPE regarding prevailing wage scales and the Davis-Bacon and Related Acts (DBRA).
9. CONTRACTOR is required to specify projected date(s) and timelines of the project work in the RFP response. In addition, CONTRACTOR must notify ENGINEER's Project Manager not less than seven days prior to commencement of any work activities.

SOIL REMEDIATION CONTRACTOR WORK SCOPE

1. Mobilize all equipment, personnel and supplies necessary to perform the CONTRACTOR WORK SCOPE, and demobilize same. Prior to demobilization, properly

decontaminate all equipment and dispose decontamination water, field waste materials and contaminated PPE appropriately.

2. Provide a 10 cubic yard roll-off box to be used for disposal of general refuse. Assume roll-off box will be on-site for the duration of the project.
3. Break up and stockpile the concrete slab on site, to be used to backfill the completed remediation excavations.
4. Excavate, transport and dispose all contaminated soil as a non-hazardous special waste to a licensed landfill. ENGINEER will coordinate with Village to obtain owner / generator signature for waste manifests, as needed.
5. Provide a backhoe and operator to assist ENGINEER as needed, in collecting soil remediation verification samples from the limits of the remediation excavations. ENGINEER will submit samples to the laboratory and analyze on a 24-hour RUSH basis.
6. CONTRACTOR shall employ proper chemical decontamination practices for personnel and equipment while excavating, loading or otherwise handling contaminated materials. Waste materials (e.g., personnel protective equipment [PPE], field supplies and decontamination water [if generated]) shall be properly collected, containerized and disposed, per applicable regulations.
7. CONTRACTOR will remain available during project downtime (if this occurs), while ENGINEER awaits analytical results for verification samples collected from the limits of the excavations. For example, CONTRACTOR should assume that if ENGINEER collects verification samples on Day 1, then laboratory testing will occur on Day 2, and CONTRACTOR should be available to continue work in same area on Day 3 (if results indicate that additional excavation is required).
8. If analytical results for soil verification samples are “clean”, CONTRACTOR shall backfill the excavation as indicated below. If results indicate that more soil must be excavated and disposed, CONTRACTOR shall proceed under the direction of ENGINEER.
9. For groundwater encountered in excavations during active remediation, CONTRACTOR shall pump out, transport and dispose this perched water.
10. Rain water present in a remediation excavation that has already been proven “clean” (completed) can remain in the excavation. At ENGINEER’s discretion, perched water encountered in excavations not yet proven “clean” shall either remain in excavation or be pumped out and temporarily stored in a Baker Tank, or equivalent, for later characterization, transport, and disposal according to applicable regulatory requirements.
11. Backfill the open remediation excavations that have been verified “clean” by ENGINEER, with the concrete slab rubble that was previously stockpiled on site.
12. Knock down and grade smooth the edges of the remediation excavations to a safe slope. CONTRACTOR to determine what is a safe slope, per applicable Federal, State and Local specifications, codes and guidelines.
13. Following completion of field activities and prior to project close out, CONTRACTOR shall submit the following to the ENGINEER: Copies of all load tickets and manifests certifying destination, receipt and manner of disposal and destruction of all wastes generated at the Site.

SOIL REMEDIATION BID FORM

NAME OF FIRM: _____

BID FOR: REMEDIATION BID SPECIFICATION
 PHASE 2 REDEVELOPMENT AREA
 FRANKLIN PARK, ILLINOIS

EACH BID SHALL INCLUDE:

- A. THE BID FORM
- B. ALL OTHER ITEMS SPECIFIED IN THE BID SPECIFICATIONS FOR SOIL REMEDIATION

BASE BID: THE BIDDER AGREES TO PERFORM ALL WORK FOR THE ABOVE TRADE, EXCLUSIVE OF ALTERNATE BIDS, FOR THE SUM OF:

\$ _____

UNIT PRICES: Please complete all line items and fill in all open blanks.

ITEM	UNIT	ESTIMATED QUANTITY	Mult.	UNIT PRICE BID	ESTIMATED BID PRICE
1a. Mobilization / Demobilization	Lump Sum	1	X		=
1b. <u>Contingency</u> : Additional Mobe / Demobe of remediation equipment	Each	0	X		=
2. Deliver, transport & dispose 10-yard roll-off box containing general refuse	Day	1	X		=
3. Break up and stockpile the concrete slab on site	Lump Sum	1	X		=
4. Excavate, transport and dispose impacted soils as non-hazardous special waste	Ton	2,200	X		=
5. Provide backhoe and operator to assist ENGINEER in collecting soil verification samples	Hour	4	X		=
6. <u>Contingency</u> : Provide and install shoring in remediation excavations (if required)	Lump Sum	0	X		=
7. Provide and secure orange fencing around open excavations during non-working hours	Lump Sum	1	X		=
8a. <u>Contingency</u> : Perched water in excavation: pump out, temporarily store in tank (includes delivery / decon / pick-up of storage tank); assume total of 5 work days for tank to be on site and a 1,000-gal tank	Lump Sum	0	X		=

9b. Contingency: Perched water in excavation: collect sample, laboratory analytical waste characterization and obtain waste acceptance for water stored in tank	Lump Sum	0	X		=	
9c. Contingency: Perched water in excavation: transport & dispose water stored in tank; assume 500 gallons of water	Gallon	0	X		=	
10. Load, transport and backfill excavations with on-site stockpiled concrete rubble	Lump Sum	1	X		=	
11. Knock down and grade smooth the edges of the remediation excavations to a safe slope	Lump Sum	1	X		=	

BACKFILL OF REMEDIATION EXCAVATIONS (to be completed in Spring 2012)

1. Mobilize all equipment, personnel and supplies necessary to perform the BACKFILL OF REMEDIATION EXCAVATIONS, and demobilize same. Prior to demobilization, dispose of decontamination water, field waste materials and contaminated PPE appropriately.
2. Rain water present in the remediation excavations can remain in the excavation.
3. Engineer will be responsible for testing Village's backfill source material, to determine suitability for use at the site.
4. CONTRACTOR shall load backfill materials at the Village's source location, and transport and place backfill materials in the open remediation excavations that have been verified "clean" by ENGINEER.
 - a. For estimating purposes, assume that the total volume of backfill required to bring the excavations up to existing ground surface grade is 1,070 cubic yards of material, and that the material exists as a stockpile (i.e., no excavating at the backfill source site will be required).
 - b. Assume that the backfill source material is located within a 20-mile radius of the site.
 - c. Assume that the source material does not require mechanical compaction efforts (i.e., the placement and wheel-rolling of backfill materials using a large dozer will be sufficient).
5. Following completion of field activities and prior to project close out, CONTRACTOR shall submit the following to the ENGINEER: Copies of all load tickets certifying source of fill materials.

BACKFILL OF REMEDIATION EXCAVATIONS BID FORM

NAME OF FIRM: _____

BID FOR: BACKFILL OF REMEDIATION EXCAVATIONS
 PHASE 2 REDEVELOPMENT AREA
 FRANKLIN PARK, ILLINOIS

EACH BID SHALL INCLUDE:

- C. THE BID FORM
- D. ALL OTHER ITEMS SPECIFIED IN THE BID SPECIFICATIONS FOR SOIL REMEDIATION

BASE BID: THE BIDDER AGREES TO PERFORM ALL WORK FOR THE ABOVE TRADE, EXCLUSIVE OF ALTERNATE BIDS, FOR THE SUM OF:

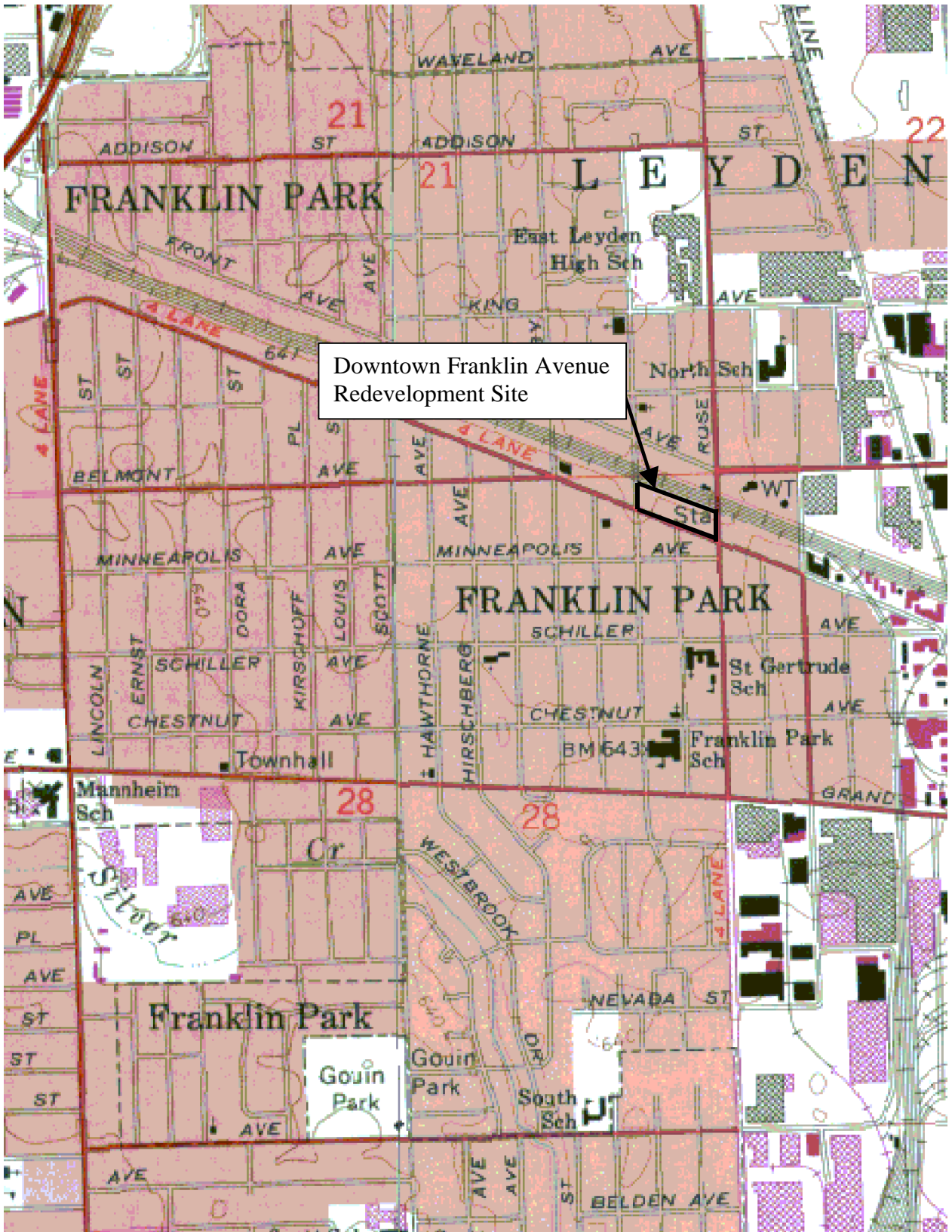
\$ _____

UNIT PRICES: Please complete all line items and fill in all open blanks.

ITEM	UNIT	ESTIMATED QUANTITY	Mult.	UNIT PRICE BID	=	ESTIMATED BID PRICE
1. Mobilization / Demobilization	Lump Sum	1	X		=	
2. Load fill at Village's source location, transport and place fill in open remediation excavations	CY	1,070	X		=	
3. Provide and secure orange fencing around open excavations during non-working hours	Lump Sum	1	X		=	

Figures

Figure 1	Site Location Map
Figure 2	Site Base Map
Figure 3	Proposed Remedial Action Soil Excavation Limits



<p>V3 COMPANIES</p>	<p>TITLE: SITE LOCATION MAP</p>		<p>PROJECT: DOWNTOWN FRANKLIN AVENUE REDEVELOPMENT, FRANKLIN PARK, IL</p>		
<p>Engineers Scientists Surveyors</p>	<p>CLIENT: VILLAGE OF FRANKLIN PARK</p>		<p>PROJECT NO. 02077</p>	<p>FIGURE I</p>	<p>SHEET: I OF: I</p>
<p>120 North LaSalle Street, Suite 1550 Chicago, Illinois 60602 (312) 419-1985</p>	<p>9500 BELMONT AVENUE FRANKLIN PARK, IL 60131</p>		<p>FILE NAME: FIG 1</p>	<p>DATE: 08-04-06</p>	<p>SCALE: NTS</p>

PHASE 1 REDEVELOPMENT BOUNDARY

CHICAGO, MILWAUKEE, ST. PAUL & PACIFIC RAILROAD

PHASE 2 REDEVELOPMENT (SITE) BOUNDARY

ROSE AVENUE / 29TH STREET

PARKING LOT

FORMER HEATING OIL TANKS

FORMER ALLEY

CONCRETE FOUNDATION

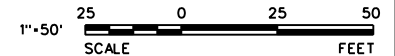
62 9660 9624 9622 9620 9618 9616 9612 9610 9606 9604 9602

LEGEND

 BUILDING

FOCUSED AREA OF REMEDIATION
SEE FIGURE 3

FRANKLIN AVENUE



V3 Companies
7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
630.724.9202 fax
www.v3co.com

REVISIONS

NO.	DATE	DESCRIPTION

PROJECT NO.:	02077	DESIGNED BY:	RKB
FILE NAME:	FIG2BASE02077	DRAWN BY:	RKB
DATE:	05/20/11	CHECKED BY:	RKB
SCALE:	1"=50'	PROJECT MANAGER:	RKB

SITE BASE MAP

FRANKLIN AVENUE PHASE 2

FRANKLIN PARK

ILLINOIS

DRAWING NO.

2

Visio, Vertere, Virtute... *The Vision to Transform with Excellence*

THIS DOCUMENT IS THE PROPERTY OF V3 COMPANIES AND NO PART HEREIN SHALL BE USED EXCEPT FOR THIS SPECIFIC PROJECT WITHOUT THE WRITTEN CONSENT OF V3 COMPANIES

11/LWD-1YF8031v31l_p1200210207710drawing1Mstn1V81Bid1Fig2base02077.dgn 7/8/2011 3:58:48 PM

PARKING



FORMER HEATING OIL UST

VACATED ALLEY



REMAINING CONCRETE FOUNDATION (APPROX.)

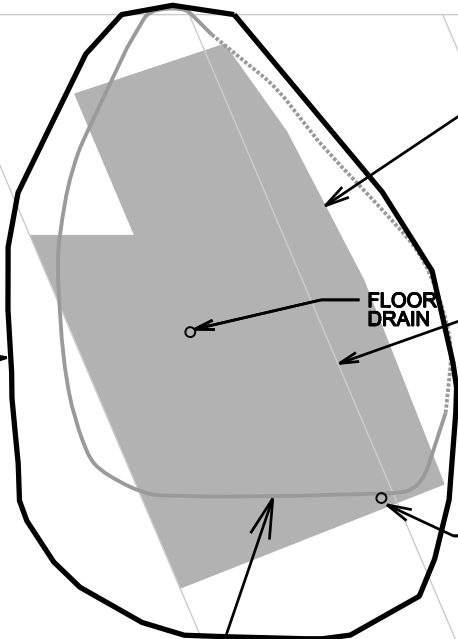
LOCATION OF HIGHEST SOIL IMPACTS IDENTIFIED

FLOOR DRAIN

FLOOR DRAIN

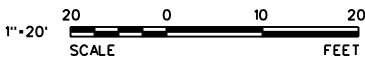
APPROXIMATE AREA OF SOIL IMPACTS TO BE EXCAVATED AND DISPOSED AT LANDFILL

APPROXIMATE LIMITS OF TIER 1 REMEDIATION OBJECTIVE EXCEEDANCES



9616 FRANKLIN AVE.

9610 FRANKLIN AVE.



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PROJ. NO:	DESIGNED BY:
02077	KJW
FILE NAME:	DRAWN BY:
Fig3rem02077	KJW
DATE:	CHECKED BY:
05/20/11	RKB
SCALE:	PROJ. MAN.:
1"=20'	RKB

**PROPOSED REMEDIAL ACTION
SOIL EXCAVATION LIMITS**

**FRANKLIN AVENUE
REDEVELOPMENT PHASE 2**
FRANKLIN PARK ILLINOIS

DRAWING NO.

3

SAFETY INFORMATION DOCUMENT
FOR REMEDIATION OF

9602-9624 FRANKLIN AVENUE

FRANKLIN PARK, ILLINOIS

OCTOBER 2011

PREPARED FOR:
VILLAGE OF FRANKLIN PARK

PREPARED BY:
V3 COMPANIES
WOODRIDGE, ILLINOIS

Project No. 02077CU2010.HAZ

This Safety Information Document does not supersede or in any way relieve contractors or subcontractors of their obligations under any applicable OSHA regulations including 29 CFR 1910: Occupational Safety and Health Standards and 29 CFR 1926: Health and Safety Regulations for Construction.

The health and safety procedures set forth in this safety information document are based on the site conditions and chemical hazards known or expected to be present using site data available at the time this document was written. The Village of Franklin Park and V3 Companies shall not be responsible for ensuring appropriate health and safety practices are followed by the contractor and subcontractors. Contractor and subcontractors shall designate appropriate site health and safety personnel.

INTRODUCTION

This Safety Information Document provides guidelines necessary to protect the health and safety of personnel during field activities. Tasks to be completed include:

- Soil excavation, transportation and disposal
- Soil sampling

SITE DESCRIPTION AND HISTORY

The Sites location and immediate vicinity are shown on Figures 1 and 2 (see attached as part of bid package). The Site is at the corner of Rose Street (25th Street) and Franklin Avenue in the downtown area. The property consists of a vacant lot that formerly contained mixed-use buildings. Historically, the site contained a heating oil tank and a dry cleaning business. Residual soil impacts remain, for which this plan has been prepared.

WORK DESCRIPTION

- Use of a backhoe to excavate contaminated soils and place into trucks or roll-off boxes directly.
- Use of trucks to transport excavated materials to landfill for disposal.
- Use of a backhoe to assist environmental consultant in sampling soil for environmental testing purposes.

OVERALL HAZARD RATING: High () Low (X) Unknown ()

Basis: Investigation will be conducted using appropriate personal protective equipment (PPE). Based on previous site investigations, lead, naphthalene, benzo(a)anthracene and VOCs are present within the shallow soils (e.g., to 10 feet depth) site-wide.

