

**GLWA CONTRACT NO. 2002946 - RATES TABULATION**

**\*NTH CONSULTANTS**

**TASK: Remediation of leaking Underground Storage Tank site**

<b>Classification</b>	<b>Hourly Pay Rate (Unit Pay Rate)</b>	<b>Estimated Hours of Other Units Per Occurance</b>	<b>Sub- Total</b>
Project Manager/hr	\$185.00	4	\$740.00
Sr Project Engineer/hr	\$145.00	12	\$1,740.00
Crew Leader/hr	\$115.50	10	\$1,155.00
Analytical Cost/sample	\$127.05	10	\$1,270.50
Cleaning and disposal of Tanks (2500 gall. Capacity)	\$2,625.00	1	\$2,625.00
Hydraulic Excavator with Operator/hr.	\$199.50	10	\$1,995.00
Staff Professional /hr	\$95.00	14	\$1,330.00
Field Laborer/hr	\$89.25	10	\$892.50
Removal and Disposal of Contaminated Soil to Type II Landfill/ cu yard.	\$28.88	120	\$3,465.00
Backfill Sand / cu yard	\$21.00	135	\$2,835.00
	<b>TOTAL</b>	<b>Estimated Hours</b>	<b>\$18,048.00</b>

## GLWA CONTRACT NO. 2002946 - RATES TABULATION

### \*NTH CONSULTANTS

**TASK: Develop Health and Safety Programs and Training of GLWA Personnel**

Classification	Hourly Pay Rate (Unit Pay Rate)	Estimated Hours of Other Units Per Occurance	Sub- Total
All Regualtory Health and Safety topics related to the operations { <u>Develop safety program</u> } Sr. Project Engineer	\$165.00	32	\$5,280.00
<u>Project Manager/hr</u>	\$185.00	2	\$370.00
<u>Senior Project Consultant /hr</u>	\$185.00	4	\$740.00
<u>Sr Project Engineer/hr</u>	\$145.00	4	\$580.00
<u>Word Processing</u>	\$50.00	4	\$200.00
	Unit Rate	Estimated Quantity	Sub-Total
Total Course Development (One Time Charge <u>(Sr. Project Professional)</u> )	\$165.00	24	\$3,960.00
<u>Project Manager/hr</u>	\$185.00	2	\$370.00
	\$185.00	2	\$370.00
<u>Senior Project Consultant /hr</u>			
<u>Word Processing</u>	\$50.00	4	\$200.00
Course Presentation (class size: 30, course manuals to be provided to each participant) <u>(Sr. Project Professional)</u>	\$165.00	8	\$1,320.00
<u>Word Processing</u>	\$50.00	8	\$400.00
		<b>TOTAL</b>	<b>\$13,790.00</b>

**TASK: Develop Spill Control and Countermeasures/ Pollution Incident Prevention Plans Development and Updates**

Classification	Hourly Pay Rate (Unit Pay Rate)	Estimated Hours of Other Units Per Occurance	Sub- Total
<u>Senior Project Consultant /hr</u>	\$185.00	0	\$0.00
<u>Project Manager/hr</u>	\$185.00	4	\$740.00
<u>Senior Project Engineeer/hr</u>	\$145.00	12	\$1,740.00
<u>Senior Staff Engineeer/hr</u>	\$115.00	8	\$920.00
<u>Staff Professional/hr</u>	\$95.00	0	\$0.00
<u>CADD</u>	\$85.00	2	\$170.00
<u>Word Processing</u>	\$50.00	6	\$300.00
		<b>TOTAL</b>	<b>\$3,870.00</b>

## GLWA CONTRACT NO. 2002946 - RATES TABULATION

### \*NTH CONSULTANTS

**TASK: Update and Audit of Process Safety Managment and Risk Management Plan**

Classification	Hourly Pay Rate (Unit Pay Rate)	Estimated Hours of Other Units Per Occurance	Sub- Total
Project Manager/hr	\$185.00	4	\$740.00
Senior Project Engineer/hr	\$145.00	52	\$7,540.00
Crew Leader/hr	N/A	0	\$0.00
Decontamination Equipment/hr	N/A	0	\$0.00
Staff Professional/hr	\$95.00	16	\$1,520.00
Word Processing - /hr	\$50.00	4	\$200.00
	<b>TOTAL</b>	<b>Estimated Hours</b>	<b>\$10,000.00</b>

