US EPA RECORDS CENTER REGION 5
431082

STATE OF ILLINOIS
ENVIRONMENTAL PROTECTION AGENCY
AMENDMENT NUMBER 11 TO
PROFESSIONAL SERVICES AGREEMENT

The Illinois Environmental Protection Agency and Hanson Engineers, Inc., whose address is 1525 South Sixth Street, Springfield, Illinois 62703, hereby agree to the amendment of Professional Services Agreement Number HWD-2002, dated July 1, 1991, Amendment 1 dated October 28, 1991, Amendment 2 dated January 2, 1992, Amendment 3 dated June 30, 1992, Amendment 4 dated February 26, 1993, Amendment 5 dated April 1, 1993, Amendment 6 dated April 1, 1993, Amendment 7 dated April 8, 1993, Amendment 8 dated May 11, 1993, Amendment 9 dated May 25, 1993, and Amendment 10 dated June 1, 1993 executed as follows:

1. FF. PROJECT ASSIGNMENT

2. Increase to an Existing Project -- Saw-Wee-Kee Park, Oswego, Kendall County, Illinois, -- Phase I Preliminary Site Characterization -- (LPC #0938070003).

Parcel #1
Saw-Wee-Kee Park
Amendments

a. The Contractor shall furnish the necessary personnel, materials, services, facilities and otherwise do all things necessary for or incident to the performance of work set forth and described in:

i. The Agency's letter and attached Statement of Work dated March 18, 1993;

ii. The Contractor's Preliminary Site Characterization Scope of Services dated May 13, 1993; and

iii. This Contract.

b. The documents cited in paragraph FF(5)(a)(i) through FF(5)(a)(iii) are hereby incorporated by reference into this contract and made a part hereof. If there is a conflict between the terms and provisions of this contract and documents cited in paragraphs FF(5)(a)(i) through FF(5)(a)(iii), the terms and conditions of this contract shall control.

c. The total amount of this amendment for all work performed as set forth in paragraph FF(5)(a)(i) through FF(5)(a)(iii) shall not exceed $158,943.00 which is an increase of $148,943.00.

i. The total amount to be obligated for work performed shall not exceed $102,262 during SFY93.

ii. The total amount to be obligated for work performed shall not exceed $56,681 during SFY94.

d. The Contractor shall be paid on a cost plus fixed fee basis for the satisfactory performance of this contract in an amount not to exceed $148,503.00 in cost plus a fixed fee of $13,348.00. In addition, $7,092.00 shall be paid directly in the Response Contractor's Indemnification Fund by the Agency pursuant to the terms of paragraph W of this agreement.

2. All other agreements shall remain in force.

Approval of this amendment brings the total obligated amount for all amendments under this contract in SFY93 to $186,383.97.

IN WITNESS WHEREOF, the parties hereto have executed this amendment this 1st day of June, 19 93, and agreed that it shall become a part of the Professional Services Agreement Number HWD-2002, as evidenced by the signatures of their duly authorized representatives as affixed below.

Hanson Engineers Inc.

By _____

INTRA-AGENCY CONCURRENCE:

_____
Division Manager

Illinois Environmental Protection Agency

By _____
M. A. Gade, Director

_____
Fiscal Officer

SF:dks/sp/1048v, 1-2

93 757

HANSON ENGINEERS
INCORPORATED
® AN EMPLOYEE-OWNED COMPANY

0938070003.
Saw Wee Kee
SF/Fiscal

May 13, 1993

Mr. Marc Cummings, Project Manager
Illinois Environmental Protection Agency
Bureau of Land
Division of Remediation Management
Remedial Project Management Section
State Site Unit
2200 Churchill Road
Springfield, Illinois 62794-9276

Re: Preliminary Site Characterization
Scope of Services
Cost Estimate for Tasks 1 and 2
L0938070003 - Kendall County
Oswego/Saw-Wee-Kee Park
Superfund/Fiscal
HEI 93S5038

Dear Mr. Cummings:

Hanson Engineers Incorporated (HEI) will prepare a Preliminary Site Characterization (PSC) for the Illinois Environmental Protection Agency (IEPA). The necessity for further studies will be determined based on the results of the PSC. HEI is pleased to submit the following Scope of Services, Schedule, and Cost Estimate for completion of a PSC at the Oswego/Saw-Wee-Kee Park site.

APPROACH

Information from the PSC will be used to generally characterize potential areas of concern on the site and to identify further studies (if necessary) to be completed at the site. Two tasks, as discussed herein, are proposed to accomplish the PSC.

1525 South Sixth Street ☐ Springfield, Illinois 62703-2886 ☐ 217/788-2450
Fax: 217/788-2503

PRINTED ON RECYCLED PAPER

RECEIVED
MAY 13 1993
93S5038
IEPA/DLPC

Task 1 - Evaluation of Current Situation

Prior to the performance of any tasks required in the development of the Preliminary Site Characterization Work Plan, the current situation will be evaluated. HEI will collect, review, evaluate, and present in report format existing information concerning the site that may be relevant to the preliminary site characterization process.

Subtask 1a - Site Visit

HEI will schedule and conduct a site visit in cooperation with IEPA. The site visit will concentrate on the known areas of concern, and will be coordinated through IEPA.

Subtask 1b - Aerial Photography and Mapping

Aerial photography will be obtained to help identify locations of current site features. The aerial photography will be used to map the site (Subtask 1e). HEI intends to subcontract Aero-Metric Engineering, Incorporated of Sheboygan, Wisconsin for aerial mapping services. HEI will provide on-site ground control, while Aero-Metric Engineering may provide off-site ground control. This subtask must be completed while vegetation and tree canopy is in a defoliated condition at the site.

Subtask 1c - Site Background and Existing Data Review

HEI will conduct a review and evaluation of available reports, files, data, records, transcripts, photographs, depositions, maps, publications, diagrams, and schematics from likely information sources. HEI will summarize available site information regarding the following:

- Site volume, area, and configuration
- Past and present waste disposal methods
- Climate

- Soil texture, permeability, and moisture
- Vegetation
- Existing land use
- Approximate depth of bedrock, aquicludes, and ground water
- Potential degree of contamination
- Likely direction and rate of regional ground water flow
- Potential receptors
- Distances to, and locations of, drinking water wells, surface water, and sensitive ecological areas.

