

K. SINGH & ASSOCIATES, INC.

Engineers and Environmental Management Consultants

1135 Legion Drive, Elm Grove, WI 53122 (414) 821 - 1171 FAX (414) 821 - 1174

January 29, 1993

Mr. Roger Klett
Wisconsin Department of Natural Resources
4041 N. Richards Street
P.O. Box 12436
Milwaukee, WI 53212

Project # 2096

Reference: Monthly Progress Report Sanitary Landfill and Transfer
Delafield, Wisconsin

Dear Mr. Klett:

The purpose of this letter is to provide a progress report for services provided from December 1, 1992 through December 31, 1992. During this time period, we have addressed several issues, more specifically described in the following:

Project Management

<u>Scope Item</u>	<u>% Activity Complete</u>	<u>% Budget Expended</u>
1. Data Review	100	\$ 520.00
2. Staff & Subcontractor Coordination	100	\$ 1,712.50
3. Controls & Monitoring Systems	100	\$ 840.00
4. Bids & Scheduling	100	\$ 100.00
5. Coordination with Clients	100	\$ 220.00

Report Preparation

<u>Scope Item</u>	<u>% Activity Complete</u>	<u>% Budget Expended</u>
1. Operations Manual	90	\$ 225.00
2. Gas Monitoring Test Results	100	\$ 375.00
3. GW Quality Data Review	100	\$ 200.00
4. Letter Preparation & Review	100	\$ 50.00
5. Groundwater Quality Analysis	50	\$ 925.00
6. Monitoring Report	100	\$ 100.00

RECEIVED

FEB 1 1993

D.N.R. SED Hqtrs.
Milwaukee WI

Site Visist

<u>Scope Item</u>	<u>% Activity Complete</u>	<u>%Budget Expended</u>
1. Compaction Testing	100	\$ 100.00
2. Concrete Slab Construction	100	\$ 350.00
3. Project Management	100	\$ 120.00
4. Sampling On-site Wells	100	\$ 712.50
5. Staff Coordination	100	\$ 160.00
6. Coordination for Tank Installation	100	\$ 125.00
7. Tank Installation	100	\$ 1,180.00
8. Sampling Off-site Wells	100	\$ 947.50
9. Controls & Remote Monitoring Systems	80	\$ 1,460.00
10. Site Visit	100	\$ 100.00
11. Gas Monitoring	100	\$ 450.00

Subcontractors' Invoices

<u>Scope Item</u>	<u>% Activity Complete</u>	<u>% Budget Expended</u>
1. Wisconsin Testing Laboratories	100	\$ 374.00
2. Miller Electric Company	100	\$ 2,425.50
3. DRC, Inc.	100	\$ 5,677.38
4. Forrer Supply Co., Inc.	100	\$ 50.82
5. Cellular One	100	\$ 69.65
6. USEMCO	100	\$ 13,200.00
7. Vydrzal Services	100	\$ 13,672.01

Leachate Hauling

<u>Scope Item</u>	<u>% Activity Complete</u>	<u>% Budget Expended</u>
1. Kenway Service leachate collection and disposal	100	\$ 7,928.80

Equipment Usage

<u>Scope Item</u>	<u>% Activity Complete</u>	<u>% Budget Expended</u>
1. Nuclear Density Gauge	100	\$ 100.00
2. Gas Meter	100	\$ 125.00

Miscellaneous

<u>Scope Item</u>	<u>% Activity Complete</u>	<u>% Budget Expended</u>
1. Clerical	100	\$ 50.00
2. Meals	----	\$ 49.48
3. Postage	----	\$ 9.17
4. Mileage	----	\$ 295.25
5. Telephone	----	\$ 68.00
6. Fax	----	\$ 32.00
7. Film, Camera, Battery, Processing, etc.	----	\$ 48.15
8. Gas	----	\$ 4.84
9. Field Supplies	----	\$ 7.85
10. Foot Pump	----	\$ 8.58
Total Budget Expended		\$ 55,168.98

Mr. Roger Klett
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The activities concerning groundwater quality evaluation and analytical testing for December 1992 are not included in this invoice. Those activities will be included in the invoice of January 1993.

We need to gather an additional data for the previous groundwater quality test results from WDNR, Madison. When all data are available, we will evaluate and submit a report on Groundwater Quality to WDNR.