SURROUNDING LAND USE: Residential (X) Industrial/Commercial (X)
Unknown ()

CONTAMINATED MEDIA: Soil (X) Sediment () Air ()
Surface Water () Ground Water (X)
Other _____(specify)

CONTAMINANT:

KNOWN (LIST): Metal (Lead), SVOCs (naphthalene, benzo(a)anthracene), VOCs (vinyl chloride, 1,2-dichloroethylene, trichloroethylene and tetrachloroethylene)

<u>Chemical</u>	<u>Media</u>
1. Metal	Soil

One elevated lead concentration was identified in the former dry cleaner area and is considered an isolated “hotspot” at one location (P2-GP-105) ranging from 2 to 4 feet. TCLP lead concentration exceed the Class I groundwater ingestion RO at this sample location. Surrounding samples did not identify elevated lead concentrations.

- Lead: TCLP concentrations in soil exceed the following ROs: Class I groundwater pathway RO.

2. VOCs Soil and groundwater

VOC concentrations in soils are limited to the northern end of the former dry cleaners. Samples have identified concentrations from the surface in a limited area to deeper soils 8-10 feet. See attached figures for delineated areas of VOCs.

A groundwater sample taken within the source of VOC impacts did identify 2 VOCs concentrations above the Class I groundwater ingestion RO. VOCs were not detected in the surrounding groundwater samples.

- Tetrachloroethylene or perchloroethylene (PCE): Concentrations in soil exceed the residential ingestion and inhalation exposure pathway RO, the construction worker inhalation exposure pathway RO, and the soil component of the Class I groundwater pathway RO.
- Trichloroethylene (TCE): Concentrations in soil exceed the residential inhalation exposure pathway RO, the construction worker inhalation exposure pathway RO, and the soil component of the Class I groundwater pathway RO.
- 1,2-Dichloroethylene (DCE): Concentrations in soil exceed the soil component of the Class I groundwater pathway RO. Concentrations in groundwater exceed the Tier 1 Class I groundwater RO.

- Vinyl chloride: Concentrations in soil exceed only the soil component of the Class I groundwater pathway RO. Concentrations in groundwater exceed the Tier 1 Class I groundwater RO.

3. SVOCs Soil

SVOCs/PAHs are located where the former heating oil tank was removed. The SVOC/PAH exceedances are from the north and south end of the tank excavation from the 4 to 5 feet bgs.

- Benzo(a)anthracene: Concentrations in soil exceed the following ROs: residential ingestion exposure pathway RO, the construction worker inhalation exposure pathway RO and the soil component of the Class I groundwater pathway RO.
- Naphthalene: Concentrations in soil exceed only the construction worker inhalation exposure pathway RO.

PHYSICAL HAZARD DESCRIBE, if any: Tripping and slipping.

BIOLOGICAL HAZARD DESCRIBE, if any: Unknown

RADIOLOGICAL HAZARD DESCRIBE, if any: None

CONFINED SPACE: Yes () No (X) Unknown ()

If yes, employees must be trained in confined space entry and monitoring procedures.

Toxic Vapors Yes () No () Unknown ()

Oxygen Depletion Yes () No () Unknown ()

Explosivity Yes () No () Unknown ()

Principle Route of Chemical Exposure: Dermal contact, ingestion and inhalation.

LABORATORY LEVEL OF PROTECTION:

- Safety Boots - Steel toe/steel shank
- Well ventilated area, under laboratory hood
- Safety Glasses with side shields
- Face Shield
- Outer Gloves - neoprene or nitrile
- Boot Covers - latex
- Chemical Resistant Clothing - Polycoated Tyvek

- Inner Gloves - latex or vinyl

SITE LEVEL OF PROTECTION: Level of Protection: Level D with upgrades to Level D-Modified or Level C.

Level D:

Level D is to be worn during activities that do not suggest any initial respiratory or dermal health hazards. The following list outlines the personal protective equipment to be utilized for Level D.

- Work Uniform
- Safety Boots - Steel toe/steel shank
- Hard Hat
- Safety Glasses with side shields*
- Face Shield*
- Hearing Protection*

Level D-Modified:

Level D-Modified is to be worn during activities, which do not suggest any respiratory hazards, but where dermal protection is warranted.

- Safety Boots - Steel toe/steel shank
- Hard Hat
- Safety Glasses with side shields*
- Face Shield*
- Hearing Protection*
- Outer Gloves - neoprene or nitrile
- Boot Covers - latex
- Chemical Resistant Clothing - Polycoated Tyvek
- Inner Gloves - latex or vinyl

Level C:

Level C should be worn where the criteria for using air-purifying respirators are met, and a higher level of dermal protection is needed. Criteria for using an air-purifying respirator include chemicals with good warning properties, oxygen between 19.5 and 23.5% and a chemical cartridge must be available for chemicals in question.

- Safety Boots - Steel toe/steel shank
- Hard Hat
- Face Shield*
- Hearing Protection*
- Outer Gloves - neoprene or nitrile
- Boot Covers - latex
- Chemical Resistant Clothing - Polycoated Tyvek
- Full-Face Air Purifying Respirator
- Respirator Cartridge - GMC-H
- Inner Gloves - vinyl or latex

* Optional PPE - Use as needed.

CRITERIA FOR UPGRADE:

Action levels for known contaminants shall be based on the PEL or TLVs of the contaminants, whichever level is the most conservative. Action levels for unidentified total atmospheric organic contaminants are based on the following:

Instrument Reading for One Minute in the Breathing Zone	Action
Background	Level D
Above background to <5 ppm above background	Don respirator or leave area until readings return to background.
>5 ppm above background	Level C or leave area. Evaluate cause.

DECONTAMINATION PROCEDURE:

Wash hands and face before leaving the facility.

DISPOSAL PROCEDURE:

Bag protective clothing and dispose of with contaminated materials into trucks or roll-off boxes.

EQUIPMENT DECONTAMINATION:

Decontamination of all heavy equipment will be performed at a designated area. Decontamination will involve a high-pressure steam-cleaning of all equipment which will come in contact with subsurface material. Additional scrubbing may be required to remove encrusted materials. Decontamination of heavy equipment will occur between sites, as well as at the completion of such equipment's use on Site.

CHEMICAL HAZARD SUMMARY

Chemical summary information related to the identified site contaminants is attached.

Volatile Organic Compounds

Volatile Organic Compounds (VOCs) present in soils and groundwater may require respiratory protection. Known Site VOCs include PCE, TCE, DCE and vinyl chloride. Standard hazardous waste site protocol requires adequate respiratory protection to be worn in areas where worker's breathing zone concentrations of VOCs are elevated above background level. See discussion of PPE under Site Level of Protection section.

Vinyl Chloride

Vinyl chloride is a chemical intermediate used in plastic manufacture. It is also a byproduct of the decomposition of plastics in landfills as well as a decomposition product of chlorinated solvents such as trichloroethene (TCE) and tetrachloroethene (PCE). Vinyl

chloride is a liver toxin and is carcinogenic. Because vinyl chloride is a gas, the only significant route of exposure is inhalation. See discussion of PPE under Site Level of Protection section.

Heavy Metals

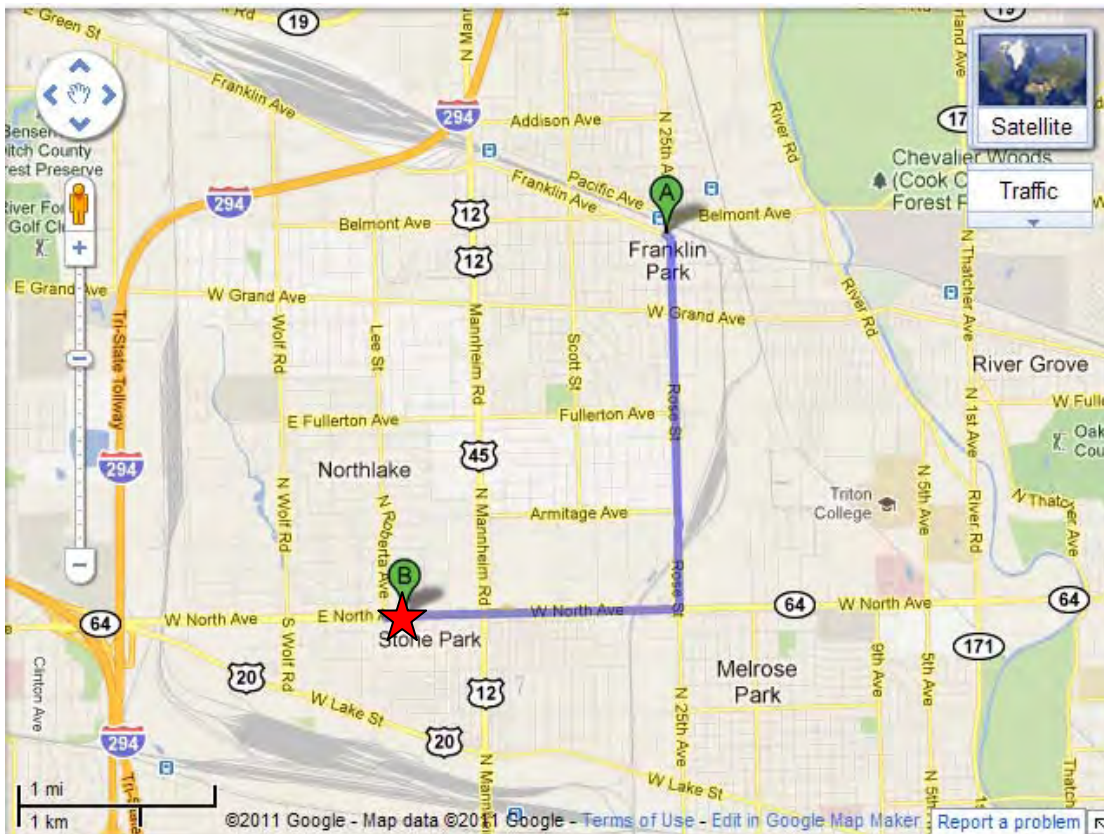
Elevated heavy metals at the Site include lead. The metal pose a hazard to site personnel if soil or dust particles containing metals are inhaled or ingested. Personnel will use site control, respiratory protection, dust control measures, decontamination, and good personal hygiene, to control exposure. See discussion of PPE under Site Level of Protection section.

Polynuclear Aromatic Hydrocarbons (PAHs)


PAHs are fused ring organic compounds found in petroleum bottoms, coal tar and crude petroleum. PAHs accumulate in fatty tissue and some are classified as carcinogens. Their low volatility and high molecular weight cause them to be primarily dermal hazards if contaminated soils or liquids are contacted. They may also be inhalation hazards if contaminated soils or dust are present at the site. See discussion of PPE under Site Level of Protection section.






Hospital Route Map and Address (see attached Figure)

HOSPITAL ROUTE MAP



Hospital

Kindred Hospital-Northlake 
365 E North Ave, Northlake, IL 60164

- | | | |
|---|---|---------------------------|
|  | Head east on Franklin Ave toward N 25th Ave/Rose St | |
| 1. | | |
|  | 2. Take the 1st right onto N 25th Ave/Rose St
About 5 mins | go 1.9 mi |
|  | 3. Turn right onto IL-64 W/W North Ave
About 3 mins | go 1.5 mi |
|  | 4. Make a U-turn at N Roberta Ave
Destination will be on the right
About 1 min | go 0.1 mi
total 3.5 mi |
|  | Kindred Hospital-Northlake
365 E North Ave, Northlake, IL 60164 | |

September 2005

NIOSH Publication Number 2005-149

Search the Pocket Guide

Enter search terms separated by spaces.

Lead

Synonyms & Trade Names Lead metal, Plumbum


CAS No. 7439-92-1	RTECS No. OF7525000 (/niosh-rtecs/OF72D288.html)	DOT ID & Guide
Formula Pb	Conversion	IDLH 100 mg/m ³ (as Pb) See: 7439921 (/niosh-idlh/7439921.html)

Exposure Limits

NIOSH REL *: TWA (8-hour) 0.050 mg/m³ See [Appendix C \(nengapdxc.html\)](#) [*Note: The REL also applies to other lead compounds (as Pb) -- see Appendix C.]

OSHA PEL *: [1910.1025] TWA 0.050 mg/m³ See [Appendix C \(nengapdxc.html\)](#) [*Note: The PEL also applies to other lead compounds (as Pb) -- see Appendix C.]

Measurement Methods

NIOSH 7082  (</niosh-docs/2003-154/pdfs/7082.pdf>), **7105**  (</niosh-docs/2003-154/pdfs/7105.pdf>), **7300**  (</niosh-docs/2003-154/pdfs/7300.pdf>), **7301**  (</niosh-docs/2003-154/pdfs/7301.pdf>), **7303**  (</niosh-docs/2003-154/pdfs/7303.pdf>), **7700**  (</niosh-docs/2003-154/pdfs/7700.pdf>), **7701**  (</niosh-docs/2003-154/pdfs/7701.pdf>), **7702**  (</niosh-docs/2003-154/pdfs/7702.pdf>), **9100**  (</niosh-docs/2003-154/pdfs/9100.pdf>), **9102**  (</niosh-docs/2003-154/pdfs/9102.pdf>), **9105**  (</niosh-docs/2003-154/pdfs/9105.pdf>);
OSHA ID121  (<http://www.osha.gov/dts/sltc/methods/inorganic/id121/id121.html>), **ID125G**  (<http://www.osha.gov/dts/sltc/methods/inorganic/id125g/id125g.html>), **ID206**  (<http://www.osha.gov/dts/sltc/methods/inorganic/id206/id206.html>)
See: **NMAM** (</niosh-docs/2003-154/>) or **OSHA Methods**  (<http://www.osha.gov/dts/sltc/methods/index.html>)

Physical Description A heavy, ductile, soft, gray solid.

MW: 207.2	BP: 3164° F	MLT: 621°F	Sol: Insoluble	VP: 0 mmHg (approx)	IP: NA
Sp.Gr: 11.34	Fl.P: NA	UEL: NA	LEL: NA		

Noncombustible Solid in bulk form.

Incompatibilities & Reactivities Strong oxidizers, hydrogen peroxide, acids

Exposure Routes inhalation, ingestion, skin and/or eye contact

Symptoms lassitude (weakness, exhaustion), insomnia; facial pallor; anorexia, weight loss, malnutrition; constipation, abdominal pain, colic; anemia; gingival lead line; tremor; paralysis wrist, ankles; encephalopathy; kidney disease; irritation eyes; hypertension

Target Organs Eyes, gastrointestinal tract, central nervous system, kidneys, blood, gingival tissue

Personal Protection/Sanitation (See [protection codes \(protect.html\)](#))

Skin: Prevent skin contact

Eyes: Prevent eye contact

Wash skin: Daily

Remove: When wet or contaminated

Change: Daily

First Aid (See [procedures \(firstaid.html\)](#))

Eye: Irrigate immediately

Skin: Soap flush promptly

Breathing: Respiratory support

Swallow: Medical attention immediately

Respirator Recommendations

(See [Appendix E \(nengapdx.html\)](#))

NIOSH/OSHA

Up to 0.5 mg/m³:

(APF = 10) Any air-purifying respirator with an N100, R100, or P100 filter (including N100, R100, and P100 filtering facepieces) except quarter-mask respirators.

[Click here \(pgintrod.html#nrp\)](#) for information on selection of N, R, or P filters.

(APF = 10) Any supplied-air respirator

Up to 1.25 mg/m³:

(APF = 25) Any supplied-air respirator operated in a continuous-flow mode

(APF = 25) Any powered, air-purifying respirator with a high-efficiency particulate filter.

Up to 2.5 mg/m³:

(APF = 50) Any air-purifying, full-facepiece respirator with an N100, R100, or P100 filter.

[Click here \(pgintrod.html#nrp\)](#) for information on selection of N, R, or P filters.

(APF = 50) Any supplied-air respirator that has a tight-fitting facepiece and is operated in a continuous-flow mode

(APF = 50) Any powered, air-purifying respirator with a tight-fitting facepiece and a high-efficiency particulate filter

(APF = 50) Any self-contained breathing apparatus with a full facepiece

(APF = 50) Any supplied-air respirator with a full facepiece

Up to 50 mg/m³:

(APF = 1000) Any supplied-air respirator operated in a pressure-demand or other positive-pressure mode

Up to 100 mg/m³:

(APF = 2000) Any supplied-air respirator that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode

Emergency or planned entry into unknown concentrations or IDLH conditions:

(APF = 10,000) Any self-contained breathing apparatus that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode

(APF = 10,000) Any supplied-air respirator that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode in combination with an auxiliary self-contained positive-pressure breathing apparatus

Escape:

(APF = 50) Any air-purifying, full-facepiece respirator with an N100, R100, or P100 filter.

[Click here \(pgintrod.html#nrp\)](#) for information on selection of N, R, or P filters.

Any appropriate escape-type, self-contained breathing apparatus

[Important additional information about respirator selection \(pgintrod.html#mustread\)](#)

See also: [INTRODUCTION \(/niosh/npg/pgintrod.html\)](#) See ICSC CARD: [0052 \(/niosh/ipcsneng/neng0052.html\)](#) See [MEDICAL TESTS: 0127 \(/niosh/docs/2005-110/nmed0127.html\)](#)

International Chemical Safety Cards

BENZ(a)ANTHRACENE

ICSC: 0385



1,2-Benzoanthracene
Benzo(a)anthracene
2,3-Benzphenanthrene
Naphthanthracene
 $C_{18}H_{12}$
Molecular mass: 228.3

ICSC # 0385
CAS # 56-55-3
RTECS # [CV9275000](#)
EC # 601-033-00-9
October 23, 1995 Validated

TYPES OF HAZARD/ EXPOSURE	ACUTE HAZARDS/ SYMPTOMS	PREVENTION	FIRST AID/ FIRE FIGHTING
FIRE	Combustible.		Water spray, powder. In case of fire in the surroundings: use appropriate extinguishing media.
EXPLOSION	Finely dispersed particles form explosive mixtures in air.	Prevent deposition of dust; closed system, dust explosion-proof electrical equipment and lighting.	
EXPOSURE		AVOID ALL CONTACT!	
• INHALATION		Local exhaust or breathing protection.	Fresh air, rest.
• SKIN		Protective gloves. Protective clothing.	Remove contaminated clothes. Rinse and then wash skin with water and soap.
• EYES		Safety goggles, face shield or eye protection in combination with breathing protection.	First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.
• INGESTION		Do not eat, drink, or smoke during work. Wash hands before eating.	Rinse mouth.