Information available for wastes will be summarized regarding:

- Quantity
- Chemical composition
- Carcinogenicity
- Toxicity
- Persistence
- Biodegradability
- Radioactivity
- Ignitibility
- Reactivity
- Corrosiveness
- Infectiousness
- Solubility
- Volatility
- Density
- Partition coefficients
- Safe levels in the environment (regulatory values)
- Compatibility with other chemicals
- Treatability.

From the review of existing data, HEI will evaluate the potential effects that hazardous substances or conditions present at the site may pose to public health and welfare, and the environment. Effects will be evaluated in terms of contaminant source, migration pathways, and receptors. Based upon the evaluation of potential effects of site contamination, HEI will present to IEPA recommendations for the necessity of an immediate removal, planned removal, or other immediate response action at the site.

Subtask 1d - History of Compliance and Response Actions

HEI will prepare a chronological summary of past and current permits and manifests requested and/or received, enforcement actions and their subsequent responses, previous response actions conducted by either local, state, federal, or private parties, and a list of documents and references for the site. This summary will address enforcement activities undertaken to identify responsible parties, to compel private cleanup, or to recover costs.

Subtask 1e - Site Map

HEI shall prepare and submit to IEPA for review and approval a current site map (or maps) depicting the following:

- General geographic location;
- Property lines, with the owners of adjacent property within 1,000 ft of the property line indicated;
- Topography and surface drainage (with a contour interval of two (2) ft and a scale of one (1) inch = 50 ft);

- Cultural features as may be reasonably identified with photogrammetry techniques, including such features as aboveground tanks, buildings, aboveground utilities, paved areas, easements, rights-of-way, and other features;

- Known solid or hazardous waste treatment, storage, or disposal areas;

- Known past and present product and waste underground tanks or piping;

- Surrounding land uses (residential, commercial, agricultural, recreational); and

- The location of production and ground water monitoring wells. These well locations will be labeled with ground and top of casing elevations, and construction details will be included, if known. Such details may be included as attachments to the mapping.

The topographic survey of the site limits will be performed referencing the Illinois State Plane Coordinate System. Vertical elevations will be referenced to the National Geodetic Vertical Datum of 1929 (mean sea level). Accuracy will be within 0.5 ft horizontal and 0.1 ft vertical for all field located points. All maps will otherwise be consistent with the requirements set forth in 35 Ill. Adm. Code 703.183(s) and be of sufficient detail and accuracy to locate and record all current and future work performed at the site. Criteria may be modified upon IEPA approval to improve clarity and practical effectiveness of the map(s).

Subtask 1f - Current Situation Summary Report

Upon completion of Tasks 1a through 1e, HEI will submit to IEPA for review and approval a Current Situation Summary report. The summary report will present an evaluation

of the data collection activities identified above. A list of reference documents used in compiling the summary report will be incorporated as an appendix and referenced by item number where cited in the text. The appendices to the summary report will also identify sources of information which HEI was unable to access during background data collection activities.

The summary report will include an assessment of the usefulness of the data gathered and evaluated, and will specifically identify data limitations in the assessment of potential effects of site contamination. The data limitations will be compiled under each of the following data evaluation subheadings:

- Hazardous Waste Sources (to include location, quantities, concentrations, and characteristics)

- Migration Pathways (to include information on geology, hydrogeology, physiography, hydrology, water quality, meteorology, and air quality)

- Receptors (to include demography, land use, and geology)

The summary report will present HEI's evaluation of potential environmental problems at this site, and the proposed approach to supplementing the data base (if necessary) to evaluate remedial alternatives.

Task 2 - Preliminary Site Characterization Work Plan

Subsequent to approval by IEPA of the Subtask 1f Current Situation Summary report, HEI will prepare and submit to IEPA for review and approval a Preliminary Site Characterization Work Plan for conducting site investigations. Information presented in the Current Situation Summary report will be incorporated, as needed, into preparation of the Preliminary Site Characterization Work Plan.

Task 2a - Administrative Outline

HEI will prepare a general outline defining the Preliminary Site Characterization Work Plan objectives, technical approach to meeting those objectives, project organization and designation of key personnel, personnel requirements, and project schedule. The project schedule will include time allocations for review by IEPA and revision by HEI of project deliverables subject to review and revision. A bar chart or other acceptable format will be provided showing task scheduling.

Task 2b - Site Sampling Plan

HEI will prepare a Site Sampling Plan (SSP) to delineate field investigations and media sampling to be conducted. The sampling plan will be designed to provide for those data deficiencies previously identified in the Current Situation Summary report, and to meet the Preliminary Site Characterization Work Plan objectives stated in the administrative outline. Sample matrices may include source material, ground water, surface water, soil and sediment, air, and biota. The SSP will, at a minimum, contain the following:

- Organization of the field sampling team(s) and identification of team member responsibilities.
- A description and examples of the proposed sample identification and numbering system.
- Field documentation procedures including photographing sampled media and field logging.
- Sample shipment and chain-of-custody procedures.

- Decontamination procedures.

- By matrix, a description of sampling, including objectives, sample locations, sample frequency by location, analyses of interest per sample, rationale for sample selection, schedule for sample collection and analyses, and an equipment list identifying major items and appropriate specifications. Copies of standard forms to be employed in recording and shipping samples and in logging field data will be included. A table will be provided identifying the numbers of samples, replicates, and blanks.

- By matrix, detailed descriptions of pertinent methods, procedures, protocols, and contingencies anticipated to be employed in the collection of samples and field data.

Where investigations are anticipated to be conducted in phases, or the scope of the sampling plan is to be reevaluated due to a change in scope of field conditions, HEI will submit a technical memorandum to IEPA for review and approval. Where a subsequent phase of sampling, or a change in the scope of sampling, is required to meet objectives, and is not described in the SSP, HEI will submit to IEPA for review and approval a Revised Site Sampling Plan.

Task 2c - Quality Assurance Project Plan

HEI will prepare and submit for IEPA approval a Quality Assurance Project Plan (QAPP) setting forth project data quality objectives and the procedures by which those objectives will be met. The QAPP will be prepared in accordance with "Interim Guidelines and Specifications for Preparing Quality Assurance Plans" (QAMS - 005/80, USEPA, February 1983, EPA 600/4-83-004), requirements of the USEPA's Contract Laboratory Program, and "Preparation of State-Lead

Remedial Investigation Quality Assurance Plans for Region V." The QAPP must be approved by the IEPA prior to sampling and analysis. The QAPP will include and address the following:

1. Title page with provision of approval signatures;

2. Table of contents;

3. Project description;

4. Project organization and responsibility;

5. Sampling procedures;

6. Sample custody;

An IEPA Contract Laboratory (or Laboratories) will be selected to provide analytical services.