**TASK: Clean-up and Disposal of Oil and Pollution Spills on Surface Waters**

Classification	Hourly Pay Rate (Unit Pay Rate)	Estimated Hours of Other Units Per Occurance	Sub- Total
Project Manager/hr	\$185.00	4	\$740.00
Senior Project Engineer/hr	\$145.00	16	\$2,320.00
Contractor Project Manager /hr	\$162.23	3	\$486.68
Crew Leader/hr	\$118.39	30	\$3,551.63
Contractor Technician /hr	\$128.10	30	\$3,843.00
Contractor Field Labor /hr	\$84.00	60	\$5,040.00
Decontamination Equipment/hr	\$263.55	6	\$1,581.30
Staff Professional/hr	\$95.00	36	\$3,420.00
Field Technician - /hr	\$65.00	0	\$0.00
Complete waste characterization/sample	\$549.15	1	\$549.15
Supply and deploy of contaminate boom by boat/incident	\$2,816.10	1	\$2,816.10
Supply and deploy of absorbant boom by boat/incident	\$2,502.15	1	\$2,502.15
Recover, contaminize, transport and dispose of floating contaminate/gallon	\$26.78	250	\$6,693.75
	<b>TOTAL</b>	<b>Estimated Hours</b>	<b>\$33,543.75</b>

Notes:

\* NTH Consultants rates and hours were deemed acceptable and added value for this project.

## ARCADIS OF MICHIGAN LLC

**TASK: Remediation of leaking Underground Storage Tank site**

Classification	Hourly Pay Rate (Unit Pay Rate)	Estimated Hours of Other Units Per Occurance	Sub- Total
Project Manager/hr	\$175.00	6	\$740.00
Activity Manager/hr	\$130.00	7	\$910.00
Crew Leader/hr	\$90.00	4	\$360.00
Analytical Cost/sample	\$125.00	6	\$750.00
Cleaning and disposal of Tanks (2500 gall. Capacity)	\$4,000.00	1	\$4,000.00
Hydraulic Excavator with Operator/hr.	\$180.00	16	\$2,880.00
Field Technician- Professional /hr	\$80.00	16	\$1,280.00
Field Technician - Assistant/hr	\$70.00	7	\$490.00
Removal and Disposal of Contaminated Soil to Type II Landfill/ cu yard.	\$60.00	40	\$2,400.00
	<b>TOTAL</b>	<b>Estimated Hours</b>	<b>\$14,120.00</b>



## ARCADIS OF MICHIGAN LLC

### TASK: Update and Audit of Process Safety Managment and Risk Management Plan

Classification	Hourly Pay Rate (Unit Pay Rate)	Estimated Hours of Other Units Per Occurance	Sub- Total
Activity Manager/hr	\$195.00	16	\$3,120.00
Project Engineer/hr	\$135.00	45	\$6,075.00
Crew Leader/hr	\$90.00	16	\$1,440.00
Decontamination Equipment/hr	N/A	0	\$0.00
Technician _ Professional/hr	\$85.00	12	\$1,020.00
Field Technician- /hr	\$70.00	8	\$560.00
	<b>TOTAL</b>	<b>Estimated Hours</b>	\$12,215.00