SPILLAGE DISPOSAL	STORAGE	PACKAGING & LABELLING
Personal protection: complete protective clothing including self-contained breathing apparatus. Sweep spilled substance into sealable containers; if appropriate, moisten first to prevent dusting. Carefully collect remainder, then remove to safe place.	Well closed.	T symbol N symbol R: 45-50/53 S: 53-45-60-61

SEE IMPORTANT INFORMATION ON BACK

ICSC: 0385

Prepared in the context of cooperation between the International Programme on Chemical Safety & the Commission of the European Communities (C) IPCS CEC 1994. No modifications to the International version have been made except to add the OSHA PELs, NIOSH RELs and NIOSH IDLH values.


International Chemical Safety Cards

BENZ(a)ANTHRACENE

ICSC: 0385

<p>I M P O R T A N T D A T A</p>	<p>PHYSICAL STATE; APPEARANCE: COLOURLESS TO YELLOW - BROWN FLUORESCENT FLAKES OR POWDER.</p> <p>PHYSICAL DANGERS: Dust explosion possible if in powder or granular form, mixed with air.</p> <p>CHEMICAL DANGERS:</p> <p>OCCUPATIONAL EXPOSURE LIMITS: TLV: A2 (suspected human carcinogen); (ACGIH 2004). MAK: skin absorption (H); Carcinogen category: 2; Germ cell mutagen group: 3A (DFG 2009).</p>	<p>ROUTES OF EXPOSURE: The substance can be absorbed into the body by inhalation, through the skin and by ingestion.</p> <p>INHALATION RISK: Evaporation at 20°C is negligible; a harmful concentration of airborne particles can, however, be reached quickly.</p> <p>EFFECTS OF SHORT-TERM EXPOSURE:</p> <p>EFFECTS OF LONG-TERM OR REPEATED EXPOSURE: This substance is probably carcinogenic to humans.</p>
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<p>PHYSICAL PROPERTIES</p>	<p>Sublimation point: 435°C Melting point: 162°C Relative density (water = 1): 1.274 Solubility in water: none</p>	<p>Vapour pressure, Pa at 20°C: 292 Octanol/water partition coefficient as log Pow: 5.61</p>
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<p>ENVIRONMENTAL DATA</p>	<p>Bioaccumulation of this chemical may occur in seafood.</p>	
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NOTES

This substance is one of many polycyclic aromatic hydrocarbons - standards are usually established for them as mixtures, e.g., coal tar pitch volatiles. However, it may be encountered as a laboratory chemical in its pure form. Insufficient data are available on the effect of this substance on human health, therefore utmost care must be taken. Do NOT take working clothes home. Tetraphene is a common name. Card has been partly updated in October 2005 and August 2006: see sections Occupational Exposure Limits, EU classification.

Card has been partially updated in April 2010: see Occupational Exposure Limits.

ADDITIONAL INFORMATION

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ICSC: 0385	(C) IPCS, CEC, 1994	BENZ(a)ANTHRACENE
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<p>IMPORTANT LEGAL NOTICE:</p>	<p>Neither NIOSH, the CEC or the IPCS nor any person acting on behalf of NIOSH, the CEC or the IPCS is responsible for the use which might be made of this information. This card contains the collective views of the IPCS Peer Review Committee and may not reflect in all cases all the detailed requirements included in national legislation on the subject. The user should verify compliance of the cards with the relevant legislation in the country of use. The only modifications made to produce the U.S. version is inclusion of the OSHA PELs, NIOSH RELs and NIOSH IDLH values.</p>
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International Chemical Safety Cards

1,2-DICHLOROETHYLENE

ICSC: 0436



1,2-Dichloroethene
 Acetylene dichloride
 symmetrical Dichloroethylene
 $C_2H_2Cl_2$ / $ClCH=CHCl$
 Molecular mass: 96.95

ICSC # 0436
 CAS # 540-59-0
 RTECS # [KV9360000](#)
 UN # 1150
 EC # 602-026-00-3
 July 05, 2003 Validated



TYPES OF HAZARD/ EXPOSURE	ACUTE HAZARDS/ SYMPTOMS	PREVENTION	FIRST AID/ FIRE FIGHTING
FIRE	Highly flammable. Gives off irritating or toxic fumes (or gases) in a fire.	NO open flames, NO sparks, and NO smoking.	Powder, water spray, foam, carbon dioxide.
EXPLOSION	Vapour/air mixtures are explosive.	Closed system, ventilation, explosion-proof electrical equipment and lighting. Do NOT use compressed air for filling, discharging, or handling.	In case of fire: keep drums, etc., cool by spraying with water.
EXPOSURE		STRICT HYGIENE!	
•INHALATION	Cough. Sore throat. Dizziness. Nausea. Drowsiness. Weakness. Unconsciousness. Vomiting.	Ventilation, local exhaust, or breathing protection.	Fresh air, rest. Refer for medical attention.
•SKIN	Dry skin.	Protective gloves.	Remove contaminated clothes. Rinse skin with plenty of water or shower.
•EYES	Redness. Pain.	Safety spectacles.	First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.
•INGESTION	Abdominal pain. (Further see Inhalation).	Do not eat, drink, or smoke during work.	Rinse mouth. Give plenty of water to drink. Refer for medical attention.

SPILLAGE DISPOSAL	STORAGE	PACKAGING & LABELLING
Remove all ignition sources. Ventilation. Collect leaking and spilled liquid in sealable containers as far as possible. Absorb remaining liquid in dry sand or inert absorbent and remove to safe place. Do NOT wash away into sewer. (Extra personal protection: complete protective clothing including self-contained breathing apparatus.)	Fireproof. Well closed. See Chemical Dangers.	Note: C F symbol Xn symbol R: 11-20-52/53 S: 2-7-16-29-61 UN Hazard Class: 3 UN Packing Group: II

SEE IMPORTANT INFORMATION ON BACK**ICSC: 0436**

Prepared in the context of cooperation between the International Programme on Chemical Safety & the Commission of the European Communities (C) IPCS CEC 1994. No modifications to the International version have been made except to add the OSHA PELs, NIOSH RELs and NIOSH IDLH values.

International Chemical Safety Cards

1,2-DICHLOROETHYLENE

ICSC: 0436

I M P O R T A N T D A T A	<p>PHYSICAL STATE; APPEARANCE: COLOURLESS LIQUID , WITH CHARACTERISTIC ODOUR.</p> <p>PHYSICAL DANGERS: The vapour is heavier than air and may travel along the ground; distant ignition possible.</p> <p>CHEMICAL DANGERS: The substance decomposes on heating or under the influence of air , light and moisture producing toxic and corrosive fumes including hydrogen chloride . Reacts with strong oxidants. Reacts with copper or copper alloys, and bases to produce toxic chloroacetylene which is spontaneously flammable in contact with air. Attacks plastic.</p> <p>OCCUPATIONAL EXPOSURE LIMITS: TLV: 200 ppm as TWA; (ACGIH 2003). MAK: 200 ppm, 800 mg/m³; Peak limitation category: II(2); (DFG 2002). OSHA PEL: TWA 200 ppm (790 mg/m³) NIOSH REL: TWA 200 ppm (790 mg/m³) NIOSH IDLH: 1000 ppm See: 540590</p>	<p>ROUTES OF EXPOSURE: The substance can be absorbed into the body by inhalation of its vapour and by ingestion.</p> <p>INHALATION RISK: A harmful contamination of the air will be reached quickly on evaporation of this substance at 20°C; on spraying or dispersing, however, much faster.</p> <p>EFFECTS OF SHORT-TERM EXPOSURE: The substance is irritating to the eyes and the respiratory tract . The substance may cause effects on the central nervous system at high levels , resulting in lowering of consciousness .</p> <p>EFFECTS OF LONG-TERM OR REPEATED EXPOSURE: The liquid defats the skin. The substance may have effects on the liver .</p>
	<p>PHYSICAL PROPERTIES</p> <p>Boiling point: 55°C Relative density (water = 1): 1.28 Solubility in water: poor Relative vapour density (air = 1): 3.34</p>	<p>Flash point: 2°C c.c. Auto-ignition temperature: 460°C Explosive limits, vol% in air: 9.7-12.8 Octanol/water partition coefficient as log Pow: 2</p>
ENVIRONMENTAL DATA		
NOTES		
<p>This compound has two isomers, cis and trans.Data for the isomers: cis-isomer (CAS 156-59-2), trans isomer (CAS 156-60-5), other boiling point 60.3, melting point -81.5°C (cis), -49.4°C (trans); flash point c.c. 6°C (cis), 2-4°C (trans); relative density (water = 1) 1.28 (cis), 1.26 (trans); vapour pressure 24.0 kPa (cis), 35.3 kPa (trans) at 20°C; relative density of the vapour/air-mixture at 20°C (air = 1): 1.6 (cis), 1.8 (trans); octanol/water partition coefficient as log Pow: 1.86 (cis), 2.09 (trans). Depending on the degree of exposure, periodic medical examination is suggested.</p> <p style="text-align: right;">Transport Emergency Card: TEC (R)-30GF1-I+II</p> <p style="text-align: right;">NFPA Code: H2; F3; R2;</p>		
ADDITIONAL INFORMATION		
ICSC: 0436	1,2-DICHLOROETHYLENE	
(C) IPCS, CEC, 1994		

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September 2005

NIOSH Pocket Guide to Chemical Hazards

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Naphthalene		CAS 91-20-3	
C₁₀H₈		RTECS QJ0525000	
Synonyms & Trade Names Naphthalin, Tar camphor, White tar		DOT ID & Guide 1334 133 (crude or refined) 2304 133 (molten)	
Exposure Limits	NIOSH REL: TWA 10 ppm (50 mg/m ³) ST 15 ppm (75 mg/m ³) OSHA PEL†: TWA 10 ppm (50 mg/m ³)		
IDLH 250 ppm See: 91203	Conversion 1 ppm = 5.24 mg/m ³		
Physical Description Colorless to brown solid with an odor of mothballs. [Note: Shipped as a molten solid.]			
MW: 128.2	BP: 424°F	MLT: 176°F	Sol: 0.003%
VP: 0.08 mmHg	IP: 8.12 eV		Sp.Gr: 1.15
Fl.P: 174°F	UEL: 5.9%	LEL: 0.9%	
Combustible Solid, but will take some effort to ignite.			
Incompatibilities & Reactivities Strong oxidizers, chromic anhydride			
Measurement Methods NIOSH 1501 ; OSHA 35 See: NMAM or OSHA Methods			
Personal Protection & Sanitation (See protection) Skin: Prevent skin contact Eyes: Prevent eye contact Wash skin: When contaminated Remove: When wet or contaminated Change: Daily		First Aid (See procedures) Eye: Irrigate immediately Skin: Molten flush immediately/solid-liquid soap wash promptly Breathing: Respiratory support Swallow: Medical attention immediately	
Respirator Recommendations NIOSH/OSHA Up to 100 ppm: (APF = 10) Any air-purifying half-mask respirator with organic vapor cartridge(s) in combination with an N95, R95, or P95 filter. The following filters may also be used: N99, R99, P99, N100, R100, P100. Click here for information on selection of N, R, or P filters.* (APF = 10) Any supplied-air respirator* Up to 250 ppm: (APF = 25) Any supplied-air respirator operated in a continuous-flow mode* (APF = 50) Any air-purifying full-facepiece respirator equipped with organic vapor cartridge(s) in combination with an N100, R100, or P100 filter. Click here for information on selection of N, R, or P filters. (APF = 25) Any powered air-purifying respirator with an organic vapor cartridge in combination with a high-efficiency particulate filter.* (APF = 50) Any self-contained breathing apparatus with a full facepiece (APF = 50) Any supplied-air respirator with a full facepiece			

Emergency or planned entry into unknown concentrations or IDLH conditions:

(APF = 10,000) Any self-contained breathing apparatus that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode

(APF = 10,000) Any supplied-air respirator that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode in combination with an auxiliary self-contained positive-pressure breathing apparatus

Escape:

(APF = 50) Any air-purifying, full-facepiece respirator (gas mask) with a chin-style, front- or back-mounted organic vapor canister having an N100, R100, or P100 filter. [Click here](#) for information on selection of N, R, or P filters./Any appropriate escape-type, self-contained breathing apparatus

[Important additional information about respirator selection](#)

Exposure Routes inhalation, skin absorption, ingestion, skin and/or eye contact

Symptoms Irritation eyes; headache, confusion, excitement, malaise (vague feeling of discomfort); nausea, vomiting, abdominal pain; irritation bladder; profuse sweating; jaundice; hematuria (blood in the urine), renal shutdown; dermatitis, optical neuritis, corneal damage

Target Organs Eyes, skin, blood, liver, kidneys, central nervous system

See also: [INTRODUCTION](#) See ICSC CARD: [0667](#) See MEDICAL TESTS: [0152](#)

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NIOSH Publication No. 2005-151:

September 2005

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Tetrachloroethylene		CAS 127-18-4	
$Cl_2C=CCl_2$		RTECS KX3850000	
Synonyms & Trade Names Perchloroethylene, Perchloroethylene, Perk, Tetrachlorethylene		DOT ID & Guide 1897 160	
Exposure Limits	NIOSH REL: Ca Minimize workplace exposure concentrations. See Appendix A		
	OSHA PEL†: TWA 100 ppm C 200 ppm 300 ppm (5-minute maximum peak in any 3-hours)		
IDLH Ca [150 ppm] See: 127184		Conversion 1 ppm = 6.78 mg/m ³	
Physical Description Colorless liquid with a mild, chloroform-like odor.			
MW: 165.8	BP: 250°F	FRZ: -2°F	Sol: 0.02%
VP: 14 mmHg	IP: 9.32 eV		Sp.Gr: 1.62
Fl.P: NA	UEL: NA	LEL: NA	
Noncombustible Liquid, but decomposes in a fire to hydrogen chloride and phosgene.			
Incompatibilities & Reactivities Strong oxidizers; chemically-active metals such as lithium, beryllium & barium; caustic soda; sodium hydroxide; potash			
Measurement Methods NIOSH 1003 ; OSHA 1001 See: NMAM or OSHA Methods			
Personal Protection & Sanitation (See protection) Skin: Prevent skin contact Eyes: Prevent eye contact Wash skin: When contaminated Remove: When wet or contaminated Change: No recommendation Provide: Eyewash, Quick drench		First Aid (See procedures) Eye: Irrigate immediately Skin: Soap wash promptly Breathing: Respiratory support Swallow: Medical attention immediately	
Respirator Recommendations NIOSH At concentrations above the NIOSH REL, or where there is no REL, at any detectable concentration: (APF = 10,000) Any self-contained breathing apparatus that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode (APF = 10,000) Any supplied-air respirator that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode in combination with an auxiliary self-contained positive-pressure breathing apparatus Escape: (APF = 50) Any air-purifying, full-facepiece respirator (gas mask) with a chin-style, front- or back-mounted organic vapor canister/Any appropriate escape-type, self-contained breathing apparatus Important additional information about respirator selection			
Exposure Routes inhalation, skin absorption, ingestion, skin and/or eye contact			
Symptoms Irritation eyes, skin, nose, throat, respiratory system; nausea; flush face, neck; dizziness, incoordination; headache,			

drowsiness; skin erythema (skin redness); liver damage; [potential occupational carcinogen]

Target Organs Eyes, skin, respiratory system, liver, kidneys, central nervous system

Cancer Site [in animals: liver tumors]

See also: [INTRODUCTION](#) See ICSC CARD: [0076](#) See MEDICAL TESTS: [0179](#)

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NIOSH Publication No. 2005-151:

September 2005

NIOSH Pocket Guide to Chemical Hazards

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Trichloroethylene		CAS 79-01-6	
C1CH=CCl₂		RTECS KX4550000	
Synonyms & Trade Names Ethylene trichloride, TCE, Trichloroethene, Trilene		DOT ID & Guide 1710 160	
Exposure Limits	NIOSH REL: Ca See Appendix A See Appendix C		
	OSHA PEL†: TWA 100 ppm C 200 ppm 300 ppm (5-minute maximum peak in any 2 hours)		
IDLH Ca [1000 ppm] See: 79016		Conversion 1 ppm = 5.37 mg/m ³	
Physical Description Colorless liquid (unless dyed blue) with a chloroform-like odor.			
MW: 131.4	BP: 189°F	FRZ: -99°F	Sol(77°F): 0.1%
VP: 58 mmHg	IP: 9.45 eV		Sp.Gr: 1.46
Fl.P: ?	UEL(77°F): 10.5%	LEL(77°F): 8%	
Combustible Liquid, but burns with difficulty.			
Incompatibilities & Reactivities Strong caustics & alkalis; chemically-active metals (such as barium, lithium, sodium, magnesium, titanium & beryllium)			
Measurement Methods NIOSH 1022 , 3800 ; OSHA 1001 See: NMAM or OSHA Methods			
Personal Protection & Sanitation (See protection) Skin: Prevent skin contact Eyes: Prevent eye contact Wash skin: When contaminated Remove: When wet or contaminated Change: No recommendation Provide: Eyewash, Quick drench		First Aid (See procedures) Eye: Irrigate immediately Skin: Soap wash promptly Breathing: Respiratory support Swallow: Medical attention immediately	
Respirator Recommendations NIOSH At concentrations above the NIOSH REL, or where there is no REL, at any detectable concentration: (APF = 10,000) Any self-contained breathing apparatus that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode (APF = 10,000) Any supplied-air respirator that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode in combination with an auxiliary self-contained positive-pressure breathing apparatus Escape: (APF = 50) Any air-purifying, full-facepiece respirator (gas mask) with a chin-style, front- or back-mounted organic vapor canister/Any appropriate escape-type, self-contained breathing apparatus Important additional information about respirator selection			
Exposure Routes inhalation, skin absorption, ingestion, skin and/or eye contact			
Symptoms Irritation eyes, skin; headache, visual disturbance, lassitude (weakness, exhaustion), dizziness, tremor, drowsiness,			

nausea, vomiting; dermatitis; cardiac arrhythmias, paresthesia; liver injury; [potential occupational carcinogen]

Target Organs Eyes, skin, respiratory system, heart, liver, kidneys, central nervous system

Cancer Site [in animals: liver & kidney cancer]

See also: [INTRODUCTION](#) See ICSC CARD: [0081](#) See MEDICAL TESTS: [0236](#)

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Vinyl chloride		CAS 75-01-4	
CH₂=CHCl		RTECS KU9625000	
Synonyms & Trade Names Chloroethene, Chloroethylene, Ethylene monochloride, Monochloroethene, Monochloroethylene, VC, Vinyl chloride monomer (VCM)		DOT ID & Guide 1086 116P (inhibited)	
Exposure Limits	NIOSH REL: Ca See Appendix A		
	OSHA PEL: [1910.1017] TWA 1 ppm C 5 ppm [15-minute]		
IDLH Ca [N.D.] See: IDLH INDEX		Conversion 1 ppm = 2.56 mg/m ³	
Physical Description Colorless gas or liquid (below 7°F) with a pleasant odor at high concentrations. [Note: Shipped as a liquefied compressed gas.]			
MW: 62.5	BP: 7°F	FRZ: -256°F	Sol(77°F): 0.1%
VP: 3.3 atm	IP: 9.99 eV	RGasD: 2.21	
Fl.P: NA (Gas)	UEL: 33.0%	LEL: 3.6%	
Flammable Gas			
Incompatibilities & Reactivities Copper, oxidizers, aluminum, peroxides, iron, steel [Note: Polymerizes in air, sunlight, or heat unless stabilized by inhibitors such as phenol. Attacks iron & steel in presence of moisture.]			
Measurement Methods NIOSH 1007 ; OSHA 4 , 75 See: NMAM or OSHA Methods			
Personal Protection & Sanitation (See protection) Skin: Frostbite Eyes: Frostbite Wash skin: No recommendation Remove: When wet (flammable) Change: No recommendation Provide: Frostbite wash		First Aid (See procedures) Eye: Frostbite Skin: Frostbite Breathing: Respiratory support	
Respirator Recommendations (See Appendix E) NIOSH At concentrations above the NIOSH REL, or where there is no REL, at any detectable concentration: (APF = 10,000) Any self-contained breathing apparatus that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode (APF = 10,000) Any supplied-air respirator that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode in combination with an auxiliary self-contained positive-pressure breathing apparatus Escape: (APF = 50) Any air-purifying, full-facepiece respirator (gas mask) with a chin-style, front- or back-mounted canister providing protection against the compound of concern/Any appropriate escape-type, self-contained breathing apparatus Important additional information about respirator selection			
Exposure Routes inhalation, skin, and/or eye contact (liquid)			

Symptoms Lassitude (weakness, exhaustion); abdominal pain, gastrointestinal bleeding; enlarged liver; pallor or cyanosis of extremities; liquid: frostbite; [potential occupational carcinogen]

Target Organs Liver, central nervous system, blood, respiratory system, lymphatic system

Cancer Site [liver cancer]

See also: [INTRODUCTION](#) See ICSC CARD: [0082](#) See MEDICAL TESTS: [0241](#)

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Pre-Remediation Sampling & Waste Characterization Data

Contents:

Contained-Out Determination Review Letter, Illinois Environmental Protection Agency, 11/18/2008, which allows soils to be disposed as non-hazardous.