Task 2d - Site Health and Safety Plan

HEI will prepare and submit for IEPA review a Site Health and Safety Plan (HSP) to establish requirements and procedures for protecting the health and safety of all HEI personnel involved in or affected by activities conducted at the site. At a minimum, the health and safety plan will include the following:

- Description of known hazards and risks
- Identification of key personnel and alternates
- Designation of levels of protection to be worn
- Delineation of work areas
- Identification of control procedures
- Establishment of decontamination procedures

- Requirements for air monitoring and sampling
- Requirements for routine and special training
- Procedures for weather - related problems

The plan will also address site emergencies or occurrences that may require immediate actions to prevent harm to personnel, the public, property, or the environment.

The Site Health and Safety Plan shall be consistent with the following:

- NIOSH Occupational Safety and Health Guidance Manual for Hazardous Waste Site Activities
- EPA Order 1440.1 - Respiratory Protection
- EPA Order 1440.3 - Health and Safety Requirements for Employees Engaged in Field Activities
- EPA Standard Operating Safety Guide (1984)
- OSHA regulations
- State and local regulations
- Other IEPA guidance as provided.

PROJECT MANAGEMENT

There are two components of project management. The first, technical management, concerns the technical quality of the services necessary to meet the project specific objectives for

PSC activities. The second, business management, helps ensure that the work is completed on time and within budget.

Technical Management

Technical management is provided by a number of mechanisms. HEI Program Manager Jeffrey Larson, L.A. and Project Manager Greg Morris will conduct regular review meetings with the HEI project staff to discuss the technical progress of the work, and to help confirm that the work is proceeding in the proper direction. Mr. Larson and Mr. Morris will review progress reports and task reports, and will regularly inform the Officer-In-Charge (OIC), George Jamison, P.E., of project status. Mr. Larson and Mr. Don Oglesby are accountable for technical aspects of Quality Assurance (QA). The Officer-In-Charge is accountable to both the client and senior HEI management.

Progress Reporting

The close involvement of IEPA personnel in key aspects of the work will help to provide a continuing liaison between the HEI project staff and IEPA management. Program management information will be provided to IEPA in the following ways:

- Reporting period (4 weeks) progress reports will be submitted to IEPA within 2 weeks of the end of each reporting period.
- Report outlines and draft reports will be reviewed by IEPA.
- Meetings will be scheduled with IEPA to review drawings and reports and at other major milestones, events, or deliverables.
- Informal telephone briefings (generally weekly) will be provided to IEPA on project progress and findings.

- As warranted, formal presentations will be provided. Such presentations are of particular importance when project schedules are highly constricted, thus requiring timely decision making.

Quality Assurance

Our QA program helps assure that the project meets client requirements, Federal and State regulations, and company policy. HEI's corporate QA officer, Don Oglesby, P.E., S.E., will be responsible for overseeing the quality assurance aspects of this project.

Business Management - Control of Costs and Schedules

HEI's project management and accounting system is a comprehensive computer program that stores personnel time records, permits scheduling and budgeting of projects by tasks, organizes project information, evaluates job cost control status, prints a variety of management reports, and produces invoices. Managers can access weekly reports that summarize the hours worked and labor charges, itemized by each employee to the specific phase and total project. Also included are budget information, hour and dollar projections, and expense totals.

COMMUNITY RELATIONS

Community relations services have not been included in this Scope of Services. However, if IEPA deems it necessary to include HEI personnel in community relations activities during Tasks 1 and 2, HEI would be available to provide these services.

LABOR HOURS/COST ESTIMATE (TASKS 1 & 2)

The attached spreadsheets present estimated costs for Tasks 1 and 2 of the PSC, as described above. The spreadsheets present our best estimate of work that will be completed in fiscal year 1993 and work that will be completed in fiscal year 1994. The spreadsheets reflect

the appropriate rates for each fiscal year. The estimate is based on receiving a notice to proceed by May 20, 1993. We assume that fiscal year 1993 will include the completion of Subtasks 1a, 1b, 1c, 1d, and 2d, and portions of Subtasks 1e and 1f. Actual work completed during each of the fiscal years may vary.

SCHEDULE

Figure 1 presents a proposed schedule for the scope of services discussed herein.

Please call Jeff Larson or me if you have any questions.