We believe that this documentation helps to clarify our activities at the landfill site. If you have any questions or desire clarification of the information provided herein, please call us.

Sincerely,

K. SINGH & ASSOCIATES, INC.

Pratap N. Singh
Pratap N. Singh, Ph.D., P.E.
Project Manager

cc: Ms. Marie Stewart / WDNR, Madison

Encl:
Invoice No. 2096-12-92 dated January 8, 1993 (Revised)

State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
Box 7921
Madison, Wisconsin 53707

INVOICE FOR PROFESSIONAL SERVICES

PROJECT Sanitary Transfer and Landfill O&M, _____ REQUEST NO. _____
Delafield Site _____ PROJECT NO. SW472
 LOCATION Delafield, Waukesha Co., Wisconsin _____ CONTRACT NO. 3618

	Total Fee Due To Date	Previously Submitted	Payment Due This Invoice
If "lump sum" contract:			
Original Contract Sum _____			
Change Orders (List Separately) _____			
Total Contract To Date _____	55,168.98		55,168.98
If "hourly basis" contract:			
Maximum contract amount <u>\$296,285.00 stipulated</u>			
Change Orders (List Separately) _____			
(Attach itemized listing)			
Other Charges to contract:			
Additional Services: (Attach itemized listing) _____			
Reimbursable Expenses (Attach itemized listing) _____			
TOTALS	55,168.98		55,168.98

THIS IS TO CERTIFY THAT The Firm named herein is entitled to a payment of \$ 55,168.98

K. Singh & Associates
Firm Name

1135 Legion Dr., Elm Grove, Wisconsin 53122
Address

By Prateep N. Singh 1/29/93
Firm Representative Date

Roger K. Klett 2/2/93
Project Manager Approval Date

Program Coordinator Approval Date

K. SINGH & ASSOCIATES, INC.

1135 Legion Drive, Elm Grove, Wisconsin 53122, (414) - 821 - 1171 FAX (414) - 821 - 1174

Name WDNR - Southeastern District
Street P.O. Box 12436 Date January 8, 1993
City / State / ZIP Milwaukee WI 53212 Project # 2096 REVISED
Attention Mr. Roger Klett Invoice No. 2096-12-92

DESCRIPTION : Engineering Services
JOB : Delafield Landfill
AUTHORIZATION : Per written authorization of May 16, 1992
PERIOD COVERED : December 1 - 31, 1992

Date	Details	Designation	Hour/ Qty./ Mins.	Cost/Hr. Cost/Meal Cost/Min.	Total
Project Management					
12/02/92	Data review	Principal Engineer (PS)	1.5	\$80.00	\$120.00
12/04/92	Data review - Groundwater Quality	Principal Engineer (PS)	1	\$80.00	\$80.00
12/10/92	Coordination of bid proposal for contractors	Project Engineer (RN)	5	\$50.00	\$250.00
12/10/92	Controls	Principal Engineer (PS)	.5	\$80.00	\$40.00
12/11/92	Finalizing bids & schedule trench work	Project Engineer (RN)	2	\$50.00	\$100.00
12/11/92	Purchase computer for remote monitoring	Project Engineer (RN)	1	\$50.00	\$50.00
12/22/92	Staff & subcontractor coordination	Principal Engineer (PS)	1	\$80.00	\$80.00
12/23/92	Staff coordination	Principal Engineer (PS)	.5	\$80.00	\$40.00
12/28/92	Staff coordination & data review	Principal Engineer (PS)	2.5	\$80.00	\$200.00
12/28/92	Preparation of monitoring unit	Project Engineer (RN)	2.5	\$50.00	\$125.00
12/29/92	Preparation of monitoring unit	Project Engineer (RN)	10.5	\$50.00	\$525.00
12/30/92	Report review - tank & probe installation	Principal Engineer (PS)	4	\$80.00	\$320.00
12/30/92	Monitoring system preparation	Project Engineer (RN)	2	\$50.00	\$100.00
<u>Subtotal for Project Management</u>					<u>\$2030.00</u>
Report Preparation					
12/01/92	Operations Manual	Marketing Coordinator (JM)	1	\$25.00	\$25.00
12/01/92	Operations Manual	Principal Engineer (PS)	2.5	\$80.00	\$200.00
12/02/92	Gas monitoring test results	Project Scientist (RS)	7.5	\$50.00	\$375.00
12/18/92	Groundwater Quality Data	Principal Engineer (PS)	2.5	\$80.00	\$200.00
12/28/92	Letter preparation & review	Marketing Coordinator (JM)	2	\$25.00	\$50.00
12/30/92	Groundwater Quality Analysis	Project Scientist (RS)	14.5	\$50.00	\$725.00
12/31/92	Groundwater Quality Analysis	Project Scientist (RS)	4	\$50.00	\$200.00
12/31/92	Monitoring Report	Project Engineer (RN)	2	\$50.00	\$100.00
<u>Subtotal for Report Preparation</u>					<u>\$1875.00</u>