Laboratory Analytical Data Summary Tables

Table 1.1 Summary of Soil and Groundwater Exceedances

Table 2.1 Soil Analytical Results (VOCs)

Table 2.2 Soil Analytical Results (SVOCs)

Table 2.3 Soil Analytical Results (TCLP and PCBs)

Table 2.4 Soil Analytical Results (General Soil Chemistry)

Table 2.5 Historical Soil Analytical Results (Organics)

Table 2.6 Historical Soil Analytical Results (Inorganics)

Table 3.1 Groundwater Analytical Results (VOCs)

Table 3.2 Historical Groundwater Analytical Results

Waste Characterization Laboratory Report

TestAmerica Laboratory Report, 01/29/2008 for dry cleaning soils. Data was collected at the sample location of the highest VOC data.



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 NORTH GRAND AVENUE EAST, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276 - (217) 782-2829
JAMES R. THOMPSON CENTER, 100 WEST RANDOLPH, SUITE 11-300, CHICAGO, IL 60601 - (312) 814-6026

217/524-3300

ROD R. BLAGOJEVICH, GOVERNOR

DOUGLAS P. SCOTT, DIRECTOR

November 18, 2008

Certified Mail
7007 2560 0003 2093 9731

Rachael K Berthiaume, P.E.
V3 Companies of Illinois, LTD.
120 N. LaSalle Street
Suite 1550
Chicago, Illinois 60602

Re: 0310965424 -- Cook County
Franklin Ave. Redevelopment
Log No. PS07-127
SF/Tech File



Dear Ms. Berthiaume:

This is in response to your letters on behalf of the Village of Franklin Park dated August 30, 2007 and received on August 31, 2007, and the revised submittal dated February 28, 2008 and received on March 4, 2008. Your letters requested a written concurrence by Illinois EPA of your "Contained-Out Determination" for soils at the Franklin Avenue Redevelopment site contaminated with a listed hazardous waste (perchloroethylene).

During the time we were reviewing your request, the Agency re-evaluated our interpretation and application of USEPA's Contained-In Policy to the management of environmental media contaminated with listed hazardous waste. We believe that this new interpretation of the regulations and USEPA's policies are consistent with our Mission Statement and protective of human health and the environment.

The interpretation and application of the Contained-In Policy is typically made on a case-by-case basis. The Contained-In Policy advises EPA Regions and States to use conservative health based levels derived from direct exposure pathways when determining whether a contaminated media no longer contains a listed hazardous waste (FR Vol. 61, No. 83, April 29, 1995, pg 18795). These risk based levels are to be based, in part, on the future use/placement of the contaminated media.

In the case of soil that is known to be contaminated with a listed hazardous waste that will be disposed of in a landfill; the soil would no longer be considered to contain a listed hazardous waste and could be disposed of in a nonhazardous waste landfill if all of the following conditions are met:

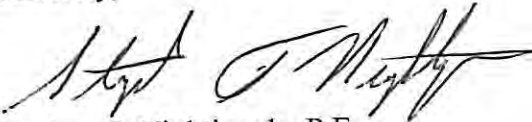
- a. The contaminated soil does not exhibit a characteristic of a hazardous waste as set forth in 35 IAC 721, Subpart C,
- b. The contaminated soil meets the land disposal restrictions (LDRs) at 35 IAC 728.149, and
- c. The contaminated soil is disposed of in a landfill permitted under 35 IAC 813 which meet the design requirements at 35 IAC 811, or an on-site landfill that meets the design requirements of 35 IAC 811.

Management and/or disposal of this contaminated soil other than as described above would result in the need to evaluate the application of the Contained-In Policy on a case-by-case basis. Under these conditions, a company should contact the Bureau of Land Permit Section directly for assistance.

The opinions expressed in this letter are limited to the above referenced facility and the conditions described in your letter. If the conditions at the site or management of the material are modified, the statements made in this letter may no longer be valid.

We hope our response answered your questions. If you have any more questions, please feel free to contact Rob Watson, P.E. at 217/524-3265.

Sincerely,



Stephen F. Nightingale, P.E.
Manager, Permit Section
Bureau of Land

wrw
SFN:WRW:bjh\08484s.doc

TABLE 1.1
SUMMARY OF SOIL AND GROUNDWATER EXCEEDANCES
PHASE 2 PARCEL, FRANKLIN PARK, IL

LOCATION	SAMPLE I.D.	Sample Depth	Soil Sample	Groundwater Sample	ANALYSES PERFORMED													Summary of Exceedances of TACO Tier 1 Remediation Objectives	TIER 1 REMEDIATION OBJECTIVES EXCEEDANCES												
					VOCs	BTEX	SVOCs	PAHs	TAL Metals & Cyanide	RCRA Metals	Thallium (ICP method)	Thallium (Furnace method)	TCLP Metals	Pesticides	PCBs	FOC	pH		Construction Worker		Residential		Soil Component of the Groundwater Ingestion Exposure Route		Groundwater						
																			Ingestion	Inhalation	Ingestion	Inhalation	Class I			Class I					
General Site-wide Conditions (Phase 1 and 2 Site)	SE sidewalk, 9618-9620 Franklin Ave	SB04	15 ft	X		X												None													
	E sidewalk - Rose St - 9602 Franklin Ave	SB06	13 ft	X		X													1 metal - see SB31 for resample												
		MW06	10-20 ft	X	X	X													None												
	North Parking lot - North of 9604 Franklin Ave	SB31	6.5 ft	X															None												
		SB07-4	13.5 ft	X															None												
	NEC of site - North of 9602 Franklin Ave	SB21C	0-10 ft	X															1 metal - see SB30 for resample												
		SB30	6 ft	X															None												
	North Parking Lot - North of 9618 Franklin Ave	SB09	13 ft	X															None												
		SB11																	No sample taken - screened with PID												
	South of Dry Cleaners- sidewalk	SB05	12.5 ft	X		X	X	X											None												
		MW05	10-20 ft	X	X	X	X												None												
	North Parking lot - North of 9610 Franklin Ave (Dry Cleaner)	SB08	13 ft	X															None												
		MW08	10-20 ft	X	X														None												
	West lot of dry cleaners central open lots west of MW16	SB10	12 ft	X	X														None												
		MW16	10-20 ft	X	X														None												
	SEC of central open lots	SB23		X															None												
		SB18		X															No sample taken - screened with PID												
	center of 9624 Franklin Ave (NW of former UST at 9622 Franklin Ave)	SB22A	1 ft	X															None												
		SB22C	0-8 ft	X															1 metal- see SB29 for resample												
	next to SB22	SB29	6-7 ft	X		X	X												None												
North end of 9624 Franklin Ave	SB32	6 ft	X		X	X												None													
	SB28	6.5 ft	X		X	X												None													
26 ft east of SB28	SB28	6.5 ft	X		X	X												None													
	Eastern-most lot-9602	P2-GP-106	4-6	X		X	X											1 VOC													
Phase 2	Former Dry Cleaner Lot- 9610 Franklin Avenue	P2-GP-101	2-4	X		X												2 VOCs													
		P2-GP-101	8-10	X		X													1 metal												
	P2-MW-1		X																												
	P2-GP-102	8-10	X		X																										
	P2-GP-103	4-6	X		X																										
	P2-GP-104	4-6	X		X																										
	P2-GP-105	2-4	X		X																										
	P2-GP-105	8-10	X		X																										
	P2-GP-107	6-8	X		X	X																									
	P2-GP-108	8-10	X		X																										
	P2-GP-109	4-6	X		X																										
	P2-GP-110	0-2	X		X																										
	P2-GP-111	6-8	X		X																										
	P2-GP-112	8-10	X		X																										
	P2-GP-113	0-2	X		X																										
	P2-GP-114	4-6	X		X																										
	P2-GP-115	4-6	X		X																										
	P2-GP-117	8-10	X		X																										
	P2-GP-119	8-10	X		X																										
	P2-GP-124	1-2	X		X																										
same location as P2-GP-113 west of lot of dry cleaners	FP-WC-01	0-2	X		X																										
	P2-GP-116	4-6	X		X	X																									
North of dry cleaner lot 9616 Franklin Ave	P2-GP-118	8-10	X		X																										
	P2-GP-120	4-6	X		X	X																									
East of dry cleaner lot see P2-SB-125 for SVOCs	P2-GP-125	1-2	X		X	X																									
	WC#2		X																												
Former Heating Oil UST at 9622 Franklin Avenue	P2-GP-122	8-10	X		X																										
	P2-GP-123	0-2	X		X																										
north of former UST	EX-SWE	6	X		X	X																									
	EX-SWW	6	X		X	X																									
Former Heating Oil UST at 9616 Franklin Avenue	P2-GP-121	8-10	X		X																										
	HOT-TB-1 (Trip Blank)		X		X																										
HOT-EX-W	HOT-EX-W	4-5	X		X	X																									
	HOT-EX-E	4-5	X		X	X																									
HOT-EX-N	HOT-EX-N	4-5	X		X	X																									
	HOT-EX-S	4-5	X		X	X																									
HOT-EX-B	HOT-EX-B	5	X		X	X																									
	ST-FS-01	10-11	X		X																										

1) At SB16 (approx. center of open lots) petroleum impact was noted at 7 to 8'.
2) Soil samples were taken above water table unless visual impacts or high PID noted

Table 2.1-Soil Analytical Results (VOCs)
Phase 2 Parcel
Franklin Park, IL

Chemical Name	Exposure Route-Specific SROs*								P2-GP-101 (2-4)	P2-GP-101 (8-10)	P2-GP-102 (8-10)	P2-GP-103 (4-6)	P2-GP-104 (4-6)	P2-GP-105 (8-10)	P2-GP-106 (4-6)	P2-GP-107 (6-8)	P2-GP-108 (8-10)	P2-GP-109 (4-6)	P2-GP-110 (0-2)	P2-GP-111 (6-8)	P2-GP-112 (8-10)	P2-GP-113 (0-2)	P2-GP-114 (4-6)	P2-GP-115 (4-6)	P2-GP-116 (4-6)	P2-GP-117 (8-10)
	Industrial/Commercial		Construction Worker		Residential		Class I	Class II																		
	Ingestion	Inhalation	Ingestion	Inhalation	Ingestion	Inhalation																				
VOCs																										
Acetone	NRO	100,000	NRO	100,000	70,000	100,000	25	25	<0.0158	<0.0163	<0.0153	<0.0158	<0.0163	<0.0193	---	<0.0139	<0.0158	<0.0158	<0.0201	<0.0149	<0.0182	<0.0176	<0.022	<0.0157	<0.0219	<0.0191
Benzene	100	1.6	2,300	2.2	12	0.8	0.03	0.17	<0.00317	<0.00325	<0.00305	<0.00315	<0.00327	<0.00385	<0.00382	<0.00279	<0.00317	<0.00317	<0.00402	<0.00298	<0.00364	<0.00352	<0.0044	<0.00314	<0.00439	<0.00381
Bromodichloromethane	92	3,000	2,000	3,000	10	3000	0.6	0.6	<0.00317	<0.00325	<0.00305	<0.00315	<0.00327	<0.00385	---	<0.00279	<0.00317	<0.00317	<0.00402	<0.00298	<0.00364	<0.00352	<0.0044	<0.00314	<0.00439	<0.00381
Bromoform	720	100	16,000	140	81	53	0.8	0.8	<0.00317	<0.00325	<0.00305	<0.00315	<0.00327	<0.00385	---	<0.00279	<0.00317	<0.00317	<0.00402	<0.00298	<0.00364	<0.00352	<0.0044	<0.00314	<0.00439	<0.00381
Bromomethane	2,900	15	1,000	3.9	110	10	0.2	1.2	<0.00317	<0.00325	<0.00305	<0.00315	<0.00327	<0.00385	---	<0.00279	<0.00317	<0.00317	<0.00402	<0.00298	<0.00364	<0.00352	<0.0044	<0.00314	<0.00439	<0.00381
2-Butanone (MEK)^	1000000	25000	120000	710	47000	25000	17	17	<0.0127	<0.013	<0.0122	<0.0126	<0.0131	<0.0154	---	<0.0112	<0.0127	<0.0127	<0.0161	<0.0119	<0.0146	<0.0141	<0.0176	<0.0126	<0.0176	<0.0152
Carbon disulfide	200,000	720	20,000	9.0	7800	720	32	160	<0.00317	<0.00325	<0.00305	<0.00315	<0.00327	<0.00385	---	<0.00279	<0.00317	<0.00317	<0.00402	<0.00298	<0.00364	<0.00352	<0.0044	<0.00314	<0.00439	<0.00381
Carbon Tetrachloride	44	0.64	410	0.90	5.00	0.300	0.07	0.33	<0.00317	<0.00325	<0.00305	<0.00315	<0.00327	<0.00385	---	<0.00279	<0.00317	<0.00317	<0.00402	<0.00298	<0.00364	<0.00352	<0.0044	<0.00314	<0.00439	<0.00381
Chlorobenzene	41,000	210	4,100	1.3	1600	130	1	6.5	<0.00317	<0.00325	<0.00305	<0.00315	<0.00327	<0.00385	---	<0.00279	<0.00317	<0.00317	<0.00402	<0.00298	<0.00364	<0.00352	<0.0044	<0.00314	<0.00439	<0.00381
Chlorodibromomethane	41,000	1,300	41,000	1,300	1600	1300	0.4	0.4	<0.00317	<0.00325	<0.00305	<0.00315	<0.00327	<0.00385	---	<0.00279	<0.00317	<0.00317	<0.00402	<0.00298	<0.00364	<0.00352	<0.0044	<0.00314	<0.00439	<0.00381
Chloroethane^	820000	1500	82000	94	31000	1500	15	70	<0.00317	<0.00325	<0.00305	<0.00315	<0.00327	<0.00385	---	<0.00279	<0.00317	<0.00317	<0.00402	<0.00298	<0.00364	<0.00352	<0.0044	<0.00314	<0.00439	<0.00381
Chloroform	940	0.54	2,000	0.76	100	0.300	0.6	2.9	<0.00317	<0.00325	<0.00305	<0.00315	<0.00327	<0.00385	---	<0.00279	<0.00317	<0.00317	<0.00402	<0.00298	<0.00364	<0.00352	<0.0044	<0.00314	<0.00439	<0.00381
Chloromethane^	8200	170	820	1.1	310	110	0.14	0.68	<0.00317	<0.00325	<0.00305	<0.00315	<0.00327	<0.00385	---	<0.00279	<0.00317	<0.00317	<0.00402	<0.00298	<0.00364	<0.00352	<0.0044	<0.00314	<0.00439	<0.00381
1,1-Dichloroethane	200,000	1,700	200,000	130	7800	1300	23	110	<0.00317	<0.00325	<0.00305	<0.00315	<0.00327	<0.00385	---	<0.00279	<0.00317	<0.00317	<0.00402	<0.00298	<0.00364	<0.00352	<0.0044	<0.00314	<0.00439	<0.00381
1,2-Dichloroethane	63	0.70	1,400	0.99	7.00	0.400	0.02	0.1	<0.00317	<0.00325	<0.00305	<0.00315	<0.00327	<0.00385	---	<0.00279	<0.00317	<0.00317	<0.00402	<0.00298	<0.00364	<0.00352	<0.0044	<0.00314	<0.00439	<0.00381
1,1-Dichloroethene	100,000	470	10,000	3.0	3900	290	0.06	0.3	<0.00317	<0.00325	<0.00305	<0.00315	<0.00327	<0.00385	---	<0.00279	<0.00317	<0.00317	<0.00402	<0.00298	<0.00364	0.0234	<0.0044	<0.00314	<0.00439	<0.00381
cis-1,2-Dichloroethene	20,000	1,200	20,000	1,200	780	1200	0.4	1.1	<0.00317	<0.00325	<0.00305	<0.00315	<0.00327	<0.00385	---	<0.00279	<0.00317	<0.00317	0.00544	0.00582	0.0112	4.54	<0.0044	0.0255	<0.00439	<0.00381
trans-1,2-Dichloroethene	41,000	3,100	41,000	3,100	1600	3100	0.7	3.4	<0.00317	<0.00325	<0.00305	<0.00315	<0.00327	<0.00385	---	<0.00279	<0.00317	<0.00317	<0.00402	<0.00298	<0.00364	0.0323	<0.0044	<0.00314	<0.00439	<0.00381
1,2-Dichloropropane	84	23	1,800	0.50	9.00	15	0.03	0.15	<0.00317	<0.00325	<0.00305	<0.00315	<0.00327	<0.00385	---	<0.00279	<0.00317	<0.00317	<0.00402	<0.00298	<0.00364	<0.00352	<0.0044	<0.00314	<0.00439	<0.00381
1,3-Dichloropropane (cis & trans)	57	2.1	1,200	0.39	6.4	1.1	0.004	0.02	<0.0019	<0.00195	<0.00183	<0.00189	<0.00196	<0.00231	---	<0.00167	<0.0019	<0.0019	<0.00241	<0.00179	<0.00218	<0.00211	<0.00264	<0.00189	<0.00263	<0.00229
Ethylbenzene	200,000	400	20,000	58	7800	400	13	19	<0.00317	<0.00325	<0.00305	<0.00315	<0.00327	<0.00385	<0.00382	<0.00279	<0.00317	<0.00317	<0.00402	<0.00298	<0.00364	<0.00352	<0.0044	<0.00314	<0.00439	<0.00381
2-Hexanone^	82000	110	8200	0.72	3100	70	1.3	1.3	<0.00633	<0.0065	<0.00611	<0.0063	<0.00654	<0.0077	---	<0.00558	<0.00634	<0.00634	<0.00804	<0.00595	<0.00728	<0.00704	<0.0088	<0.00629	<0.00878	<0.00762
Methylene chloride	760	24	12,000	34	85	13	0.02	0.2	<0.00317	<0.00325	<0.00305	<0.00315	<0.00327	<0.00385	---	<0.00279	<0.00317	<0.00317	<0.00402	<0.00298	<0.00364	<0.00352	<0.0044	<0.00314	<0.00439	<0.00381
4-Methyl-2-Pentanone (MIBK)^	---	3100	---	340	---	3100	---	---	<0.00633	<0.0065	<0.00611	<0.0063	<0.00654	<0.0077	---	<0.00558	<0.00634	<0.00634	<0.00804	<0.00595	<0.00728	<0.00704	<0.0088	<0.00629	<0.00878	<0.00762
Methyl tert-butyl ether	20,000	8800	2000	140	780	8800	0.32	0.32	<0.00317	<0.00325	<0.00305	<0.00315	<0.00327	<0.00385	---	<0.00279	<0.00317	<0.00317	<0.00402	<0.00298	<0.00364	<0.00352	<0.0044	<0.00314	<0.00439	<0.00381
Styrene	410,000	1,500	41,000	430	16,000	1500	4	18	<0.00317	<0.00325	<0.00305	<0.00315	<0.00327	<0.00385	---	<0.00279	<0.00317	<0.00317	<0.00402	<0.00298	<0.00364	<0.00352	<0.0044	<0.00314	<0.00439	<0.00381
1,1,1,2-Tetrachloroethane^	120000	2000	12000	2000	4700	2000	3.3	3.3	<0.00317	<0.00325	<0.00305	<0.00315	<0.00327	<0.00385	---	<0.00279	<0.00317	<0.00317	<0.00402	<0.00298	<0.00364	<0.00352	<0.0044	<0.00314	<0.00439	<0.00381
Tetrachloroethene	110	20	2,400	28	12	11	0.06	0.3	<0.00317	<0.00325	<0.00305	<0.00315	<0.00327	<0.00385	---	<0.00279	<0.00317	<0.00317	0.0595	<0.00298	0.00957	49.9	<0.0044	0.00676	<0.00439	<0.00381
Toluene	410,000	650	410,000	42	16,000	650	12	29	<0.00317	<0.00325	<0.00305	<0.00315	<0.00327	<0.00385	<0.00382	<0.00279	<0.00317	<0.00317	<0.00402	<0.00298	<0.00364	<0.00352	<0.0044	<0.00314	<0.00439	<0.00381
1,1,1-Trichloroethane	---	1,200	---	1,200	---	1200	2	9.6	<0.00317	<0.00325	<0.00305	<0.00315	<0.00327	<0.00385	---	<0.00279	<0.00317	<0.00317	<0.00402	<0.00298	<0.00364	<0.00352	<0.0044	<0.00314	<0.00439	<0.00381
1,1,2-Trichloroethane	8,200	1,800	8,200	1,800	310	1800	0.02	0.3	<0.00317	<0.00325	<0.00305	<0.00315	<0.00327	<0.00385	---	<0.00279	<0.00317	<0.00317	<0.00402	<0.00298	<0.00364	<0.00352	<0.0044	<0.00314	<0.00439	<0.00381
Trichloroethene	520	8.9	1,200	12	58	5	0.06	0.3	<0.00317	<0.00325	<0.00305	<0.00315	<0.00327	<0.00385	---	<0.00279	<0.00317	<0.00317	0.00469	<0.00298	<0.00364	13.7	<0.0044	0.00396	<0.00439	<0.00381
Trichlorofluoromethane^	610000	1300	140000	85	23000	830	33	162	<0.00317	<0.00325	<0.00305	<0.00315	<0.00327	<0.00385	---	<0.00279	<0.00317	<0.								