Sincerely,

HANSON ENGINEERS INCORPORATED

George F. Jamison, P.E.
Vice President

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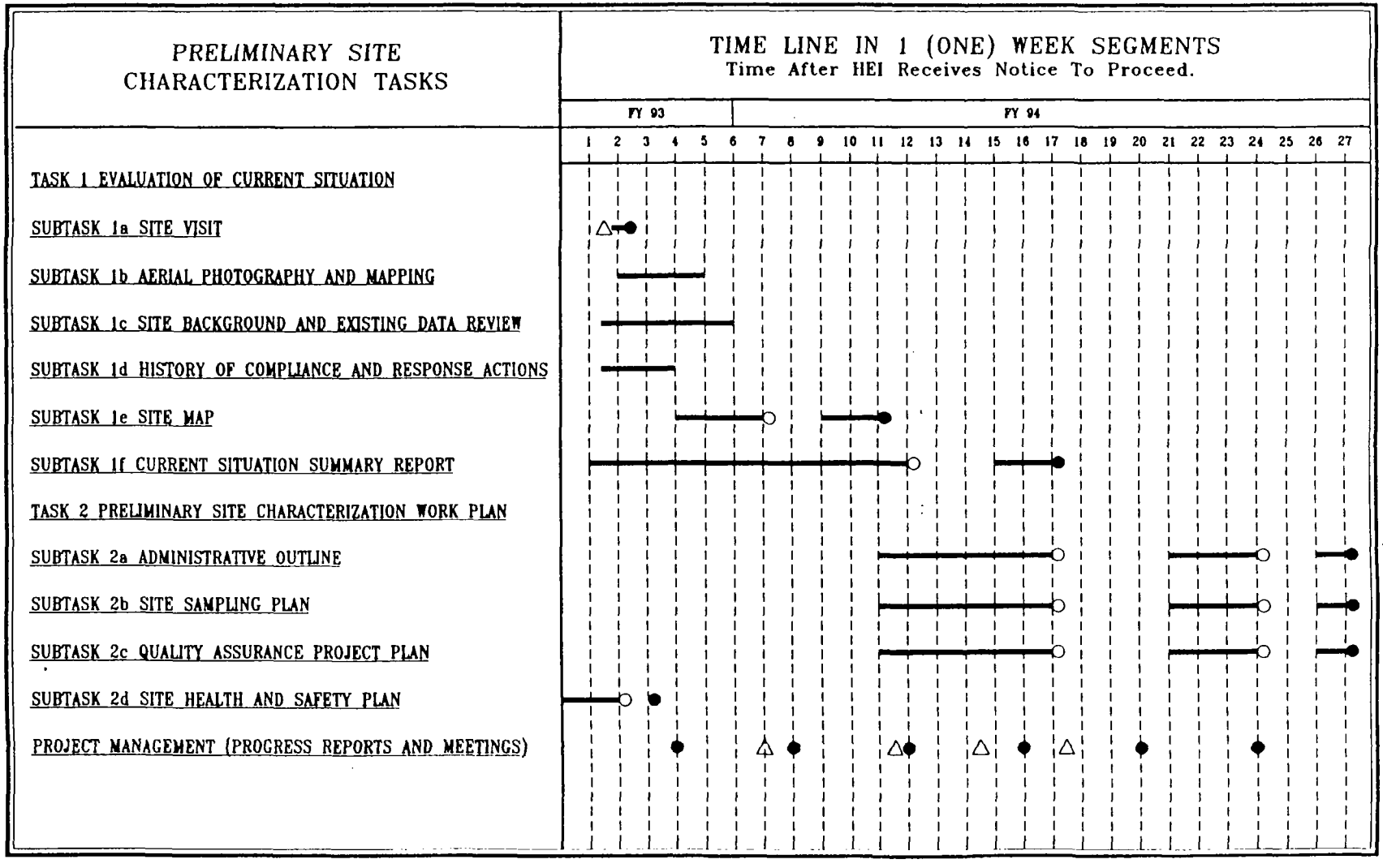
HANSON ENGINEERS INCORPORATED



LEGEND
- ● Deliverable Final
- ▬ Project Task Time Line
- △ Meeting
- ○ Deliverable Draft

PRELIMINARY SITE CHARACTERIZATION SCHEDULE
OSWEGO/SAW-WEE-KEE PARK
OSWEGO, ILLINOIS

Figure 1

HANSON ENGINEERS, INC.

COST ESTIMATE

Fiscal Year 1993

	LABOR GRADE CLASSIFICATION								TOTAL HOURS	RAW or DIRECT LABOR ($)	INDIRECT EXPENSE ($)	TOTAL LABOR ($)	TOTAL EQUIP & SUPPLIES ($)	TOTAL OTHER DIR EXP ($)	SUB CONTRACT ($)	PROFIT % * DIR LAB ($)	PROFIT % * IND EXP ($)	PROFIT % * OTHER EXP ($)	PROFIT % * SUBCONT ($)	FIXED FEE ($)	GRAND TOTALS ($)
	P4	P3	P2	P1	T2	T1	CS														
	21.07	23.62	18.20	16.54	14.00	10.70	11.02														
OSWEGO LANDFILL											1.7101				1	0.14	0.1	0.06	0.06		
SAW - WFP - RIP PARK																					
TASK 1 - EVALUATION OF CURRENT SITUATION																					
1a - SITE VISIT	1	0	28	16	0	16	0	3	62	1,215	2,122	3,337	126	512	0	173	213	31	0	416	4,411
1b - AERIAL PHOTOGRAPHY AND MAPPING	1	0	16	2	0	96	100	0	215	3,313	5,695	9,009	1,074	3,271	31,000	464	569	196	1,900	3,138	48,294
SITE BACKGROUND AND EXISTING DATA REVIEW	2	0	40	100	30	16	16	0	212	3,991	10,294	14,285	0	571	0	839	1,029	34	0	1,902	18,759
1d - HISTORY OF COMPLIANCE AND RESPONSE ACTIONS	2	0	4	0	0	0	0	0	6	130	566	696	0	183	0	46	57	11	0	114	1,095
1e - SITE MAP	0	0	12	4	0	12	0	0	16	411	1,050	1,461	0	325	0	86	105	32	0	222	2,408
1f - CURRENT SITUATION SUMMARY REPORT	1	1	20	34	0	0	0	10	92	1,697	2,915	4,612	0	417	0	208	292	23	0	554	5,583
TASK 2 - PRELIMINARY SITE CHARACTERIZATION WORK PLAN																					
2a - ADMINISTRATIVE OUTLINE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2b - SITE SAMPLING PLAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2c - QUALITY ASSURANCE PROJECT PLAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2d - SITE HEALTH AND SAFETY PLAN	16	4	4	24	0	40	0	12	100	2,045	3,514	5,559	0	291	0	286	351	17	0	635	6,505
PROJECT MANAGEMENT	1	0	4	4	0	0	0	0	9	212	364	576	0	68	0	30	36	4	0	70	734
SUBTOTAL	22	13	136	272		174	200	33	800	13,436	36,530	41,955	1,202	5,940	31,000	2,161	2,652	350	1,906	7,071	77,068
CONSTRUCTION CONTRACTOR INDEMNIFICATION FUND (5%)																					4,193
TOTAL																					$92,262

HANSON ENGINEERS, INC
COST ESTIMATE

Fiscal Year 1993

	EQUIPMENT / SUPPLIES / PPE / ETC.						
	STAKES $/BUND. # BUND.	CAMERA $/DAY #DAYS	CAR $/DAY # DAYS	VAN $/DAY # DAYS	PPE $/DAY # DAYS	MISC. $	TOTAL EQ & SUP. $
OSWEGO LANDFILL /	7	6	45	65	14	1	
W-WEE-KEE PARK							
TASK 1 - EVALUATION OF CURRENT SITUATION							
1a - SITE VISIT	0	2	2	0	0	24	126
1b - AERIAL PHOTOGRAPHY AND MAPPING	2	0	0	10	8	300	1,076
1c - SITE BACKGROUND AND EXISTING DATA REVIEW	0	0	0	0	0	0	0
1d - HISTORY OF COMPLIANCE AND RESPONSE ACTIONS	0	0	0	0	0	0	0
1e - SITE MAP	0	0	0	0	0	0	0
1f - CURRENT SITUATION SUMMARY REPORT	0	0	0	0	0	0	0
TASK 2 - PRELIMINARY SITE CHARACTERIZATION WORK PLAN							
2a - ADMINISTRATIVE OUTLINE	0	0	0	0	0	0	0
2b - SITE SAMPLING PLAN	0	0	0	0	0	0	0
2c - QUALITY ASSURANCE PROJECT PLAN	0	0	0	0	0	0	0
2d - SITE HEALTH AND SAFETY PLAN	0	0	0	0	0	0	0
PROJECT MANAGEMENT	0	0	0	0	0	0	0
SUBTOTAL	2	2	2	10	8	324	1,202