### TASK: Clean-up and Disposal of Oil and Pollution Spills on Surface Waters

Classification	Hourly Pay Rate (Unit Pay Rate)	Estimated Hours of Other Units Per Occurance	Sub- Total
Activity Manager/hr	\$130.00	6	\$780.00
Project Engineer/hr	\$135.00	4	\$540.00
Crew Leader/hr	\$92.00	12	\$1,104.00
Decontamination Equipment/hr	\$250.00	4	\$1,000.00
Technician - Professional/hr	\$85.00	12	\$1,020.00
Field Technician - /hr	\$66.00	12	\$792.00
Complete waste characterization/sample	\$525.00	1	\$525.00
Supply and deploy of contaminate boom by boat/incident	\$7,200.00	1	\$7,200.00
Supply and deploy of absorbant boom by boat/incident	\$6,900.00	1	\$6,900.00
Recover, contaminize, transport and dispose of floating contaminate/gallon	\$50.00	100	\$5,000.00
	<b>TOTAL</b>	<b>Estimated Hours</b>	\$24,861.00

## GHD

### TASK: Remediation of leaking Underground Storage Tank site

Classification	Hourly Pay Rate (Unit Pay Rate)	Estimated Hours of Other Units Per Occurance	Sub- Total
Project Manager/hr	\$195.00	4	\$780.00
Activity Manager/hr	\$175.00	8	\$1,400.00
Crew Leader/hr	\$150.00	16	\$2,400.00
Analytical Cost/sample	\$200.00	5	\$1,000.00
Cleaning and disposal of Tanks (2500 gall. Capacity)	\$3,000.00	1	\$3,000.00
Hydraulic Excavator with Operator/hr.	\$200.00	16	\$3,200.00
Field Technician- Professional /hr	\$180.00	16	\$2,880.00
Field Technician - Assistant/hr	\$105.00	16	\$1,680.00
Removal and Disposal of Contaminated Soil to Type II Landfill/ cu yard.	\$50.00	60	\$3,000.00
	<b>TOTAL</b>	<b>Estimated Hours</b>	<b>\$19,340.00</b>





## GHD

### TASK: Update and Audit of Process Safety Managment and Risk Management Plan

Classification	Hourly Pay Rate (Unit Pay Rate)	Estimated Hours of Other Units Per Occurance	Sub- Total
Activity Manager/hr	\$195.00	40	\$7,800.00
Project Engineer/hr	\$160.00	40	\$6,400.00
Crew Leader/hr	\$150.00	0	\$0.00
Decontamination Equipment/hr	\$200.00	0	\$0.00
Technician _ Professional/hr	\$180.00	4	\$720.00
Field Technician- /hr	\$105.00	0	\$0.00
	<b>TOTAL</b>	<b>Estimated Hours</b>	<b>\$14,920.00</b>

### TASK: Clean-up and Disposal of Oil and Pollution Spills on Surface Waters

Classification	Hourly Pay Rate (Unit Pay Rate)	Estimated Hours of Other Units Per Occurance	Sub- Total
Activity Manager/hr	\$170.00	3	\$510.00
Project Engineer/hr	\$160.00	0	\$0.00
Crew Leader/hr	\$150.00	16	\$2,400.00
Decontamination Equipment/hr	\$200.00	2	\$400.00
Technician - Professional/hr	\$180.00	2	\$360.00
Field Technician - /hr	\$105.00	16	\$1,680.00
Complete waste characterization/sample	\$500.00	1	\$500.00
Supply and deploy of contaminate boom by boat/incident	\$7,000.00	1	\$7,000.00
Supply and deploy of absorbant boom by boat/incident	\$5,000.00	1	\$5,000.00
Recover, contaminize, transport and dispose of floating contaminate/gallon	\$40.00	200	\$8,000.00
	<b>TOTAL</b>	<b>Estimated Hours</b>	<b>\$25,850.00</b>

## GZA GeoEnvironmental

**TASK: Remediation of leaking Underground Storage Tank site**

Classification	Hourly Pay Rate (Unit Pay Rate)	Estimated Hours of Other Units Per Occurance	Sub- Total
Project Manager/hr	\$160.00	TBD	TBD
Activity Manager/hr	\$120.00	TBD	TBD
Crew Leader/hr	\$68.00	TBD	TBD
Analytical Cost/sample	\$250.00	TBD	TBD
Cleaning and disposal of Tanks (2500 gall. Capacity)	\$5,796.00	TBD	TBD
Hydraulic Excavator with Operator/hr.	\$196.00	TBD	TBD
Field Technician- Professional /hr	\$86.50	TBD	TBD
Field Technician - Assistant/hr	\$43.25	TBD	TBD
Removal and Disposal of Contaminated Soil to Type II Landfill/ cu yard.	\$213.00	TBD	TBD
	<b>TOTAL</b>	<b>Estimated Hours</b>	TBD