Table 2.1-Soil Analytical Results (VOCs)
Phase 2 Parcel
Franklin Park, IL

Chemical Name	Exposure Route-Specific SROs*								P2-GP-120 (4-6)	P2-GP-121 (8-10)	P2-GP-122 (8-10)	P2-GP-123 (0-2)	P2-SB-124 (1-2)	P2-SB-125 (1-2)	HOT-EX-W 4-5	HOT-EX-N 5	HOT-EX-E 5	HOT-EX-S 5	HOT-EX-B 5	EX-SWE (6)	EX-SWW (6)	ST-FS-01	FP-WC-01 (0-2) WASTE CHAR.
	Industrial/Commercial		Construction Worker		Residential		Class I	Class II															
	Ingestion	Inhalation	Ingestion	Inhalation	Ingestion	Inhalation																	
VOCs																							
Acetone	NRO	100,000	NRO	100,000	70,000	100,000	25	25	---	---	---	---	<0.0278	<0.0307	---	---	---	---	---	---	---	<0.0277	---
Benzene	100	1.6	2,300	2.2	12	0.8	0.03	0.17	<0.00497	<0.00542	<0.00476	<0.00391	<0.00557	<0.00613	<0.00534	<0.00577	<0.00514	0.00735	<0.0055	<0.0020	<0.0020	<0.00554	---
Bromodichloromethane	92	3,000	2,000	3,000	10	3000	0.6	0.6	---	---	---	---	<0.00557	<0.00613	---	---	---	---	---	---	---	<0.00554	---
Bromoform	720	100	16,000	140	81	53	0.8	0.8	---	---	---	---	<0.00557	<0.00613	---	---	---	---	---	---	---	<0.00554	---
Bromomethane	2,900	15	1,000	3.9	110	10	0.2	1.2	---	---	---	---	<0.00557	<0.00613	---	---	---	---	---	---	---	<0.00554	---
2-Butanone (MEK)^	1000000	25000	120000	710	47000	25000	17	17	---	---	---	---	<0.0223	<0.0245	---	---	---	---	---	---	---	<0.0221	---
Carbon disulfide	200,000	720	20,000	9.0	7800	720	32	160	---	---	---	---	<0.00557	0.00876	---	---	---	---	---	---	---	<0.00554	---
Carbon Tetrachloride	44	0.64	410	0.90	5.00	0.300	0.07	0.33	---	---	---	---	<0.00557	<0.00613	---	---	---	---	---	---	---	<0.00554	<0.12
Chlorobenzene	41,000	210	4,100	1.3	1600	130	1	6.5	---	---	---	---	<0.00557	<0.00613	---	---	---	---	---	---	---	<0.00554	<0.12
Chlorodibromomethane	41,000	1,300	41,000	1,300	1600	1300	0.4	0.4	---	---	---	---	<0.00557	<0.00613	---	---	---	---	---	---	---	<0.00554	---
Chloroethane^	820000	1500	82000	94	31000	1500	15	70	---	---	---	---	<0.00557	<0.00613	---	---	---	---	---	---	---	<0.00554	---
Chloroform	940	0.54	2,000	0.76	100	0.300	0.6	2.9	---	---	---	---	<0.00557	<0.00613	---	---	---	---	---	---	---	<0.00554	---
Chloromethane^	8200	170	820	1.1	310	110	0.14	0.68	---	---	---	---	<0.00557	<0.00613	---	---	---	---	---	---	---	<0.00554	---
1,1-Dichloroethane	200,000	1,700	200,000	130	7800	1300	23	110	---	---	---	---	<0.00557	<0.00613	---	---	---	---	---	---	---	<0.00554	---
1,2-Dichloroethane	63	0.70	1,400	0.99	7.00	0.400	0.02	0.1	---	---	---	---	<0.00557	<0.00613	---	---	---	---	---	---	---	<0.00554	---
1,1-Dichloroethene	100,000	470	10,000	3.0	3900	290	0.06	0.3	---	---	---	---	<0.00557	<0.00613	---	---	---	---	---	---	---	<0.00554	---
cis-1,2-Dichloroethene	20,000	1,200	20,000	1,200	780	1200	0.4	1.1	---	---	---	---	<0.00557	<0.00613	---	---	---	---	---	---	---	<0.00554	---
trans-1,2-Dichloroethene	41,000	3,100	41,000	3,100	1600	3100	0.7	3.4	---	---	---	---	<0.00557	<0.00613	---	---	---	---	---	---	---	<0.00554	---
1,2-Dichloropropane	84	23	1,800	0.50	9.00	15	0.03	0.15	---	---	---	---	<0.00557	<0.00613	---	---	---	---	---	---	---	<0.00554	---
1,3-Dichloropropene (cis & trans)	57	2.1	1,200	0.39	6.4	1.1	0.004	0.02	---	---	---	---	<0.00334	<0.00368	---	---	---	---	---	---	---	<0.00332	---
Ethylbenzene	200,000	400	20,000	58	7800	400	13	19	<0.00497	<0.00542	<0.00476	<0.00391	<0.00557	0.0226	<0.00534	<0.00577	<0.00514	0.0672	0.00671	<0.0050	<0.0050	<0.00554	---
2-Hexanone^	82000	110	8200	0.72	3100	70	1.3	1.3	---	---	---	---	<0.0111	<0.0123	---	---	---	---	---	---	---	<0.0111	---
Methylene chloride	760	24	12,000	34	85	13	0.02	0.2	---	---	---	---	<0.00557	<0.00613	---	---	---	---	---	---	---	<0.00554	<0.23
4-Methyl-2-Pentanone (MIBK)^	---	3100	---	340	---	3100	---	---	---	---	---	---	<0.0111	<0.0123	---	---	---	---	---	---	---	<0.0111	---
Methyl tert-butyl ether	20,000	8800	2000	140	780	8800	0.32	0.32	---	---	---	---	<0.00557	<0.00613	---	---	---	---	---	---	---	<0.00554	---
Styrene	410,000	1,500	41,000	430	16,000	1500	4	18	---	---	---	---	<0.00557	<0.00613	---	---	---	---	---	---	---	<0.00554	---
1,1,1,2-Tetrachloroethane^	120000	2000	12000	2000	4700	2000	3.3	3.3	---	---	---	---	<0.00557	<0.00613	---	---	---	---	---	---	---	<0.00554	---
Tetrachloroethene	110	20	2,400	28	12	11	0.06	0.3	---	---	---	---	<0.00557	<0.00613	---	---	---	---	---	---	---	<0.00554	32
Toluene	410,000	650	41,000	42	16,000	650	12	29	<0.00497	<0.00542	<0.00476	<0.00391	<0.00557	<0.00613	<0.00534	<0.00577	<0.00514	0.0159	0.00808	<0.0050	<0.0050	<0.00554	---
1,1,1-Trichloroethane	---	1,200	---	1,200	---	1200	2	9.6	---	---	---	---	<0.00557	<0.00613	---	---	---	---	---	---	---	<0.00554	<0.12
1,1,2-Trichloroethane	8,200	1,800	8,200	1,800	310	1800	0.02	0.3	---	---	---	---	<0.00557	<0.00613	---	---	---	---	---	---	---	<0.00554	<0.12
Trichloroethene	520	8.9	1,200	12	58	5	0.06	0.3	---	---	---	---	<0.00557	<0.00613	---	---	---	---	---	---	---	<0.00554	2.6
Trichlorofluoromethane^	610000	1300	140000	85	23000	830	33	162	---	---	---	---	<0.00557	<0.00613	---	---	---	---	---	---	---	<0.00554	<0.23
Vinyl Acetate	1,000,000	1600	200,000	10.0	78,000	1000	170	170	---	---	---	---	<0.0111	<0.0123	---	---	---	---	---	---	---	<0.0111	---
Vinyl chloride	7.9	1.1	170	1.1	0.46	0.28	0.01	0.07	---	---	---	---	<0.00557	<0.00613	---	---	---	---	---	---	---	<0.00554	---
Xylenes (total)	410,000	320	41,000	5.6	16,000	320	150	150	<0.00497	<0.00542	<0.00476	<0.00391	<0.0111	0.0196	<0.00534	0.0107	<0.00514	0.243	0.0235	<0.0050	0.0056	<0.0111	---

* Illinois EPA Tier 1 Soil Remediation Objectives (SROs); 35 IAC 742, Appendix B, Table A (Residential) and Table B (Industrial/Commercial)

All results in parts per million (mg/Kg) based on dry weight unless noted otherwise.

*** = No Remediation Objective

Results with **Bold and Shaded** indicate concentrations exceeding most stringent Tier 1 ROs.

^--Non-TACO Chemical. Limits prepared by IEPA Toxicity Assessment Unit - May 1, 2007.