HANSON ENGINEERS, INC
COST ESTIMATE

Fiscal Year 1993

	OTHER DIRECT EXPENSES														
	HOTEL $/NIGHT # NIGHTS	PER DIEM $/DAY # DAYS	CAR RENTAL $/DAY # DAYS	VAN $/DAY # DAYS	SURVEY $/DAY # DAYS	CADD $/HR # HRS	COMP $/HR # HRS	WORD $/HR # HRS	REPROD. $/SHT #	FAX $/PG #	MAIL $/DAY # DAYS	PHONE $/DAY # DAYS	COPIES $/COPY # COPIES	FILM&DVLP $/ROLL # ROLLS	TOTAL O.D.E. $
OSWEGO LANDFILL															
SAW - WLF - KEL PARK															
K.1 - EVALUATION OF CURRENT SITUATION															
- SITE VISIT	4	8	2	0	0	0	0	0	0	0	0	0	0	2	513
1b - AERIAL PHOTOGRAPHY AND MAPPING	24	30	0	0	10	8	8	0	0	0	2	12	20	0	3,271
1c - SITE BACKGROUND AND EXISTING DATA REVIEW	0	0	0	0	0	2	4	8	0	10	4	20	600	0	571
1d - HISTORY OF COMPLIANCE AND RESPONSE ACTIONS	0	0	0	0	0	2	2	0	0	10	3	3	0	0	163
1e - SITE MAP	0	0	0	0	0	20	0	0	5	0	0	0	0	0	525
1f - CURRENT SITUATION SUMMARY REPORT	0	0	0	0	0	12	0	20	5	5	1	1	0	0	417
TASK 2 - PRELIMINARY SITE CHARACTERIZATION WORK PLAN															
2a - ADMINISTRATIVE OUTLINE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2b - SITE SAMPLING PLAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2c - QUALITY ASSURANCE PROJECT PLAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2d - SITE HEALTH AND SAFETY PLAN	0	0	0	0	0	2	2	12	0	10	3	3	1500	0	291
PROJECT MANAGEMENT	0	0	0	0	0	1	0	2	0	2	1	1	10	0	66
SUBTOTAL	28	38	2	0	10	47	16	42	10	37	16	40	2,130	2	5,840

HANSON ENGINEERS, INC
COST SUMMARY

Fiscal Year 1994

	LABOR GRADES CLASSIFICATION								TOTAL HOURS	RAW or DIRECT LABOR	INDIRECT EXPENSE	TOTAL LABOR	TOTAL EQUIP & SUPPLIES	TOTAL OTHER DIR EXP	SUB CONTRACT	PROFIT % * DIR LAB	PROFIT % * IND EXP	PROFIT % * O DIR EXP	PROFIT % * SUBCONT	PROFIT FEE	PROJECT TOTALS
	P5	P4	P3	P2	P1	T2	T1	C3													
	44.10	34.72	24.00	19.05	15.27	14.71	11.03	11.77		($)	($)	($)	($)	($)	($)	($)	($)	($)	($)	($)	($)
OSWEGO LANDFILL											$ 7401					1	0.14	0.1	0.06	0.06	
SAW WEP KEEPER																					
TASK 1 EVALUATION OF CURRENT SITUATION																					
1a SITE VISIT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1b AERIAL PHOTOGRAPHY AND MAPPING	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SITE BACKGROUND AND EXISTING DATA REVIEW	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
c HISTORY OF COMPLIANCE AND RESPONSE ACTIONS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1e SITE MAP	1	0	12	4	0	12	0	0	37	686	1,199	1,885	0	325	0	94	128	32	0	247	2,677
1f CURRENT SITUATION SUMMARY REPORT	9	1	40	70	12	16	16	30	194	3,825	6,686	10,511	0	512	0	535	669	31	0	1,237	12,970
TASK 2 PRELIMINARY SITE CHARACTERIZATION WORK PLAN																					
2a ADMINISTRATIVE OUTLINE	14	16	40	52	0	24	24	40	210	4,400	7,691	12,091	0	909	0	616	760	55	0	1,440	14,440
2b SITE SAMPLING PLAN	12	8	32	52	0	24	4	30	162	3,377	5,903	9,280	0	863	0	473	590	52	0	1,115	11,258
2c QUALITY ASSURANCE PROJECT PLAN	9	0	0	20	0	0	0	0	29	594	1,168	2,162	0	719	0	111	139	43	0	293	3,194
2d SITE HEALTH AND SAFETY PLAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PROJECT MANAGEMENT	19	0	30	40	0	0	0	0	109	2,230	5,095	8,953	0	146	0	436	570	9	0	1,014	10,133
SUBTOTAL	64	27	154	248		76	52	100	751	14,339	28,343	44,902	0	3,714	0	2,287	2,856	223	0	5,347	53,942
RESPONSE ACTION CONTRACTOR INDEMNIFICATION FUND (3%)																					2,699
TOTAL																					$56,681