## GZA GeoEnvironmental

### TASK: Update and Audit of Process Safety Management and Risk Management Plan

Classification	Hourly Pay Rate (Unit Pay Rate)	Estimated Hours of Other Units Per Occurance	Sub- Total
Project Manager	\$165.00	6 to 12	TBD
Senior Project Engineer	\$145.00	N/A	N/A
Project Engineer/Activity Manager	\$120.00	10 to 20	TBD
Staff Professional	\$105.00	20 to 60	N/A
Graphic Designer/CADD	\$100.00	8 to 16	TBD
Word Processing	\$50.00	8	TBD
Decontamination Equipment/hr	\$251.00	0	\$0.00
Technician _Professional/hr	\$86.50	0	\$0.00
Field Technician- /hr	\$43.25	0	\$0.00
	<b>TOTAL</b>	<b>Estimated Hours</b>	\$14,920.00

### TASK: Clean-up and Disposal of Oil and Pollution Spills on Surface Waters

Classification	Hourly Pay Rate (Unit Pay Rate)	Estimated Hours of Other Units Per Occurance	Sub- Total
Project Manager	\$160.00	TBD	TBD
Project Engineer/Activity Manager	\$120.00	TBD	TBD
Crew Leader/hr	\$112.75	TBD	TBD
Decontamination Equipment/hr	\$251.00	TBD	TBD
Technician - Professional/hr	\$122.00	TBD	TBD
Field Technician - /hr	\$80.00	TBD	TBD
Complete waste characterization/sample	\$250.00	TBD	TBD
Supply and deploy of contaminate boom by boat/incident	\$7,286.00	TBD	TBD
Supply and deploy of absorbant boom by boat/incident	\$6,987.00	TBD	TBD
Recover, containerize, transport and dispose of floating contaminate/gallon	\$10,980.00	TBD	TBD
	<b>TOTAL</b>	<b>Estimated Hours</b>	TBD

## ENVIRONMENTAL TESTING & CONSULTING, INC

**TASK: Remediation of leaking Underground Storage Tank site**

Classification	Hourly Pay Rate (Unit Pay Rate)	Estimated Hours of Other Units Per Occurance	Sub- Total
Project Manager/hr	\$115.00	2	\$230.00
Activity Manager/hr	\$100.00	55	\$5,500.00
Crew Leader/hr	\$103.00	16	\$1,648.00
Analytical Cost/sample	\$250.00	12	\$3,000.00
Cleaning and disposal of Tanks (2500 gall. Capacity)	\$8,000.00	1	\$8,000.00
Hydraulic Excavator with Operator/hr.	\$230.00	16	\$3,680.00
Field Technician- Professional /hr	\$95.00	6	\$570.00
Field Technician - Assistant/hr	\$65.00	6	\$390.00
Removal and Disposal of Contaminated Soil to Type II Landfill/ cu yard.	\$100.00	16	\$1,600.00
	<b>TOTAL</b>	<b>Estimated Hours</b>	<b>\$24,618.00</b>



## ENVIRONMENTAL TESTING & CONSULTING, INC

### TASK: Update and Audit of Process Safety Managment and Risk Management Plan

Classification	Hourly Pay Rate (Unit Pay Rate)	Estimated Hours of Other Units Per Occurance	Sub- Total
Activity Manager/hr	\$100.00	45	\$4,500.00
Project Engineer/hr	\$115.00	12	\$1,380.00
Crew Leader/hr	\$103.00	12	\$1,236.00
Decontamination Equipment/hr	\$95.00	4	\$380.00
Technician _Professional/hr	\$85.00	15	\$1,275.00
Field Technician- /hr	\$82.00	6	\$492.00
	<b>TOTAL</b>	<b>Estimated Hours</b>	\$9,263.00