Table 2.2-Soil Analytical Results (SVOCs)
Phase 2 Parcel
Franklin Park, IL

Chemical Name	Exposure Route-Specific SROs*							Background Within MSA	P2-GP-106 (4-6)	P2-GP-107 (6-8)	P2-GP-116 (4-6)	P2-GP-120 (4-6)	P2-GP-121 (8-10)	P2-GP-122 (8-10)	P2-GP-123 (0-2)	HOT-EX-W 4-5	HOT-EX-N 4-5	HOT-EX-E 4-5	HOT-EX-S 4-5	HOT-EX-B 5	P2-SB-125 (1-2)	EX-SWE (6)	EX-SWW (6)
	Industrial/Commercial		Residential		Construction Worker		Class I																
	Ingestion	Inhalation	Ingestion	Inhalation	Ingestion	Inhalation																	
SVOCs																							
Acenaphthene	120,000	***	4700	***	120,000	***	570	0.13	<1.29	<0.118	<1.18	<1.45	<1.2	<1.16	<1.2	<1.37	<1.15	<1.35	3.55	<1.12	---	3.18	0.403
Acenaphthylene^	61000	***	2300	***	61,000	***	24	***	<2.57	<0.118	<2.36	<2.9	<2.41	<2.32	<2.4	<2.73	<2.29	<2.7	3.9	<2.24	---	<0.050	<0.050
Aniline^	1000	130	110	84	1400	8.6	0.064	***	---	<0.118	---	---	---	---	---	---	---	---	---	---	---	---	---
Anthracene	610,000	***	23,000	***	610,000	***	12,000	0.4	<1.29	<0.118	<1.18	<1.45	<1.2	<1.16	<1.2	<1.37	2.57	<1.35	2.38	<1.12	---	2.42	0.105
Benzoic Acid	1,000,000	***	310,000	***	820,000	***	400	***	---	<0.588	---	---	---	---	---	---	---	---	---	---	---	---	---
Benzo(a)anthracene	8.0	***	0.9	***	170	***	2	1.8	<0.643	<0.118	<0.589	<0.725	<0.602	<0.579	<0.6	<0.683	2.16	<0.674	0.794	<0.559	---	0.0406	<0.0087
Benzo(a)pyrene	0.80	***	0.09	***	17	***	8.00	2.1	<0.0643	<0.0682	<0.0589	<0.0725	<0.0602	<0.0579	<0.06	0.124	<0.0573	0.216	0.0758	0.117	---	<0.015	<0.015
Benzo(b)fluoranthene	8.0	***	0.9	***	170	***	5.00	2.1	<0.643	<0.118	<0.589	<0.725	<0.602	<0.579	<0.6	<0.683	<0.573	<0.674	<0.695	<0.559	---	<0.011	<0.011
Benzo(g,h,i)perylene^	61000	***	2300	***	61,000	***	32000	***	<1.29	<0.118	<1.18	<1.45	<1.2	<1.16	<1.2	<1.37	<1.15	<1.35	<1.39	<1.12	---	<0.011	<0.011
Benzo(k)fluoranthene	78	***	9.00	***	1700	***	49	1.7	<1.29	<0.118	<1.18	<1.45	<1.2	<1.16	<1.2	<1.37	<1.15	<1.35	<1.39	<1.12	---	<0.050	<0.050
Benzyl alcohol^	610000	6900	23000	6900	200,000	6100	9.4	***	---	<0.118	---	---	---	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroethoxy)methane	***	***	***	***	***	***	***	***	---	<0.118	---	---	---	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroethyl)ether	5.0	0.47	0.6	0.2	75	0.66	0.0004	***	---	<0.118	---	---	---	---	---	---	---	---	---	---	---	---	---
Bis(2-chloroisopropyl)ether^	82000	1300	3100	1300	8200	1300	2.4	***	---	<0.118	---	---	---	---	---	---	---	---	---	---	---	---	---
Bis(2-ethylhexyl)phthalate	410	31,000	46	31,000	4100	31,000	3600	***	---	<0.388	---	---	---	---	---	---	---	---	---	---	---	---	---
4-Bromophenyl phenyl ether	***	***	***	***	***	***	***	***	---	<0.118	---	---	---	---	---	---	---	---	---	---	---	---	---
Butyl benzyl phthalate	410,000	930	16,000	930	410,000	930	930	***	---	<0.388	---	---	---	---	---	---	---	---	---	---	---	---	---
Carbazole	290	***	32	***	6200	***	0.6	***	---	<0.118	---	---	---	---	---	---	---	---	---	---	---	---	---
4-Chloroaniline	8,200	***	310	***	820	***	0.70	***	---	<0.118	---	---	---	---	---	---	---	---	---	---	---	---	---
4-Chloro-3-methylphenol	***	***	***	***	***	***	***	***	---	<0.118	---	---	---	---	---	---	---	---	---	---	---	---	---
2-Chloronaphthalene^	160000	***	6300	***	***	***	240	***	---	<0.118	---	---	---	---	---	---	---	---	---	---	---	---	---
2-Chlorophenol	10,000	53,000	390	53,000	10,000	53,000	4.00	***	---	<0.118	---	---	---	---	---	---	---	---	---	---	---	---	---
4-Chlorophenyl phenyl ether	***	***	***	***	***	***	***	***	---	<0.118	---	---	---	---	---	---	---	---	---	---	---	---	---
Chrysene	780	***	88	***	17,000	***	160	2.7	<1.29	<0.118	<1.18	<1.45	<1.2	<1.16	<1.2	<1.37	1.22	<1.35	<1.39	<1.12	---	0.078	<0.050
Dibenzo(a,h)anthracene	0.80	***	0.09	***	17	***	2.00	0.42	<0.0643	<0.0682	<0.0589	<0.0725	<0.0602	<0.0579	<0.06	<0.683	<0.0573	<0.0674	<0.0695	<0.0559	---	<0.020	<0.020
Dibenzofuran^	8200	***	310	***	4100	***	15	***	---	<0.118	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2-Dichlorobenzene	180,000	560	7000	560	18000	310	17.00	***	---	<0.118	---	---	---	---	---	---	---	---	---	---	---	---	---
1,3-Dichlorobenzene^	1800	570	70	570	***	***	0.2	***	---	<0.118	---	---	---	---	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	***	17,000	***	11,000	***	340	2.00	***	---	<0.118	---	---	---	---	---	---	---	---	---	---	---	---	---
3,3'-Dichlorobenzidine	13	***	1.00	***	280	***	0.007	***	---	<0.588	---	---	---	---	---	---	---	---	---	---	---	---	---
2,4-Dichlorophenol	6,100	***	230	***	610	***	1.00	***	---	<0.118	---	---	---	---	---	---	---	---	---	---	---	---	---
Diethyl phthalate	1,000,000	2,000	63,000	2,000	1000000	2,000	470	***	---	<0.118	---	---	---	---	---	---	---	---	---	---	---	---	---
2,4-Dimethylphenol	41,000	***	1600	***	41,000	***	9.00	***	---	<0.118	---	---	---	---	---	---	---	---	---	---	---	---	---
Dimethyl phthalate^	1000000	1300	780000	1300	***	***	380	***	---	<0.118	---	---	---	---	---	---	---	---	---	---	---	---	---
Di-N-butyl phthalate	200,000	2,300	7800	2300	200,000	2300	2300	***	---	<0.388	---	---	---	---	---	---	---	---	---	---	---	---	---
4,6-Dinitro-2-methylphenol	***	***	***	***	820	***	***	***	---	<0.588	---	---	---	---	---	---	---	---	---	---	---	---	---
2,4-Dinitrophenol	4,100	***	160	***	410	***	0.20	***	---	<0.588	---	---	---	---	---	---	---	---	---	---	---	---	---
2,4-Dinitrotoluene	8.40	***	0.9	***	180	***	0.0008	***	---	<0.118	---	---	---	---	---	---	---	---	---	---	---	---	---
2,6-Dinitrotoluene	8.40	***	0.9	***	180	***	0.0007	***	---	<0.118	---	---	---	---	---	---	---	---	---	---	---	---	---
Di-N-octyl phthalate	41,000	10,000	1600	10,000	4100	10,000	10,000	***	---	<0.388	---	---	---	---	---	---	---	---	---	---	---	---	---
Fluoranthene	82,000	***	3100	***	82000	***	4300	4.1	<1.29	<0.118	<1.18	<1.45	<1.2	<1.16	<1.2	1.59	10.6	2.43	21.7	3.75	---	0.192	<0.050
Fluorene	82,000	***	3100	***	82000	***	560	0.18	<1.29	<0.118	<1.18	<1.45	<1.2	<1.16	<1.2	<1.37	3.07	<1.35	8.03	<1.12	---	5.24	0.436
Hexachlorobenzene	4.0	1.8	0.4	1.00	78	2.6	2.00	***	---	<0.118	---	---	---	---	---	---	---	---	---	---	---	---	---
Hexachlorobutadiene^	410	1000	16	1000	***	***	2.9	***	---	<0.118	---	---	---	---	---	---	---	---	---	---	---	---	---
Hexachlorocyclopentadiene	14,000	16	550	10	14,000	1.1	400	***	---	<0.118	---	---	---	---	---	---	---	---	---	---	---	---	---
Hexachloroethane	2,000	***	78	***	2,000	***	0.50	***	---	<0.118	---	---	---	---	---	---	---	---	---	---	---	---	---
Indeno(1,2,3-cd)pyrene	8.0	***	0.9	***	170	***	14.0	1.6	<0.643	<0.118	<0.589	<0.725	<0.602	<0.579	<0.6	<0.683	<0.573	<0.674	<0.695	<0.559	---	<0.029	<0.029
Isophorone	410,000	4,600	15,600	4600	410,000	4600	8.00	***	---	<0.118	---	---	---	---	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene^	8200	990	310	***	820	***	7.7	***	---	<0.118	---	---	---	---	---	---	---	---	---	---	---	---	---
2-Methylphenol (o-cresol)	100,000	***	3900	***	100,000	***	15.00	***	---	<0.118	---	---	---	---	---	---	---	---	---	---	---	---	---
3 & 4-Methylphenol (m & p-cresol)^	10000	***	390	***	1000	***	0.24	***	---	<0.118	---	---	---	---	---	---	---	---	---	---	---	<0.123	---
Naphthalene	41,000	270	1600	170	4100	1.8	12.0	0.2	<1.29	<0.118	<1.18	<1.45	<1.2	<1.16	<1.2	<1.37	1.52	<1.35	11.7	<1.12	---	<0.025	<0.025
2-Nitroaniline^	***	120	***	73	610	3.6	***	***	---	<0.588	---	---	---	---	---	---	---	---	---	---	---	---	---
3-Nitroaniline	***	***	***	***	61	26	***	***	---	<0.588	---	---	---	---	---	---	---	---	---	---	---	---	---
4-Nitroaniline	***	***	***	***	610	110	***	***	---	<0.588	---	---	---	---	---	---	---	---	---	---	---	---	---
Nitrobenzene	1,000	140	39	92	1000	9.4	0.10	***	---	<0.0823	---	---	---	---	---	---	---	---	---	---	<0.0859	---	---

Chemical Name	Exposure Route-Specific SROs*							Background Within MSA	P2-GP-106 (4-6)	P2-GP-107 (6-8)	P2-GP-116 (4-6)	P2-GP-120 (4-6)	P2-GP-121 (8-10)	P2-GP-122 (8-10)	P2-GP-123 (0-2)	HOT-EX-W 4-5	HOT-EX-N 4-5	HOT-EX-E 4-5	HOT-EX-S 4-5	HOT-EX-B 5	P2-SB-125 (1-2)	EX-SWE (6)	EX-SWW (6)
	Industrial/Commercial		Residential		Construction Worker		Class I																
	Ingestion	Inhalation	Ingestion	Inhalation	Ingestion	Inhalation																	
SVOCs																							
2-Nitrophenol	***	***	***	***	***	***	***	---	<0.118	---	---	---	---	---	---	---	---	---	---	---	---	---	---
4-Nitrophenol	***	***	***	***	16000	***	***	---	<0.588	---	---	---	---	---	---	---	---	---	---	---	---	---	---
N-Nitrosodi-N-propylamine	0.8	***	0.09	***	18	***	0.00005	***	<0.118	---	---	---	---	---	---	---	---	---	---	---	---	---	---
N-Nitrosodiphenylamine	1,200	***	130	***	1.6	***	1.00	***	<0.118	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Pentachlorophenol	24	***	3.00	***	520	***	0.03	***	<0.588	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Phenanthrene^	61000	***	2300	***	61000	***	220	2.5	<1.29	<0.118	<1.18	<1.45	<1.2	<1.16	<1.2	<1.37	2.98	1.69	20.9	2.86	---	0.723	1.06
Phenol	610,000	***	23,000	***	61000	***	100	***	---	<0.118	---	---	---	---	---	---	---	---	---	---	---	---	---
Pyrene	61,000	***	2300	***	61000	***	4200	3	<1.29	<0.118	<1.18	<1.45	<1.2	<1.16	<1.2	<1.37	1.75	3.57	4.41	<1.12	---	0.807	<0.050
1,2,4-Trichlorobenzene	20,000	3,200	780	3200	2000	920	5.00	***	---	<0.118	---	---	---	---	---	---	---	---	---	---	---	---	---
2,4,5-Trichlorophenol	200,000	***	7800	***	200000	***	270	***	---	<0.588	---	---	---	---	---	---	---	---	---	---	---	---	---
2,4,6-Trichlorophenol	520	390	58	200	11000	540	0.20	***	---	<0.118	---	---	---	---	---	---	---	---	---	---	---	---	---

* Illinois EPA Tier 1 Soil Remediation Objectives (SROs); 35 IAC 742, Appendix B, Table A (Residential) and Table B (Industrial/Commercial)

All results in parts per million (mg/Kg) based on dry weight unless noted otherwise.

*** = No Remediation Objective

Results with **Bold and Shaded** indicate concentrations exceeding most stringent Tier 1 GROs.

^~Non-TACO Chemical. Limits prepared by IEPA Toxicity Assessment Unit - May 1, 2007.

MSA = Metropolitan Statistical Area

Table 2.3-Soil Analytical Results (PCBs/TCLP Metals)
Phase 2 Parcel
Franklin Park, IL

Chemical Name	Exposure Route-Specific SROs*						Soil Component of GW Ingestion	P2-GP-105 (2-4)	WC#2	FP-WC-01(0 2)
	Industrial/Commercial		Construction Worker		Residential					
	ingestion	inhalation	ingestion	inhalation	ingestion	inhalation	mg/L			
TCLP Metals	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/L	mg/L	mg/L	
Arsenic	***	1200	61.0	25,000	***	750	0.05	<0.05	<0.05	---
Barium	140,000	910,000	14,000	870,000	5500	690,000	2.0	0.766	0.729	---
Cadmium	2000	2800	200	59,000	78	1800	0.005	<0.005	<0.005	---
Chromium	6100	420	4100	690	230	270	0.1	<0.1	<0.1	---
Lead	800	---	700	***	400	***	0.0075	0.087	<0.005	---
Mercury	610	16	61.0	0.1	23	10	0.002	<0.0002	<0.0002	---
Selenium	10,000	---	1000	***	390	***	0.05	<0.05	<0.05	---
Silver	10,000	---	1000	***	390	***	0.05	<0.05	<0.05	---
PCBs	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/L	mg/kg	mg/kg	
PCB-1016	1.0	***	1.0	***	1.0	***	***	<0.0318	<0.0343	---
PCB-1221	1.0	***	1.0	***	1.0	***	***	<0.0318	<0.0343	---
PCB-1232	1.0	***	1.0	***	1.0	***	***	<0.0318	<0.0343	---
PCB-1242	1.0	***	1.0	***	1.0	***	***	<0.0318	<0.0343	---
PCB-1248	1.0	***	1.0	***	1.0	***	***	<0.0318	<0.0343	---
PCB-1254	1.0	***	1.0	***	1.0	***	***	<0.0318	<0.0343	---
PCB-1260	1.0	***	1.0	***	1.0	***	***	<0.0318	<0.0343	---
TCLP VOCs							mg/L			mg/L
1,1-Dichloroethene	***	***	***	***	***	***	0.007	---	---	<0.020
1,2-Dichloroethane	***	***	***	***	***	***	0.005	---	---	<0.020
Benzene	***	***	***	***	***	***	0.005	---	---	<0.020
Carbon tetrachloride	***	***	***	***	***	***	0.005	---	---	<0.020
Chlorobenzene	***	***	***	***	***	***	0.1	---	---	<0.020
Chloroform	***	***	***	***	***	***	0.1	---	---	<0.020
Methyl Ethyl Ketone^	***	***	***	***	***	***	4.2	---	---	<0.10
Tetrachloroethene	***	***	***	***	***	***	0.005	---	---	0.25
Trichloroethene	***	***	***	***	***	***	0.005	---	---	<0.020
Vinyl chloride	***	***	***	***	***	***	0.002	---	---	<0.020

* Illinois EPA Tier 1 Soil Remediation Objectives (SROs); 35 IAC 742, Appendix B, Table A (Residential) and Table B (Industrial/Commercial)

*** = No Remediation Objective

Results with **Bold and Shaded** indicate concentrations exceeding most stringent Tier 1 GROs.

^--Non-TACO Chemical. Limits prepared by IEPA Toxicity Assessment Unit - May 1, 2007.

Table 2.4-Soil Analytical Results (General Soil Chemistry)
Phase 2 Parcel
Franklin Park, IL

Chemical Name	Exposure Route-Specific SROs*				Exposure Route-Specific SROs*		Soil Component of GW Ingestion Route*		P2- GP-105 (2-4) (8oz.)	WC#2
	<i>Industrial/Commercial</i>		<i>Construction Worker</i>		<i>Residential</i>		Class I	Class II		
	ingestion	inhalation	ingestion	inhalation	ingestion	inhalation				
Gen Chem										
Reactive Cyanide	***	***	***	***	***	***	***	***	<0.166	<0.179
Reactive Sulfide	***	***	***	***	***	***	***	***	<8.28	<8.93
Flashpoint	***	***	***	***	***	***	***	***	0	0

* Illinois EPA Tier 1 Soil Remediation Objectives (SROs); 35 IAC 742, Appendix B, Table A (Residential) and Table B (Industrial/Commercial)

All results in parts per million (**mg/Kg**) based on dry weight unless noted otherwise.

*** = No Remediation Objective

TABLE 2.5
HISTORICAL SOIL ANALYTICAL RESULTS (ORGANIC)
Phase 1 and Phase 2 Parcels
Franklin Park, IL
(Only detected compounds shown)

Samples Taken June 2002 through November 2003	Residential				Sample Description (Samples from initial investigation - 2002)												
	Exposure Route - Specific Values for Soils		Component of the Groundwater Ingestion Exposure Route Values	ADL (mg/kg)	SB02	SB04	SB05	SB06	SB07-4	SB08	SB09	SB10	SB13	SB16	SB21C	SB22C	
	Ingestion (mg/kg)	Inhalation (mg/kg)	Class I (mg/kg)		14 ft	15 ft	12.5 ft	13 ft	13.5 ft	13 ft	13 ft	12 ft	12.5 ft	8 ft	0-10 ft	0-8 ft	
Chemical Name																	
Volatile Organic Compounds																	
Acetone	7800 ^b	100000 ^d	16 ^b	*	ND	ND	ND	ND	ND	0.043	0.0363	ND	ND	ND	N/A	ND	
Semivolatiles - Base Neutral/Acid Compounds (Includes Polynuclear Aromatics)																	
Acenaphthene	4,700 ^b	-----c	570 ^b	*	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.48	ND	ND	
Anthracene	23,000 ^b	-----c	12,000 ^b	*	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.11	ND	ND	
Benzo(a)anthracene	0.9 ^e	-----c	2	*	ND	ND	ND	ND	ND	ND	ND	ND	ND	9.21	ND	ND	
Benzo(b)fluoranthene	0.9 ^e	-----c	5	*	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.11	ND	ND	
Benzo(k)fluoranthene	9 ^e	-----c	49	*	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.01	ND	ND	
Benzo(g,h,i)perylene	**	**	**	**	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.81	ND	ND	
Benzo(a)pyrene	0.09 ^{e,f}	-----c	8	*	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.81	0.0156	ND	
Carbazole	32 ^e	---c	0.6 ^e	NA	N/A	N/A	ND	ND	N/A	ND	N/A	N/A	ND	2.52	N/A	N/A	
Chrysene	88 ^e	---c	160	*	ND	ND	ND	ND	ND	ND	ND	ND	ND	8.29	ND	ND	
Dibenzo(a,h)anthracene	0.09 ^{e,f}	---c	2	*	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.16	ND	ND	
Dibenzofuran	**	**	**	**	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.48	ND	ND	
Fluoranthene	3100 ^b	---c	4300 ^b	*	ND	ND	ND	ND	ND	ND	ND	ND	ND	26.1	ND	ND	
Fluorene	3100 ^b	---c	560 ^b	*	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.17	ND	ND	
Indeno(1,2,3-c,d)pyrene	0.9 ^e	---c	14	*	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.38	ND	ND	
2-Methylnaphthalene	**	**	**	**	N/A	N/A	ND	ND	N/A	ND	N/A	N/A	ND	ND	N/A	N/A	
Phenanthrene	**	**	**	**	ND	ND	ND	ND	ND	ND	ND	ND	ND	28.4	ND	ND	
Pyrene	2300 ^b	---c	4200 ^b	*	ND	ND	ND	ND	ND	ND	ND	ND	ND	39.7	ND	ND	

TACO Notes:

* indicates that the ADL is less than or equal to the specified remediation objective.
 **indicates that the value is not listed in TACO, Section 742, Table A.

Data Specific Notes:

1.5 Indicates exceedance of Tier 1 residential objective
 The concentration detected is characteristic of a laboratory artifact

NA means Not Available; no PQL or EQL available in USEPA analytical methods.

N/A means Not Analyzed

ND means analyte Not Detected at or above the laboratory reporting limit

See Table 1 for a complete list of analyses performed

TABLE 2.5
HISTORICAL SOIL ANALYTICAL RESULTS (ORGANIC)
Phase 1 and Phase 2 Parcels
Franklin Park, IL
(Only detected compounds shown)

Samples Taken June 2002 through November 2003	Residential				Sample Description (Samples from supplemental investigation - 2003)							
	Exposure Route - Specific Values for Soils		Component of the Groundwater Ingestion Exposure Route Values	ADL (mg/kg)	SB24	SB25	SB26	SB27	SB28	Floor (9)	SB29	SB32
	Ingestion (mg/kg)	Inhalation (mg/kg)			Class I (mg/kg)	7 ft	7 ft	6 ft	6 ft	6.5 ft	9 ft	6-7 ft
Chemical Name												
Volatile Organic Compounds					Defined Limits of SVOC Impact							
Acetone	7800 ^b	100000 ^d	16 ^b	*	ND	N/A	N/A	N/A	N/A	N/A	ND	ND
Semivolatiles - Base Neutral/Acid Compounds (Includes Polynuclear Aromatics)												
Acenaphthene	4,700 ^b	-----c	570 ^b	*	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	23,000 ^b	-----c	12,000 ^b	*	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	0.9 ^e	-----c	2	*	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.9 ^e	-----c	5	*	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	9 ^e	-----c	49	*	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	**	**	**	**	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	0.09 ^{e,f}	-----c	8	*	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	32 ^e	---c	0.6 ^e	NA	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	88 ^e	---c	160	*	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	0.09 ^{e,f}	---c	2	*	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	**	**	**	**	0.768	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	3100 ^b	---c	4300 ^b	*	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	3100 ^b	---c	560 ^b	*	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-c,d)pyrene	0.9 ^e	---c	14	*	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	**	**	**	**	8.16	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	**	**	**	**	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	2300 ^b	---c	4200 ^b	*	ND	ND	ND	ND	ND	ND	ND	ND

TACO Notes:

* indicates that the ADL is less than or equal to the specified remediation objective.
 **indicates that the value is not listed in TACO, Section 742, Table A.