HANSON ENGINEERS, INC
COST ESTIMATE

Fiscal Year 1994

	EQUIPMENT / SUPPLIES / PPE / ETC						
	STAKES $/BUND. # BUND	CAMERA $/DAY #DAYS	CAR $/DAY # DAYS	VAN $/DAY # DAYS	PPE $/DAY # DAYS	MISC. $	TOTAL EQ & SUP $
OSWEGO LANDFILL /	7	6	45	65	14	1	
V. WEE - KEE PARK							
TASK 1 - EVALUATION OF CURRENT SITUATION							
1a SITE VISIT	0	0	0	0	0	0	0
1b AERIAL PHOTOGRAPHY AND MAPPING	0	0	0	0	0	0	0
1c - SITE BACKGROUND AND EXISTING DATA REVIEW	0	0	0	0	0	0	0
1d - HISTORY OF COMPLIANCE AND RESPONSE ACTIONS	0	0	0	0	0	0	0
1e - SITE MAP	0	0	0	0	0	0	0
1f CURRENT SITUATION SUMMARY REPORT	0	0	0	0	0	0	0
TASK 2 - PRELIMINARY SITE CHARACTERIZATION WORK PLAN							
2a ADMINISTRATIVE OUTLINE	0	0	0	0	0	0	0
2b - SITE SAMPLING PLAN	0	0	0	0	0	0	0
2c - QUALITY ASSURANCE PROJECT PLAN	0	0	0	0	0	0	0
2d - SITE HEALTH AND SAFETY PLAN	0	0	0	0	0	0	0
PROJECT MANAGEMENT	0	0	0	0	0	0	0
SUBTOTAL	0	0	0	0	0	0	0

HANSON ENGINEERS, INC
COST ESTIMATE

Fiscal Year 1994

	OTHER DIRECT EXPENSES														
	HOTEL $/NIGHT # NIGHTS	PER DIEM $/DAY # DAYS	CAR RENTAL $/DAY # DAYS	VAN $/DAY # DAYS	SURVEY $/DAY # DAYS	CADD $/HR # HRS	COMP $/HR # HRS	WORD $/HR # HRS	REPROD $/SHT #	FAX $/PG #	MAIL $/DAY # DAYS	PHONE $/DAY # DAYS	COPIES $/COPY # COPIES	FILM&DVLP $/ROLL # ROLLS	TOTAL O.D.E. $
OSWEGO LANDFILL	50	24	50	65	83	25	10	26	5	1	20	15	0.05	10	
SAW-WEF KIT PARK															
TASK 1 - EVALUATION OF CURRENT SITUATION															
1a - SITE VISIT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1b - AERIAL PHOTOGRAPHY AND MAPPING	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1c - SITE BACKGROUND AND EXISTING DATA REVIEW	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1d - HISTORY OF COMPLIANCE AND RESPONSE ACTIONS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1e - SITE MAP	0	0	0	0	0	20	0	0	5	0	0	0	0	0	525
1f - CURRENT SITUATION SUMMARY REPORT	0	0	0	0	0	12	0	20	5	1	2	2	2000	0	932
TASK 2 - PRELIMINARY SITE CHARACTERIZATION WORK PLAN															
2a - ADMINISTRATIVE OUTLINE	0	0	0	0	0	24	4	40	0	10	3	3	1000	0	909
2b - SITE SAMPLING PLAN	0	0	0	0	0	24	2	30	0	10	3	3	1000	0	843
2c - QUALITY ASSURANCE PROJECT PLAN	0	0	0	0	0	8	30	40	0	10	3	3	2000	0	719
2d - SITE HEALTH AND SAFETY PLAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PROJECT MANAGEMENT	0	0	0	0	0	2	0	5	0	8	2	2	90	0	146
SUBTOTAL	0	0	0	0	0	90	36	135	10	43	13	13	6,090	0	3,714

STATE OF ILLINOIS
ENVIRONMENTAL PROTECTION AGENCY
AMENDMENT NUMBER 6 TO
PROFESSIONAL SERVICES AGREEMENT

The Illinois Environmental Protection Agency and Hanson Engineers, Inc., whose address is 1525 South Sixth Street, Springfield, Illinois 62703, hereby agree to the amendment of Professional Services Agreement Number HWD-2002, dated July 1, 1991, Amendment 1 dated October 28, 1991, Amendment 2 dated January 2, 1992, Amendment 3 dated June 30, 1992, Amendment 4 dated February 26, 1993, and Amendment 5 dated April 1, 1993 executed as follows:

1. FF. PROJECT ASSIGNMENT

   2. New Project - Saw-Wee-Kee Park, Oswego, Kendall County, Illinois, Proposal Work Plan (PWP) for a Phase I Preliminary Site Characterization (LPC #0938070003).

      a. The Contractor shall furnish the necessary personnel, materials, services, facilities and otherwise do all things necessary for or incident to the performance of preparing the Proposed Work Plan (PWP) as set forth and described in the following:

         i. The Agency's letter and attached Statement of Work dated March 18, 1993; and

         ii. This Contract.

      b. The document cited in Paragraph FF(2)(a)(i) is hereby incorporated by reference in to this contract and made a part hereof. If there is a conflict between the terms and provisions of this contract and the document cited in Paragraph FF(2)(a)(i), the terms and conditions of this contract shall control.

      c. The total amount of this amendment for all work performed for this New Project pursuant to Paragraph FF(2)(a) herein shall not exceed $10,000.00.

      d. The Contractor shall be paid on a cost plus fixed fee basis for the satisfactory performance of this contract in an amount not to exceed $9,090.00 in cost plus a fixed fee of $910.00.

2. All other agreements shall remain in force.

Approval of this amendment brings the total obligated amount for all amendments under this contract in SFY93 to $48,817.97.

IN WITNESS WHEREOF, the parties hereto have executed this amendment this 7th day of April, 19 93, and agreed that it shall become a part of the Professional Services Agreement Number HWD-2002, as evidenced by the signatures of their duly authorized representatives as affixed below.

Hanson Engineers Inc.

By _____

Illinois Environmental Protection Agency

By _____
M. A. Gade, Director

INTRA-AGENCY CONCURRENCE:

_____
Division Manager

_____
Fiscal Officer

SF:dls/603v/1-2/sp

(217) 782-6760

March 18, 1993

Mr. Jeffrey Larson
Hanson Engineers
1525 S. Sixth Street
Springfield, IL 62703-2886

Re: 0938070003 - Kendall County
Oswego/Saw-Wee-Kee Park
Superfund/Fiscal

Dear Mr. Larson:

This letter is will serve to confirm the Agency's request that Hanson Engineers prepare a work plan for a Phase I Preliminary Site Characterization for the above referenced site. The selection of your firm was made in association with the Multi-Site contractual agreement signed between this Agency and Hanson Engineers, Inc. The cost associated with preparation of your proposal shall not exceed $10,000.

Please prepare a summary of site conditions, provide recommendations, cost estimate and schedule for tasks described in the attached Scope of Work. The necessity for further investigation is dependent upon the results of a Phase I Preliminary Site Characterization.