PAYMENT DUE UPON RECEIPT

Date	Details	Designation	Hour/ Qty./ Mins.	Cost/Hr. Cost/Meal Cost/Min.	Total
Coordination with Clients					
12/21/92	Authorization for off-site sampling	Maintenance Technician (KN)	1.5	\$40.00	\$60.00
12/29/92	Private well owner coordination	Principal Engineer (PS)	2	\$80.00	\$160.00
<u>Subtotal for Coordination with Clients</u>					<u>\$220.00</u>
Subcontractor Coordination					
12/04/92	Bid proposal for electrical services	Project Engineer (RN)	2	\$50.00	\$100.00
12/04/92	Meeting with subcontractor	Project Engineer (RN)	1.5	\$50.00	\$75.00
12/04/92	Control contractor coordination	Principal Engineer (PS)	1	\$80.00	\$80.00
12/05/92	Bid proposal for electrical services	Project Engineer (RN)	2.5	\$50.00	\$125.00
12/07/92	Sample delivery to testing lab	Administrative Assistant (MP)	.75	\$25.00	\$18.75
12/07/92	Sample delivery to testing lab	Administrative Assistant (MP)	.75	\$25.00	\$18.75
12/09/92	Tank supplier coordination	Principal Engineer (PS)	1.5	\$80.00	\$120.00
12/14/92	Tank installation	Principal Engineer (PS)	2	\$80.00	\$160.00
12/15/92	Coordinating for leachate collection tank	Project Engineer (RN)	3	\$50.00	\$150.00
12/15/92	Coordination with suppliers	Principal Engineer (PS)	1.5	\$80.00	\$120.00
12/17/92	Installation of probes & control panel	Project Engineer (RN)	3	\$50.00	\$150.00
12/22/92	Pick up PVC coupling	Field Technician (TD)	1	\$25.00	\$25.00
<u>Subtotal for Subcontractor Coordination</u>					<u>\$1142.50</u>
Site Visit					
12/01/92	Compaction testing	Staff Engineer (VS)	2	\$50.00	\$100.00
12/01/92	Concrete slab	Project Scientist (RS)	7	\$50.00	\$350.00
12/03/92	Project management	Principal Engineer (PS)	1.5	\$80.00	\$120.00
12/08/92	Sampling of on-site wells	Project Scientist (RS)	9.5	\$50.00	\$475.00
12/08/92	Sampling	Field Technician (TD)	9.5	\$25.00	\$237.50
12/11/92	Staff coordination	Principal Engineer (PS)	2	\$80.00	\$160.00
12/16/92	Coordinating tank installation	Project Engineer (RN)	2.5	\$50.00	\$125.00
12/16/92	Tank installation	Principal Engineer (PS)	1.5	\$80.00	\$120.00
12/18/92	Tank installation & electrical conduits	Project Engineer (RN)	4.5	\$50.00	\$225.00
12/21/92	Tank installation	Project Engineer (RN)	10.5	\$50.00	\$525.00
12/21/92	Tank installation	Principal Engineer (PS)	2	\$80.00	\$160.00
12/22/92	Tank installation & manhole construction	Project Scientist (RS)	3	\$50.00	\$150.00
12/22/92	Sampling eight off-site wells	Project Scientist (RS)	2.75	\$50.00	\$137.50
12/23/92	Control panel & electric conduits installation	Project Engineer (RN)	4	\$50.00	\$200.00
12/24/92	Coordinating automatic valve installation	Project Engineer (RN)	4	\$50.00	\$200.00
12/28/92	Sampling off-site wells	Project Scientist (RS)	9	\$50.00	\$450.00
12/28/92	Install remote monitoring system	Project Engineer (RN)	8	\$50.00	\$400.00
12/28/92	Sampling	Maintenance Technician (KN)	9	\$40.00	\$360.00
12/29/92	Site visit	Project Scientist (RS)	2	\$50.00	\$100.00
12/29/92	Control installation	Principal Engineer (PS)	2	\$80.00	\$160.00