Data Specific Notes:	
1.5	Indicates exceedance of Tier 1 residential objective
1.5	The concentration detected is characteristic of a laboratory artifact

NA means Not Available; no PQL or EQL available in USEPA analytical methods.
 N/A means Not Analyzed
 ND means analyte Not Detected at or above the laboratory reporting limit

See Table 1 for a complete list of analyses performed

TABLE 2.6
HISTORICAL SOIL ANALYTICAL RESULTS (INORGANIC)
Phase 1 and Phase 2 Parcels
Franklin Park, IL

Chemical Name	Residential		C pH 7.25-7.74 for Groundwater Ingestion Route (Class I Groundwater) (mg/kg)	C pH 7.75 -8.24 for Groundwater Ingestion Route (Class I Groundwater) (mg/kg)	A Counties Within Metropolitan Statistical Areas ^B (For Inorganic Chem in Background Soils) (mg/kg)	Sample Description									
	Ingestion (mg/kg)	Inhalation (mg/kg)				SB02	SB04	SB05	SB06	SB31 (SB06 Resample)	SB07-4	SB08	SB09	SB10	SB13
						14 ft	15 ft	12.5 ft	13 ft	6.5 ft	13.5 ft	13 ft	13 ft	12 ft	12.5 ft
INORGANICS															
Metals															
Aluminum	**	**	N/A	N/A	9500	N/A	N/A	5390	10600	N/A	N/A	9850	N/A	N/A	10100
Antimony	31 ^b	-----c	5.0	5	4	N/A	N/A	ND	ND	N/A	N/A	ND	N/A	N/A	ND
Arsenic ^{ln}	750 ^p	750 ^p	30	31	13	ND	ND	ND	ND	N/A	N/A	ND	ND	ND	ND
Barium	5500 ^b	690000 ^b	1800	2100	110	ND	39	34	57.7	N/A	N/A	48.7	32.2	38.8	39.8
Beryllium	160 ^b	1300 ^e	1000	8000	0.59	N/A	N/A	ND	ND	N/A	N/A	ND	N/A	N/A	ND
Cadmium ^{ln}	78 ^{b,t}	1800 ^e	59	430	0.6	ND	ND	ND	ND	N/A	N/A	ND	ND	ND	ND
Calcium	**	**	N/A	N/A	9300	N/A	N/A	49600	47800	N/A	N/A	52300	N/A	N/A	52000
Chromium, total	230 ^b	270 ^e	N/A	N/A	16.2	6.67	15.1	7.97	16.0	N/A	N/A	15.5	15.5	15.8	15.6
Chromium, ion, hexavalent	230 ^b	270 ^e	32	38	-	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Cobalt	4700 ^b	-----c	N/A	N/A	8.9	N/A	N/A	9.55	8.52	N/A	N/A	11.8	N/A	N/A	13.3
Copper ⁿ	2900 ^b	-----c	330000	330000	19.6	N/A	N/A	26	22.3	N/A	N/A	21.1	N/A	N/A	24.6
Cyanide (amenable)	1600 ^b	-----c	40	40	0.51	N/A	N/A	ND	ND	N/A	N/A	ND	N/A	N/A	ND
Iron	-----c	-----c	N/A	N/A	15900	N/A	N/A	16300	25000	N/A	N/A	19100	N/A	N/A	22400
Lead	400 ^e	-----c	N/A	N/A	36	12.7	8.59	12.1	11.0	N/A	N/A	11.5	10.00	9.09	9.11
Magnesium	**	**	N/A	N/A	4820	N/A	N/A	29200	22500	N/A	N/A	24800	N/A	N/A	24900
Manganese	3700 ^b	69000 ^b	N/A	N/A	636	N/A	N/A	510	324	N/A	N/A	304	N/A	N/A	336
Mercury ^{ln,s}	23 ^b	10 ^b	6.4	8.0	0.06	ND	ND	ND	0.243	N/A	N/A	ND	ND	ND	ND
Nickel ^l	1600 ^b	13000 ^e	700	3800	18	N/A	N/A	22	23.1	N/A	N/A	28.6	N/A	N/A	31.4
Potassium	**	**	N/A	N/A	1268	N/A	N/A	961	1760	N/A	N/A	2700	N/A	N/A	2510
Selenium ^{ln}	390 ^b	-----c	3.3	2.4	0.48	ND	ND	ND	ND	N/A	N/A	ND	ND	ND	ND
Silver	390 ^b	-----c	39	110	0.55	ND	ND	ND	ND	N/A	N/A	ND	ND	ND	ND
Sodium	**	**	N/A	N/A	130	N/A	N/A	242	794	N/A	N/A	226	N/A	N/A	241
Thallium	6.3 ^{b,u}	-----c	3.4	3.8	0.32	N/A	N/A	ND	5.6	1.62	N/A	ND	N/A	N/A	5.11
Vanadium	550 ^b	-----c	980	980	25.2	N/A	N/A	15.3	25.6	N/A	N/A	23.2	N/A	N/A	23.7
Zinc ^l	23000 ^b	-----c	16000	53000	95	N/A	N/A	53.7	55.6	N/A	N/A	36.8	N/A	N/A	58.5
OTHER PARAMETERS															
Organic Carbon, Fractional (%)						1.87	N/A	N/A	N/A	N/A	1.95	N/A	N/A	1.66	N/A
pH@ 25°C (1:10)						8.19	N/A	N/A	N/A	N/A	8.11	N/A	N/A	7.88	N/A

Data Specific Notes:
0.11 Indicates compound detected above applicable Tier 1 objective.
0.11 Indicates compound detected above 2 or more applicable Tier 1 objectives.

^A conservatively assumes that all detected Chromium is CR+6
 Samples taken June 2002 to November 2003

TACO Notes:
 * indicates that the ADL is less than or equal to the specified remediation objective.
 **indicates that the value is not listed in TACO, Section 742, Table A.

ND means analyte Not Detected at or above the laboratory reporting limit
 NA means Not Available; no PQL or EQL available in USEPA analytical methods.
 N/A means Not Applicable

^A Section 742, Appendix A, Table G: Concentrations of Inorganic Chemicals in Background Soils

^B Counties within Metropolitan Statistical Areas: Boone, Champaign, Clinton, Cook, DuPage, Grundy, Henry, Jersey, Kane, Kankakee, Kendall, Lake, Macon, Madison, McHenry, McLean, Mendard, Monroe, Peoria, Rock Island, Sangamon, St. Clair, Tazewell, Will, Winnebago and Woodford.

^C Section 742, Appendix B, Table C: pH Specific Soil Remediation Objectives for Inorganics and Ionizing Organics for the Soil Component of the Groundwater Ingestion Route (Class I Groundwater)

^D No Data available for this pH range

TABLE 2.6
HISTORICAL SOIL ANALYTICAL RESULTS (INORGANIC)
Phase 1 and Phase 2 Parcels
Franklin Park, IL

Chemical Name	Residential		Route (Class I) Groundwater (mg/kg)	Route (Class I) Groundwater (mg/kg)	Counties Within Metropolitan Statistical Areas ^B (For Inorganic Chem in Background Soils) (mg/kg)	Sample Description						
	Exposure Route-Specific Values for Soils					SB16	SB19	SB20C	SB21C	SB30 (SB21C Resample)	SB22C	SB29 (SB22C Resample)
	Ingestion (mg/kg)	Inhalation (mg/kg)										
INORGANICS												
Metals												
Aluminum	**	**	N/A	N/A	9500	4360	N/A	6940	N/A	N/A	N/A	N/A
Antimony	31 ^b	-----c	5.0	5	4	ND	N/A	ND	N/A	N/A	N/A	N/A
Arsenic ^{ln}	750 ^t	750 ^t	30	31	13	ND	ND	ND	N/A	N/A	N/A	N/A
Barium	5500 ^b	690000 ^b	1800	2100	110	ND	ND	35.7	N/A	N/A	N/A	N/A
Beryllium	160 ^b	1300 ^e	1000	8000	0.59	ND	N/A	ND	N/A	N/A	N/A	N/A
Cadmium ^{ln}	78 ^{b,r}	1800 ^e	59	430	0.6	ND	ND	ND	N/A	N/A	N/A	N/A
Calcium	**	**	N/A	N/A	9300	55900	N/A	56300	N/A	N/A	N/A	N/A
Chromium, total	230 ^b	270 ^e	N/A	N/A	16.2	6.94	7.16	15.80	N/A	N/A	N/A	N/A
Chromium, ion, hexavalent	230 ^b	270 ^e	32	38	-	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Cobalt	4700 ^b	-----c	N/A	N/A	8.9	8.98	N/A	6.69	N/A	N/A	N/A	N/A
Copper ⁿ	2900 ^b	-----c	330000	330000	19.6	23.4	N/A	20.7	N/A	N/A	N/A	N/A
Cyanide (amenable)	1600 ^b	-----c	40	40	0.51	ND	N/A	ND	N/A	N/A	N/A	N/A
Iron	-----c	-----c	N/A	N/A	15900	15700	N/A	15700	N/A	N/A	N/A	N/A
Lead	400 ^k	-----c	N/A	N/A	36	12.5	10.8	10.8	N/A	N/A	N/A	N/A
Magnesium	**	**	N/A	N/A	4820	35500	N/A	31000	N/A	N/A	N/A	N/A
Manganese	3700 ^b	69000 ^b	N/A	N/A	636	322	N/A	473	N/A	N/A	N/A	N/A
Mercury ^{ln,s}	23 ^b	10 ^b	6.4	8.0	0.06	ND	ND	ND	N/A	N/A	N/A	N/A
Nickel ^l	1600 ^b	13000 ^e	700	3800	18	18.8	N/A	16.5	N/A	N/A	N/A	N/A
Potassium	**	**	N/A	N/A	1268	1180	N/A	964	N/A	N/A	N/A	N/A
Selenium ^{ln}	390 ^b	-----c	3.3	2.4	0.48	ND	ND	ND	N/A	N/A	N/A	N/A
Silver	390 ^b	-----c	39	110	0.55	ND	ND	ND	N/A	N/A	N/A	N/A
Sodium	**	**	N/A	N/A	130	389	N/A	558	N/A	N/A	N/A	N/A
Thallium	6.3 ^{b,u}	-----c	3.4	3.8	0.32	4.98	N/A	ND	6.04	1.22	4.98	1.44
Vanadium	550 ^b	-----c	980	980	25.2	16.3	N/A	17.5	N/A	N/A	N/A	N/A
Zinc ^l	23000 ^b	-----c	16000	53000	95	42.3	N/A	43.2	N/A	N/A	N/A	N/A
OTHER PARAMETERS												
Organic Carbon, Fractional (%)						N/A	1.99	N/A	N/A	N/A	N/A	N/A
pH@ 25°C (1:10)						N/A	7.38	N/A	N/A	8.06	N/A	N/A

Data Specific Notes:
0.11 Indicates compound detected above applicable Tier 1 objective.
0.11 Indicates compound detected above 2 or more applicable Tier 1 objectives.

^A conservatively assumes that all detected Chromium is CR+6
 Samples taken June 2002 to November 2003

TACO Notes:
 * indicates that the ADL is less than or equal to the specified remediation objective.
 **indicates that the value is not listed in TACO, Section 742, Table A.

ND means analyte Not Detected at or above the laboratory reporting limit
 NA means Not Available; no PQL or EQL available in USEPA analytical methods.
 N/A means Not Applicable

^A Section 742, Appendix A, Table G: Concentrations of Inorganic Chemicals in Background Soils
^B Counties within Metropolitan Statistical Areas: Boone, Champaign, Clinton, Cook, DuPage, Grundy, Henry, Jersey, Kane, Kankakee, Kendall, Rock Island, Sangamon, St. Clair, Tazewell, Will, Winnebago and Woodford.
^C Section 742, Appendix B, Table C: pH Specific Soil Remediation Objectives for Inorganics and Ionizing Organics for the Soil Component of t
^D No Data available for this pH range

Table 3.1-Groundwater Analytical Results
Phase 2 Parcel
Franklin Park, IL

Chemical Name	GRO (mg/L)*		P2-MW-1	HOT-TB-1 (Trip Blank)
	Class I	Class II		
VOCs				
Acetone	6.3	6.3	0.0143	---
Benzene	0.005	0.025	<0.002	<0.002
Bromodichloromethane	0.0002	0.0002	<0.002	---
Bromoform	0.001	0.001	<0.001	---
Bromomethane	0.0098	0.049	<0.002	---
2-Butanone (MEK)^	4.2	4.2	<0.02	---
Carbon disulfide	0.7	3.5	<0.002	---
Carbon Tetrachloride	0.005	0.025	<0.002	---
Chlorobenzene	0.1	0.5	<0.002	---
Chlorodibromomethane	0.14	0.14	<0.002	---
Chloroethane^	2.8	14	<0.002	---
Chloroform	0.0002	0.001	<0.002	---
Chloromethane^	0.028	0.14	<0.002	---
1,1-Dichloroethane	0.7	3.5	<0.002	---
1,2-Dichloroethane	0.005	0.025	0.0058	---
1,1-Dichloroethene	0.007	0.035	<0.002	---
cis-1,2-Dichloroethene	0.07	0.2	<0.002	---
trans-1,2-Dichloroethene	0.1	0.5	<0.002	---
1,2-Dichloropropane	0.005	0.025	<0.002	---
Ethylbenzene	0.7	1.0	<0.002	<0.002
2-Hexanone^	0.28	0.28	<0.01	---
Methylene chloride	0.005	0.05	<0.002	---
4-Methyl-2-Pentanone (MIBK)^	***	***	<0.01	---
Methyl tert-butyl ether	0.0700	0.0700	<0.002	---
Styrene	0.1	0.5	<0.002	---
1,1,2,2-Tetrachloroethane^	0.42	0.42	<0.002	---
Tetrachloroethene	0.005	0.025	<0.002	---
Toluene	1.0	2.5	<0.002	<0.002
1,1,1-Trichloroethane	0.2	1.0	<0.002	---
1,1,2-Trichloroethane	0.005	0.05	<0.002	---
Trichloroethene	0.005	0.025	<0.002	---
Trichlorofluoromethane^	2.1	10.5	<0.002	---
Vinyl Acetate	7.0	7.0	<0.01	---
Vinyl chloride	0.002	0.01	0.0126	---
Xylenes (total)	10.0	10.0	<0.004	<0.004

* Illinois EPA Tier 1 Groundwater Remediation Objectives (GROs; 35 IAC 742, Appendix B, Table E)

All results in parts per million (mg/L) unless noted otherwise.

*** = No Remediation Objective

Results with **Bold and Shaded** indicate concentrations exceeding most stringent Tier 1 GROs.

^--Non-TACO Chemical. Limits prepared by IEPA Toxicity Assessment Unit - May 1, 2007.

TABLE 3.2
HISTORICAL GROUNDWATER ANALYTICAL RESULTS
Phase 1 and Phase 2 Parcels
Franklin Park, IL
(Only detected compounds shown)

Samples collected June 2002 to November 2003	Groundwater Remediation Objective		Sample Description					
			SW Corner-Franklin Avenue	SW Corner-Rose Street	North of Dry Cleaner	NW Corner - Calwagner St	Center of Open Lots	Next to MW16
Chemical Name	Class I (mg/L)	Class II (mg/L)	MW05	MW06	MW08	MW13	MW16	SB23
ORGANICS			(mg/L)					
Volatile Organic Compounds								
Acetone	0.7	0.7	0.0367	0.013	0.0158	ND	0.037	N/A
Toluene	1.0 ^c	2.5 ^c	ND	ND	0.00259	ND	ND	N/A
Trichlorofluoromethane	**	**	ND	ND	ND	ND	0.00258	N/A
Base-Neutral/Acid Compounds (Includes Polynuclear Aromatics)								
Naphthalene	0.14	0.22	0.00844	ND	ND	ND	ND	N/A
Inorganics								
Thallium	0.002 ^c	0.02 ^c	N/A	ND	N/A	ND	N/A	ND

Data Specific Notes:

The concentration detected is characteristic of a laboratory artifact

N/A means Not Analyzed

ND means analyte Not Detected at or above the laboratory reporting limit

TACO Notes:

**indicates that the value is not listed in TACO, Section 742, Table E.

Chemical Name and Soil Remediation Objective Notations

- a The groundwater remediation objective is equal to ADL for carcinogens according to the procedures specified in 35 Ill. Adm. Code 620.
- b Oral Reference Dose and/or Reference Concentration under review by USEPA. Listed values subject to change.
- c Value listed is also the Groundwater Quality Standard for this chemical pursuant to 35 Ill. Adm. Code 620.410 for Class I Groundwater or 35 Ill. Adm. Code 620.420 for Class II Groundwater.

ANALYTICAL REPORT

Job Number: 500-9218-1

SDG Number: 500-9218-1

Job Description: Franklin Park 02077

For:

V3 Companies of Illinois Ltd

120 North LaSalle

Suite 1550

Chicago, IL 60602

Attention: Jeff Paddock



Bonnie M Stadelmann

Project Manager II

bonnie.stadelmann@testamericainc.com

02/07/2008

cc: Rachael Berthiaume

These test results meet all the requirements of NELAC for accredited parameters.

The Lab Certification ID# is 100201.

All questions regarding this test report should be directed to the TestAmerica Project Manager whose signature appears on this report. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.

TestAmerica Laboratories, Inc.

TestAmerica Chicago 2417 Bond Street, University Park, IL 60466

Tel (708) 534-5200 Fax (708) 534-5211 www.testamericainc.com



Table of Contents

Cover Title Page	1
Report Narrative	3
Executive Summary	4
Method Summary	5
Method / Analyst Summary	6
Sample Summary	7
Sample Results	8
Sample Datasheets	9
QC Results	11
Qc Association Summary	12
Surrogate Recovery Report	13
Qc Reports	17
Client Chain of Custody	22
Sample Receipt Checklist	23

Job Narrative
500-J9218-1

Comments

No additional comments.