Please provide three (3) copies of any documents regarding the requested site investigation at the above referenced site. If you have any questions or comments please contact me at (217) 782-6760.

Sincerely,

Marc Cummings, Project Manager
State Site Unit
Remedial Project Manager Section
Division of Remediation Management
Bureau of Land

MC

Attachment

SCOPE OF WORK

For performance of a Preliminary Site Characterization at the Saw-Wee-Kee Park Site, Oswego, Illinois IEPA LPC# 0938070003 in accordance with the Illinois Hazardous Substances Pollution Contingency Plan, 35 Ill Adm. Code 750, as amended.

A. EXECUTIVE SUMMARY

Hanson Engineers shall furnish, upon approval of the Illinois Environmental Protection Agency (hereinafter, "Agency"), the necessary personnel, services, facilities, materials, and otherwise do all things for or incidental to the performance of the following project at the above referenced Response Action Site (hereinafter "Site"):

Part I. Preliminary Site Characterization (PSC)

B. STATEMENT OF PURPOSE

The purpose of the PSC is to determine the presence, nature and extent of contamination at the Site including investigations of the soils, surface waters, sediments and groundwater.

C. ORGANIZATIONAL OUTLINE

Hanson Engineers shall organize, schedule and perform the PSC at the Site in accordance with the following outline:

TASK 1. Evaluation of Current Situation

a. Site Visit
b. Aerial Photography
c. Site Background and Existing Data Review
d. History of Compliance and Response Actions
e. Site Map and Investigation Support
f. Summary Evaluation

TASK 2. Preliminary Site Characterization Work Plan

a. Administrative Outline
b. Site Specific Sampling Plan
c. Quality Assurance Project Plan
d. Site Specific Health and Safety Plan

D. REQUIREMENTS AND GUIDANCE

Requirements and guidance for performance of the preceding Tasks and Subtasks are promulgated as follows:

TASK 1. Evaluation of Current Situation

Prior to the performance of any tasks required in the development of the Preliminary Site Characterization Work Plan, Hanson Engineers shall collect, review, evaluate, analyze and present in report format existing information concerning the Site relevant to the Site Characterization process.

a. Site Background and Existing Data Review

1. As prior to the development of a report of existing information, Hanson Engineers shall schedule and conduct a Site visit in cooperation with the Agency.

2. Hanson Engineers shall conduct a comprehensive review and evaluation of all available reports, files, data, records, transcripts, depositions, maps, publications, diagrams and schematics from likely information sources in the course of the development of a Preliminary Work Plan. Hanson Engineers should characterize the Site in regard to :

- Site Volume and Area
- Site Configuration
- Past and Present Disposal Methods
- Climate
- Soil Texture and Permiability
- Soil Moisture
- Slope and Drainage
- Vegetation
- Existing Land Use
- Depth of Bedrock
- Depth of Aquicludes
- Degree of Contamination
- Direction and Rate of Groundwater Flow
- Receptors
- Distances to Drinking Water Wells, Surface Water and Ecological Areas
- Depth to Groundwater

Hanson Engineers should characterize wastes on the Site in regard to:

- Quantity
- Chemical Composition
- Carcinogencity
- Toxicity
- Persistence
- Biodegradability
- Radioactivity
- Ignitibility
- Reactivity
- Corrosiveness
- Infectiousness
- Solubility
- Volatility
- Density
- Partition Coefficient
- Safe Levels in the Environment
- Compatibilty with Other Chemicals
- Treatability

b. Nature and Extent of Potential Effects of Site Contamination

From the review of existing data, Hanson Engineers shall evaluate the potential effects hazardous substances present at the Site may pose to public health, welfare and the environment. Effects should be evaluated in terms of contaminant source, migration pathways and receptors. Based upon the evaluation of potential effects of Site contamination, Hanson Engineers shall present for Agency determination recommendations for the necessity of an immediate removal (Section 750.430), planned removal (Section 750.450), or an initial response action (Section 750.462) at the Site.

c. History of Compliance and Response Actions

Hanson Engineers shall prepare a chronological summary of all past and current permits and manifests requested and/or received, any enforcement actions and their subsequent responses, any previous response actions conducted by either local, state, federal or private parties, and a list of documents and studies prepared for the Site. This summary should address any enforcement activities undertaken to indentify responsible parties, compel private cleanup and recover costs.

d. Site Map and Investigative Support

The Consultant shall prepare and submit to the Agency for review and approval a current Site map (or maps) depicting the following:

- General geographic location;
- Property lines, with the owners of all adjacent property within 1000 feet of the property line clearly indicated;
- Topography and surface drainage (with a contour interval of one (1) foot and a scale of one (1) inch = 50 feet) depicting all waterways, wetlands, floodplains, water features, drainage patterns, and surface water containment areas;
- All tanks, buildings, utilities, paved areas, easements, rights-of-way, and other features;
- All known solid or hazardous waste treatment, storage or disposal areas;
- All known past and present product and waste underground tanks or piping;
- Surrounding land uses (residential, commercial, agricultural, recreational); and

- The location of all production and ground water monitoring wells. These wells shall be clearly labeled with ground and top of casing elevations and construction details included. These elevations and details may be included as an attachment.

A legal description of Site property boundaries shall be researched in the county records and verified by a current boundary survey. The topographic survey of the Site limits shall be performed referencing horizontal distances of appropriate physical features and facilities to the property boundaries and vertical elevations to National Geodetic Vertical Datum (mean sea level). Accuracy shall be within 0.5' horizontal and 0.1' vertical. All maps must otherwise be consistent with the requirements set forth in 35 Ill. Adm. Code 703.183(s) and be of sufficient detail and accuracy to locate and report all current and future work performed at the Site. Criteria may be modified upon Agency approval to improve clarity and practical effectiveness of the map(s).

e. Summary Evaluation

Upon completion of Subtasks 1a, 1b, 1c and 1d, Hanson Engineers shall submit to the Agency for review and approval a Site Summary Evaluation. The Summary should present an evaluation of the data requirements indentified above. A list of reference documents used in compiling the Summary should be incorporated as an appendix and referenced by item number where cited in the text. The appendices to the Summary should also indentify potential sources of information which Hanson Engineers was unable to access in preparing the Summary.