PAYMENT DUE UPON RECEIPT

Date	Details	Designation	Hour/ Qty./ Mins.	Cost/Hr. Cost/Meal Cost/Min.	Total
12/30/92	Install remote monitoring unit	Project Engineer (RN)	4	\$50.00	\$200.00
12/31/92	Sampling - gas monitoring	Project Scientist (RS)	5	\$50.00	\$250.00
12/31/92	Start-up monitoring system	Project Engineer (RN)	6	\$50.00	\$300.00
12/31/92	Testing methane wells	Maintenance Technician (KN)	5	\$40.00	\$200.00
<u>Subtotal for Site Visit</u>					<u>\$5705.00</u>
Clerical					
12/02/92	Miscellaneous clerical	Administrative Assistant (MP)	.5	\$25.00	\$12.50
12/04/92	Miscellaneous clerical	Marketing Coordinator (JM)	.5	\$25.00	\$12.50
12/07/92	Miscellaneous clerical	Administrative Assistant (MP)	.5	\$25.00	\$12.50
12/18/92	Miscellaneous clerical	Marketing Coordinator (JM)	.5	\$25.00	\$12.50
<u>Subtotal for Clerical</u>					<u>\$50.00</u>
Subcontractor's Invoices					
12/16/92	Wisconsin Testing Laboratories #92777 Grain size analyses & Proctor tests		1.1	\$340.00	\$374.00
12/17/92	Miller Electric Service #9053 Install control panel & conduit		1.1	\$1960.00	\$2156.00
12/18/92	Miller Electric Service #9059 Install additional probe		1.1	\$245.00	\$269.50
12/21/92	DRC, Inc. #2783 Control panel, phonecell interface & dialer		1.1	\$5161.25	\$5677.38
12/22/92	Forrer Supply Co., Inc. #039906 2 10" Couplings		1.1	\$46.20	\$50.82
12/22/92	CellularOne 00026203-040		1.1	\$63.32	\$69.65
12/23/92	USEMCO #16678 10,000 gal. Steel Leachate Tank		1.1	\$12000.00	\$13200.00
12/28/92	Vydrzal Services Inc. #7987 Tank installation balance due		1.1	\$10858.00	\$11943.80
12/28/92	Vydrzal Services Inc. #7986 Monitor pump & gas vents for Dec.		1.1	\$1350.00	\$1485.00
12/30/92	Vydrzal Services Inc. #7992 Manhole, cast iron frame & grate		1.1	\$221.10	\$243.21
01/04/93	Kenway Service, Inc. #10130 Pump & dispose of 34 loads leachate		1.1	\$7208.00	\$7928.80
<u>Subtotal for Subcontractor's Invoices</u>					<u>\$43398.16</u>
Equipment Usage					
12/01/92	Nuclear Density Gage		1	\$100.00	\$100.00
12/31/92	Digital Methane Tester		5	\$25.00	\$125.00
<u>Subtotal for Equipment Usage</u>					<u>\$225.00</u>
Meals					
12/08/92		Project Scientist (RS)	1	\$8.71	\$8.71
12/16/92		Project Engineer (RN)	1	\$4.18	\$4.18
12/18/92		Project Engineer (RN)	1	\$4.85	\$4.85
12/21/92		Project Engineer (RN)	1	\$5.32	\$5.32
12/28/92		Project Scientist (RS)	1	\$4.61	\$4.61