### TASK: Clean-up and Disposal of Oil and Pollution Spills on Surface Waters

Classification	Hourly Pay Rate (Unit Pay Rate)	Estimated Hours of Other Units Per Occurance	Sub- Total
Activity Manager/hr	\$100.00	80	\$8,000.00
Project Engineer/hr	\$115.00	20	\$2,300.00
Crew Leader/hr	\$103.00	80	\$8,240.00
Decontamination Equipment/hr	\$82.00	10	\$820.00
Technician - Professional/hr	\$75.00	30	\$2,250.00
Field Technician - /hr	\$82.00	72	\$5,904.00
Complete waste characterization/sample	\$1,000.00	1	\$1,000.00
Supply and deploy of contaminate boom by boat/incident	\$3.60	12000	\$43,200.00
Supply and deploy ofabsorbant boom by boat/incident	\$160.00	300	\$48,000.00
Recover, contaminize, transport and dispose of floating contaminate/gallon	\$2.00	6000	\$12,000.00
	<b>TOTAL</b>	<b>Estimated Hours</b>	\$131,714.00

**PSI**

**TASK: Remediation of leaking Underground Storage Tank site**

<b>Classification</b>	<b>Hourly Pay Rate (Unit Pay Rate)</b>	<b>Estimated Hours of Other Units Per Occurance</b>	<b>Sub- Total</b>
Project Manager/hr	\$125.00	8	\$1,000.00
Activity Manager/hr	\$105.00	8	\$840.00
Crew Leader/hr	\$95.00	8	\$760.00
Analytical Cost/sample	\$450.00	6	\$2,700.00
Cleaning and disposal of Tanks (2500 gall. Capacity)	\$2,000.00	1	\$2,000.00
Hydraulic Excavator with Operator/hr.	\$100.00	8	\$800.00
Field Technician- Professional /hr	\$75.00	16	\$1,200.00
Field Technician - Assistant/hr	N/A	N/A	N/A
Removal and Disposal of Contaminated Soil to Type II Landfill/ cu yard.	\$65.00	20 Tons	\$1,300.00
	<b>TOTAL</b>	<b>Estimated Hours</b>	<b>\$10,600.00</b>





## PSI

### TASK: Update and Audit of Process Safety Managment and Risk Management Plan

Classification	Hourly Pay Rate (Unit Pay Rate)	Estimated Hours of Other Units Per Occurance	Sub- Total
Activity Manager/hr	\$105.00	45	\$1,050.00
Project Engineer/hr	\$110.00	12	\$6,600.00
Crew Leader/hr	\$135.00	12	\$2,700.00
Decontamination Equipment/hr	N/A	N/A	N/A
Technician _Professional/hr	\$75.00	15	\$1,500.00
Field Technician- /hr	N/A	N/A	N/A
	<b>TOTAL</b>	<b>Estimated Hours</b>	\$11,850.00

### TASK: Clean-up and Disposal of Oil and Pollution Spills on Surface Waters

Classification	Hourly Pay Rate (Unit Pay Rate)	Estimated Hours of Other Units Per Occurance	Sub- Total
Activity Manager/hr	\$105.00	20	\$2,100.00
Project Engineer/hr	\$110.00	10	\$1,100.00
Crew Leader/hr	\$95.00	20	\$1,900.00
Decontamination Equipment/hr	\$750.00	2	\$1,500.00
Technician - Professional/hr	\$75.00	20	\$1,500.00
Field Technician - /hr	\$65.00	20	\$1,300.00
Complete waste characterization/sample	\$650.00	1	\$650.00
Supply and deploy of contaminate boom by boat/incident	\$1,800.00	2 days	\$3,600.00
Supply and deploy of absorbant boom by boat/incident	\$1,800.00	2 days	N/A
Recover, containerize, transport and dispose of floating contaminate/gallon	\$10.00	500 gallons	\$5,000.00
	<b>TOTAL</b>	<b>Estimated Hours</b>	\$18,650.00