The Summary shall include an assessment of the usefulness of the data gathered and evaluated in preparation of the Summary and shall specifically indentify data limitations in the assessment of potential effects of Site contamination. The Summary should indentify information remaining to be generated in regard to the types and extent of contamination, pathways of contamination migration, and migration, and receptors. The data limitations should be compiled under each of the following data evaluation subheadings:

- **Hazardous Waste Sources (to include location, quantities, concentrations and characteristics)**

- **Migration Pathways (to include information on geology, hydrogeology, physiography, hydrology, water quality, meteorology and air quality)**

- **Receptors (to include demography, land use and geology)**

The Summary shall present in conclusion, Hanson Engineer's concept of Site environmental problems and proposed approach to supplementing the data base sufficient to evaluate remedial alternatives.

TASK 2. ~~Remedial In~~ Preliminary Site Characterization ~~Investigation~~ Work Plan

Subsequent to approval by the Agency of the ~~Site~~ Preliminary Site Characterization Report, the Consultant shall prepare and submit to the Agency for review and approval a ~~Remedial Investigation Work Plan~~ Proposed Work Plan for the conduct of Site Investigations. Information compiled in evaluating the current situation and presented in the Site Preliminary Report should be incorporated into preparation of the Work Plan.

a. Administrative Outline

The Consultant shall prepare a general outline defining the RI objectives, technical approach to meeting those objectives, project organization and designation of key personnel, personnel requirements and project schedule. The project schedule shall include time allocation for review by the Agency and revision by the Consultant of all project deliverables subject to review and revision. In order to show progressional scheduling of the tasks, a bar chart or other acceptable format shall be provided showing task scheduling.

b. Site Specific Sampling Plan

The Consultant shall prepare a stand-alone Site Specific Sampling Plan to address all phases and media of field investigations conducted pursuant to this Scope of Work. The sampling plan should be designed to provide for those data deficiencies identified in the Site Preliminary Report and to meet the RI objectives stated in the administrative outline. Only those data that are both necessary and sufficient to meet the objectives of each investigation should be proposed for collection. Sample matrices may include source sampling, groundwater sampling, surface water sampling, soil and sediment sampling, air sampling, and biological sampling. The Site Specific Sampling Plan should, at a minimum, contain the following:

- Organization of the field sampling team(s) to include a definition of field sampling team member jobs and responsibilities and names of individual field sampling team members by billet.

- A description and examples of the proposed sample identification and numbering system.

- Field documentation procedures to include photography of collected batches and field notebook logging.

- Sample shipment and chain of custody procedures.

- Decontamination procedures.

- By matrix, a description of sampling to include a definition of sampling objectives, a location map identifying all sample locations, sample frequency by location, analyses of interest per sample, rationale for sample selection, schedule for both sample collection and analyses, and an equipment list identifying major items and appropriate specifications of sampling equipment. Facsimiles of all standard forms to be employed in the recording and shipment of samples and in the

logging of field data shall be included. A table should be provided to identify the number of samples to be collected with the appropriate number of replicates and blanks.

- By matrix, detailed descriptions of all pertinent methods, procedures, protocols and contingencies anticipated to be employed in the collection of samples and field data.

The Site Specific Sampling Plan should be in no way vague but should be as precise as is possible to present it. Where investigations are anticipated to be conducted in phases or the scope of the sampling plan is to be reevaluated, the Consultant shall be required to submit a technical memorandum to the Agency for review and approval at such time as the objectives of the Site Specific Sampling Plan have been met and evaluated or at such time as the Agency concurs that the approved plan is inadequate or superfluous and should be voided. Where a subsequent phase of sampling or a change in the scope of sampling is required to meet objectives, the Consultant shall submit to the Agency for review and approval a Revised Site Specific Sampling Plan.

c. Quality Assurance Project Plan

The Consultant shall prepare and submit for Agency approval a Quality Assurance Project Plan (QAPP) setting forth project data quality objectives and the procedures by which those objectives will be met. The QAPP shall be prepared in accordance with "Interim Guidelines and Specifications for Preparing Quality Assurance Plans" (QAMS - 005/80, USEPA, February 1983, EPA 600/4-83-004), requirements of the USEPA's Contract Laboratory Program and "Preparation of State-Lead Remedial Investigation Quality Assurance Plans for Region V." The QAPP must be approved by the Agency prior to any sampling and analysis. The QAPP shall include and address the following:

1. Title page with provision of approval signatures;
2. Table of Contents;
3. Project description;
4. Project organization and responsibility;
5. Objectives for measurement data in terms of precision, accuracy, completeness, representativeness, detection limits, and comparability;
6. Sampling procedures;
7. Sampling custody;
8. Calibration procedures and frequency;
9. Analytical procedures;
10. Data reduction, validation and reporting;
11. Internal quality control (checks and frequency);
12. Performance and systems audits and frequency;
13. Preventive maintenance procedures and schedules;
14. Specific routine procedures to be used to assess data precision, accuracy and completeness of specific measurement parameters involved;
15. Corrective action; and
16. Quality assurance reports.

Where an Agency Contract Laboratory (or Laboratories) will provide analytical services, elements 5, 8, 9, 10, 11, 12, 13, 14, 15 and 16 above may be omitted.

An on-site visit will be carried out by an Agency Quality Assurance Officer to verify compliance with the approved QAPP.

d. Site Specific Health and Safety Plan

The Consultant shall prepare and submit for Agency approval a Site Specific Health and Safety Plan to establish requirements and procedures for protecting the health and safety of all personnel involved in or affected by activities conducted at the Site. At a minimum, the health and safety plan must include the following:

- Description of Known Hazards and Risks
- Identification of Key Personnel and Alternates
- Designation of Levels of Protection to be Worn
- Delineation of Work Areas
- Identification of Control Procedures
- Establishment of Decontamination Procedures
- Requirements for Air Monitoring and Sampling
- Requirements for Routine and Special Training
- Procedures for Weather - Related Problems

The plan must also address Site emergencies or any occurrences that require immediate actions to prevent harm to personnel, the public, property or the environment.

The Site Specific Health and Safety Plan shall be consistent with the following:

- NIOSH Occupational Safety and Health Guidance Manual for Hazardous Waste Site Activities
- EPA Order 1440.1 - Respiratory Protection
- EPA Order 1440.3 - Health and Safety Requirements for Employees Engaged in Field Activities
- EPA Standard Operating Safety Guide (1984)
- OSHA regulations
- State and local regulations
- Other IEPA guidance as provided