Receipt

All samples were received in good condition within temperature requirements.

GC/MS VOA

No analytical or quality issues were noted.

Metals

No analytical or quality issues were noted.

EXECUTIVE SUMMARY - Detections

Client: V3 Companies of Illinois Ltd

Job Number: 500-9218-1

Sdg Number: 500-9218-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
500-9218-1	FP-WC-01(0-2)				
Tetrachloroethene		32	1.2	mg/Kg	8260B
Trichloroethene		2.6	0.059	mg/Kg	8260B
Percent Moisture		20	0.10	%	PercentMoisture
Percent Solids		80	0.10	%	PercentMoisture
<i>TCLP</i>					
Tetrachloroethene		0.25	0.020	mg/L	8260B

METHOD SUMMARY

Client: V3 Companies of Illinois Ltd

Job Number: 500-9218-1

Sdg Number: 500-9218-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
VOC - F-Coded Solvents	TAL CHI	SW846 8260B	
Volatile Organic Compounds by GC/MS	TAL CHI	SW846 8260B	
Toxicity Characteristic Leaching Procedure (ZHE)	TAL CHI		SW846 1311
Closed System Purge & Trap/Field Methanol	TAL CHI		SW846 5035
Purge and Trap on Leachates	TAL CHI		SW846 5030B

Lab References:

TAL CHI = TestAmerica Chicago

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: V3 Companies of Illinois Ltd

Job Number: 500-9218-1

Sdg Number: 500-9218-1

Method	Analyst	Analyst ID
SW846 8260B	Drabek, Dave J	DJD
SW846 8260B	Nagel, John D	JDN
EPA PercentMoisture	Boyd, Cheryl L	CLB

SAMPLE SUMMARY

Client: V3 Companies of Illinois Ltd

Job Number: 500-9218-1

Sdg Number: 500-9218-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
500-9218-1	FP-WC-01(0-2)	Solid	01/29/2008 1200	01/30/2008 1050

SAMPLE RESULTS

Jeff Paddock
V3 Companies of Illinois Ltd
120 North LaSalle
Suite 1550
Chicago, IL 60602

Job Number: 500-9218-1
Sdg Number: 500-9218-1

Client Sample ID: FP-WC-01(0-2)
Lab Sample ID: 500-9218-1

Date Sampled: 01/29/2008 1200
Date Received: 01/30/2008 1050
Client Matrix: Solid

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
Method: TCLP-8260B			Date Analyzed:	02/01/2008 1637	
Prep Method: 5030B			Date Prepared:	02/01/2008 1637	
1,1-Dichloroethene	<0.020	mg/L	0.020	0.020	20
1,2-Dichloroethane	<0.020	mg/L	0.020	0.020	20
Benzene	<0.020	mg/L	0.020	0.020	20
Carbon tetrachloride	<0.020	mg/L	0.020	0.020	20
Chlorobenzene	<0.020	mg/L	0.020	0.020	20
Chloroform	<0.020	mg/L	0.020	0.020	20
Methyl Ethyl Ketone	<0.10	mg/L	0.10	0.10	20
Tetrachloroethene	0.25	mg/L	0.020	0.020	20
Trichloroethene	<0.020	mg/L	0.020	0.020	20
Vinyl chloride	<0.020	mg/L	0.020	0.020	20
Surrogate			Acceptance Limits		
1,2-Dichloroethane-d4 (Surr)	113	%	70 - 125		
Toluene-d8 (Surr)	94	%	75 - 120		
4-Bromofluorobenzene (Surr)	87	%	75 - 120		
Dibromofluoromethane	103	%	75 - 120		
Method: 8260B			Date Analyzed:	02/04/2008 1512	
Prep Method: 5035			Date Prepared:	01/29/2008 1200	
1,1,1-Trichloroethane	<0.12	mg/Kg	0.019	0.12	2.0
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.23	mg/Kg	0.078	0.23	2.0
1,1,2-Trichloroethane	<0.12	mg/Kg	0.039	0.12	2.0
1,2-Dichlorobenzene	<0.23	mg/Kg	0.060	0.23	2.0
1,4-Dichlorobenzene	<0.23	mg/Kg	0.055	0.23	2.0
Carbon tetrachloride	<0.12	mg/Kg	0.069	0.12	2.0
Chlorobenzene	<0.12	mg/Kg	0.028	0.12	2.0
Dichlorodifluoromethane	<0.23	mg/Kg	0.053	0.23	2.0
Methylene Chloride	<0.23	mg/Kg	0.069	0.23	2.0
Trichloroethene	2.6	mg/Kg	0.026	0.059	2.0
Trichlorofluoromethane	<0.23	mg/Kg	0.040	0.23	2.0
Surrogate			Acceptance Limits		
1,2-Dichloroethane-d4 (Surr)	95	%	70 - 125		
4-Bromofluorobenzene (Surr)	92	%	75 - 120		
Dibromofluoromethane	94	%	75 - 120		
Toluene-d8 (Surr)	100	%	75 - 120		
Method: 8260B Run Type: DL			Date Analyzed:	02/04/2008 1536	
Prep Method: 5035			Date Prepared:	01/29/2008 1200	
Tetrachloroethene	32	mg/Kg	0.46	1.2	20

Jeff Paddock
V3 Companies of Illinois Ltd
120 North LaSalle
Suite 1550
Chicago, IL 60602

Job Number: 500-9218-1
Sdg Number: 500-9218-1

Client Sample ID: FP-WC-01(0-2)
Lab Sample ID: 500-9218-1

Date Sampled: 01/29/2008 1200
Date Received: 01/30/2008 1050
Client Matrix: Solid
Percent Solids: 80

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
Surrogate				Acceptance Limits	
1,2-Dichloroethane-d4 (Surr)	95	%		70 - 125	
4-Bromofluorobenzene (Surr)	94	%		75 - 120	
Dibromofluoromethane	96	%		75 - 120	
Toluene-d8 (Surr)	101	%		75 - 120	
Method: PercentMoisture			Date Analyzed:	01/30/2008 2040	
Percent Moisture	20	%	0.10	0.10	1.0

QUALITY CONTROL RESULTS

Quality Control Results

Client: V3 Companies of Illinois Ltd

Job Number: 500-9218-1

Sdg Number: 500-9218-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Prep Batch: 500-31180					
500-9218-1	FP-WC-01(0-2)	T	Solid	5035	
500-9218-1DL	FP-WC-01(0-2)	T	Solid	5035	
Prep Batch: 500-31291					
LB 500-31291/1-A	TCLP SPLPE Leachate Blank	P	Solid	1311	
500-9218-1	FP-WC-01(0-2)	P	Solid	1311	
Analysis Batch:500-31411					
LB 500-31291/1-A	TCLP SPLPE Leachate Blank	P	Solid	8260B	
LCS 500-31411/8	Lab Control Spike	T	Water	8260B	
MB 500-31411/7	Method Blank	T	Water	8260B	
500-9218-1	FP-WC-01(0-2)	P	Solid	8260B	
Analysis Batch:500-31479					
LCS 500-31479/4	Lab Control Spike	T	Solid	8260B	
MB 500-31479/3	Method Blank	T	Solid	8260B	
500-9218-1	FP-WC-01(0-2)	T	Solid	8260B	500-31180
500-9218-1DL	FP-WC-01(0-2)	T	Solid	8260B	500-31180

Report Basis

P = TCLP

T = Total

General Chemistry

Analysis Batch:500-31187					
500-9218-1	FP-WC-01(0-2)	T	Solid	PercentMoisture	

Report Basis

T = Total

Quality Control Results

Client: V3 Companies of Illinois Ltd

Job Number: 500-9218-1

Sdg Number: 500-9218-1

Surrogate Recovery Report

8260B VOC - F-Coded Solvents

Client Matrix: Solid

Lab Sample ID	Client Sample ID	12DCE %Rec	BFB %Rec	DBFM %Rec	TOL %Rec
500-9218-1	FP-WC-01(0-2)	95	92	94	100
500-9218-1 DL	FP-WC-01(0-2) DL	95	94	96	101

Surrogate	Acceptance Limits
12DCE = 1,2-Dichloroethane-d4 (Surr)	70-125
BFB = 4-Bromofluorobenzene (Surr)	75-120
DBFM = Dibromofluoromethane	75-120
TOL = Toluene-d8 (Surr)	75-120

Quality Control Results

Client: V3 Companies of Illinois Ltd

Job Number: 500-9218-1

Sdg Number: 500-9218-1

Surrogate Recovery Report

8260B VOC - F-Coded Solvents

Client Matrix: Solid

Lab Sample ID	Client Sample ID	12DCE %Rec	BFB %Rec	TOL %Rec	DBFM %Rec
MB 500-31479/3		89	92	99	93
LCS 500-31479/4		89	95	100	95

Surrogate	Acceptance Limits
12DCE = 1,2-Dichloroethane-d4 (Surr)	74-143
BFB = 4-Bromofluorobenzene (Surr)	75-120
TOL = Toluene-d8 (Surr)	75-130
DBFM = Dibromofluoromethane	78-142

Quality Control Results

Client: V3 Companies of Illinois Ltd

Job Number: 500-9218-1

Sdg Number: 500-9218-1

Surrogate Recovery Report

8260B Volatile Organic Compounds by GC/MS

Client Matrix: Solid TCLP

Lab Sample ID	Client Sample ID	12DCE %Rec	BFB %Rec	TOL %Rec	DBFM %Rec
MB 500-31411/7		109	90	93	98
LB 500-31291/1-A		113	88	93	107
LCS 500-31411/8		106	99	96	100

Surrogate	Acceptance Limits
12DCE = 1,2-Dichloroethane-d4 (Surr)	70-125
BFB = 4-Bromofluorobenzene (Surr)	75-120
TOL = Toluene-d8 (Surr)	75-120
DBFM = Dibromofluoromethane	75-120

Quality Control Results

Client: V3 Companies of Illinois Ltd

Job Number: 500-9218-1

Sdg Number: 500-9218-1

Surrogate Recovery Report

8260B Volatile Organic Compounds by GC/MS

Client Matrix: Solid TCLP

Lab Sample ID	Client Sample ID	12DCE %Rec	TOL %Rec	BFB %Rec	DBFM %Rec
500-9218-1	FP-WC-01(0-2)	113	94	87	103

Surrogate	Acceptance Limits
12DCE = 1,2-Dichloroethane-d4 (Surr)	70-125
TOL = Toluene-d8 (Surr)	75-120
BFB = 4-Bromofluorobenzene (Surr)	75-120
DBFM = Dibromofluoromethane	75-120

Quality Control Results

Client: V3 Companies of Illinois Ltd

Job Number: 500-9218-1
Sdg Number: 500-9218-1

Method Blank - Batch: 500-31411

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 500-31411/7
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/01/2008 1030
Date Prepared: 02/01/2008 1030

Analysis Batch: 500-31411
Prep Batch: N/A
Units: mg/L

Instrument ID: Agilent 6890N GC - 5973N
Lab File ID: 6M0201.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result	Qual	MDL	RL
1,1-Dichloroethene	<0.0010		0.0010	0.0010
1,2-Dichloroethane	<0.0010		0.0010	0.0010
Benzene	<0.0010		0.0010	0.0010
Carbon tetrachloride	<0.0010		0.0010	0.0010
Chloroform	<0.0010		0.0010	0.0010
Chlorobenzene	<0.0010		0.0010	0.0010
Methyl Ethyl Ketone	<0.0050		0.0050	0.0050
Tetrachloroethene	<0.0010		0.0010	0.0010
Vinyl chloride	<0.0010		0.0010	0.0010
Trichloroethene	<0.0010		0.0010	0.0010
Surrogate	% Rec		Acceptance Limits	
1,2-Dichloroethane-d4 (Surr)	109		70 - 125	
4-Bromofluorobenzene (Surr)	90		75 - 120	
Toluene-d8 (Surr)	93		75 - 120	
Dibromofluoromethane	98		75 - 120	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: V3 Companies of Illinois Ltd

Job Number: 500-9218-1
Sdg Number: 500-9218-1

TCLP SPLPE Leachate Blank - Batch: 500-31411

Method: 8260B
Preparation: 5030B
TCLP

Lab Sample ID: LB 500-31291/1-A
Client Matrix: Solid
Dilution: 20
Date Analyzed: 02/01/2008 1613
Date Prepared: 02/01/2008 1613
Date Leached: 01/31/2008 1410

Analysis Batch: 500-31411
Prep Batch: N/A
Units: mg/L

Instrument ID: Agilent 6890N GC - 5973N
Lab File ID: 6X0201.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Leachate Batch: 500-31291

Analyte	Result	Qual	MDL	RL
1,1-Dichloroethene	<0.020		0.020	0.020
1,2-Dichloroethane	<0.020		0.020	0.020
Benzene	<0.020		0.020	0.020
Carbon tetrachloride	<0.020		0.020	0.020
Chloroform	<0.020		0.020	0.020
Chlorobenzene	<0.020		0.020	0.020
Methyl Ethyl Ketone	<0.10		0.10	0.10
Tetrachloroethene	<0.020		0.020	0.020
Vinyl chloride	<0.020		0.020	0.020
Trichloroethene	<0.020		0.020	0.020
Surrogate	% Rec	Acceptance Limits		
1,2-Dichloroethane-d4 (Surr)	113	70 - 125		
4-Bromofluorobenzene (Surr)	88	75 - 120		
Toluene-d8 (Surr)	93	75 - 120		
Dibromofluoromethane	107	75 - 120		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: V3 Companies of Illinois Ltd

Job Number: 500-9218-1
Sdg Number: 500-9218-1

Lab Control Spike - Batch: 500-31411

Method: 8260B
Preparation: 5030B

Lab Sample ID: LCS 500-31411/8
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/01/2008 1053
Date Prepared: 02/01/2008 1053

Analysis Batch: 500-31411
Prep Batch: N/A
Units: mg/L

Instrument ID: Agilent 6890N GC - 5973N
Lab File ID: 6S0201.D
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1-Dichloroethene	0.0250	0.0173	69	50 - 121	
1,2-Dichloroethane	0.0250	0.0230	92	68 - 120	
Benzene	0.0250	0.0199	80	68 - 120	
Carbon tetrachloride	0.0250	0.0224	90	67 - 121	
Chloroform	0.0250	0.0219	88	65 - 127	
Chlorobenzene	0.0250	0.0211	85	75 - 120	
Methyl Ethyl Ketone	0.0250	0.0191	77	36 - 157	
Tetrachloroethene	0.0250	0.0217	87	65 - 120	
Vinyl chloride	0.0250	0.0272	109	57 - 135	
Trichloroethene	0.0250	0.0213	85	73 - 120	
Surrogate		% Rec		Acceptance Limits	
1,2-Dichloroethane-d4 (Surr)		106		70 - 125	
4-Bromofluorobenzene (Surr)		99		75 - 120	
Toluene-d8 (Surr)		96		75 - 120	
Dibromofluoromethane		100		75 - 120	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: V3 Companies of Illinois Ltd

Job Number: 500-9218-1
Sdg Number: 500-9218-1

Method Blank - Batch: 500-31479

Method: 8260B
Preparation: N/A

Lab Sample ID: MB 500-31479/3
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/04/2008 1142
Date Prepared: N/A

Analysis Batch: 500-31479
Prep Batch: N/A
Units: mg/Kg

Instrument ID: Agilent 6890N GC - 5973N
Lab File ID: 2M0204.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	<0.0050		0.00089	0.0050
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.0050		0.0010	0.0050
1,1,2-Trichloroethane	<0.0050		0.0018	0.0050
1,2-Dichlorobenzene	<0.0050		0.00078	0.0050
1,4-Dichlorobenzene	<0.0050		0.00079	0.0050
Carbon tetrachloride	<0.0050		0.00094	0.0050
Chlorobenzene	<0.0050		0.00068	0.0050
Dichlorodifluoromethane	<0.0050		0.0020	0.0050
Methylene Chloride	<0.0050		0.00078	0.0050
Tetrachloroethene	<0.0050		0.00080	0.0050
Trichloroethene	<0.0050		0.00096	0.0050
Trichlorofluoromethane	<0.0050		0.0011	0.0050
Surrogate	% Rec		Acceptance Limits	
1,2-Dichloroethane-d4 (Surr)	89		74 - 143	
4-Bromofluorobenzene (Surr)	92		75 - 120	
Toluene-d8 (Surr)	99		75 - 130	
Dibromofluoromethane	93		78 - 142	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: V3 Companies of Illinois Ltd

Job Number: 500-9218-1
Sdg Number: 500-9218-1

Lab Control Spike - Batch: 500-31479

Method: 8260B
Preparation: N/A

Lab Sample ID: LCS 500-31479/4
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 02/04/2008 1206
Date Prepared: N/A

Analysis Batch: 500-31479
Prep Batch: N/A
Units: mg/Kg

Instrument ID: Agilent 6890N GC - 5973N
Lab File ID: 2S0204.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1-Trichloroethane	0.0500	0.0396	79	71 - 120	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0500	0.0395	79	55 - 127	
1,1,2-Trichloroethane	0.0500	0.0414	83	78 - 120	
1,2-Dichlorobenzene	0.0500	0.0411	82	78 - 120	
1,4-Dichlorobenzene	0.0500	0.0395	79	74 - 120	
Carbon tetrachloride	0.0500	0.0413	83	66 - 120	
Chlorobenzene	0.0500	0.0427	85	77 - 125	
Dichlorodifluoromethane	0.0500	0.0620	124	35 - 176	
Methylene Chloride	0.0500	0.0362	72	67 - 120	
Tetrachloroethene	0.0500	0.0432	86	72 - 120	
Trichloroethene	0.0500	0.0444	89	72 - 125	
Trichlorofluoromethane	0.0500	0.0539	108	62 - 133	
Surrogate		% Rec		Acceptance Limits	
1,2-Dichloroethane-d4 (Surr)		89		74 - 143	
4-Bromofluorobenzene (Surr)		95		75 - 120	
Toluene-d8 (Surr)		100		75 - 130	
Dibromofluoromethane		95		78 - 142	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Login Sample Receipt Check List

Client: V3 Companies of Illinois Ltd

Job Number: 500-9218-1
SDG Number: 500-9218-1

Login Number: 9218

Creator: Lunt, Jeff T

List Number: 1

List Source: TestAmerica Chicago

Question	T / F / NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	3.0
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	