PAYMENT DUE UPON RECEIPT

Date	Details	Designation	Hour/ Qty./ Mins.	Cost/Hr. Cost/Meal Cost/Min.	Total
12/28/92		Project Engineer (RN)	1	\$4.18	\$4.18
12/28/92		Maintenance Technician (KN)	1	\$5.46	\$5.46
12/31/92		Project Scientist (RS)	1	\$3.67	\$3.67
12/31/92		Project Engineer (RN)	1	\$4.83	\$4.83
12/31/92		Maintenance Technician (KN)	1	\$3.67	\$3.67
<u>Subtotal for Meals</u>					<u>\$49.48</u>
Mileage					
12/01/92		Project Scientist (RS)	77	\$0.35	\$26.95
12/07/92		Administrative Assistant (MP)	14	\$0.35	\$4.90
12/08/92		Project Scientist (RS)	65	\$0.35	\$22.75
12/11/92		Principal Engineer (PS)	40	\$0.35	\$14.00
12/16/92		Project Engineer (RN)	45	\$0.35	\$15.75
12/18/92		Project Engineer (RN)	45	\$0.35	\$15.75
12/21/92		Project Engineer (RN)	45	\$0.35	\$15.75
12/22/92		Project Scientist (RS)	50	\$0.35	\$17.50
12/23/92	Van	Project Engineer (RN)	45	\$1.00	\$45.00
12/24/92		Project Engineer (RN)	45	\$0.35	\$15.75
12/28/92		Project Engineer (RN)	40	\$0.35	\$14.00
12/28/92		Maintenance Technician (KN)	63	\$0.35	\$22.05
12/29/92		Project Scientist (RS)	35	\$0.35	\$12.25
12/30/92		Project Engineer (RN)	40	\$0.35	\$14.00
12/31/92		Project Engineer (RN)	40	\$0.35	\$14.00
12/31/92		Maintenance Technician (KN)	71	\$0.35	\$24.85
<u>Subtotal for Mileage</u>					<u>\$295.25</u>
Telephone					
11/24/92		Project Engineer (RN)	5	\$1.00	\$5.00
11/25/92		Project Engineer (RN)	2	\$1.00	\$2.00
11/25/92		Project Engineer (RN)	1	\$1.00	\$1.00
12/09/92		Project Engineer (RN)	2	\$1.00	\$2.00
12/10/92		Project Engineer (RN)	5	\$1.00	\$5.00
12/10/92		Project Engineer (RN)	5	\$1.00	\$5.00
12/11/92		Project Engineer (RN)	2	\$1.00	\$2.00
12/11/92		Project Engineer (RN)	1	\$1.00	\$1.00
12/14/92		Project Engineer (RN)	3	\$1.00	\$3.00
12/16/92		Project Engineer (RN)	10	\$1.00	\$10.00
12/16/92		Project Engineer (RN)	5	\$1.00	\$5.00
12/17/92		Project Engineer (RN)	5	\$1.00	\$5.00
12/22/92		Project Engineer (RN)	2	\$1.00	\$2.00
12/31/92		Maintenance Technician (KN)	20	\$1.00	\$20.00
<u>Subtotal for Telephone</u>					<u>\$68.00</u>

PAYMENT DUE UPON RECEIPT

Date	Details	Designation	Hour/ Qty./ Mins.	Cost/Hr. Cost/Meal Cost/Min.	Total
FAX					
12/07/92			9	\$1.00	\$9.00
12/07/92			9	\$1.00	\$9.00
12/17/92			4	\$1.00	\$4.00
12/22/92			2	\$1.00	\$2.00
12/28/92			8	\$1.00	\$8.00
<u>Subtotal for FAX</u>					<u>\$32.00</u>
Postage					
12/02/92			2	\$2.59	\$5.18
12/04/92			2	\$0.29	\$0.58
12/07/92			2	\$0.52	\$1.04
12/08/92			1	\$0.52	\$0.52
12/18/92			3	\$0.29	\$0.87
12/28/92			1	\$0.98	\$0.98
<u>Subtotal for Postage</u>					<u>\$9.17</u>
Miscellaneous Expenses					
12/01/92	Film		1	\$3.91	\$3.91
12/01/92	Film		1	\$3.98	\$3.98
12/01/92	Battery		1	\$3.56	\$3.56
12/08/92	Gas		1	\$4.84	\$4.84
12/08/92	Field supplies- distilled water & paper towel		1	\$7.85	\$7.85
12/08/92	Foot pump		1	\$8.58	\$8.58
12/16/92	Camera & cell		1	\$19.78	\$19.78
12/30/92	Film processing		1	\$11.66	\$11.66
12/30/92	Film developing		1	\$5.26	\$5.26
<u>Subtotal for Miscellaneous Expenses</u>					<u>\$69.42</u>

AMOUNT DUE \$55,168.98

Kamala Singh
President

PAYMENT DUE UPON RECEIPT