Original

State of New Jersey

RFQ - Pricing Proposal
Waterway Debris Removal and Management Services

Friday, January 18, 2013 @ 3:00pm



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As part of this effort, our proposal is printed on recycled paper.

FINAL ATTACHMENT A - PRICE PROPOSAL FORM - DATED JANUARY 16, 2013

State of New Jersey - RFQ Waterway Debris Removal Services Pricing from CrowderGulf

					NORTH REGION			CENTRAL REGION						SOUTH REGION					
Line #	Description	Units	Quantity Tier	Measure of Distance	ZONE 1 (A)	ZONE 2 (B)	REGION TOTAL (A)+(B)	ZONE 3 (C)	ZONE 4 (D)	ZONE 5 (E)	ZONE 6 (F)	ZONE 7 (G)	REGION TOTAL SUM (C) THRU (G)	ZONE 8 (H)	ZONE 9 (I)	ZONE 10 (J)	ZONE 11 (K)	REGION TOTAL SUM (H) THRU (K)	STATE TOTAL SUM (A) THRU (K)
1	**Vegetative Waste** - vegetative debris removal from waterway and transport for a prescribed distance from offload to TDMA	CY per mileage intervals	1 - 10,000 CY	0-15 miles	287.00	287.00	574.00	287.00	287.00	287.00	287.00	287.00	1,435.00	287.00	287.00	287.00	287.00	1,148.00	3,157.00
2				16-30 miles	293.00	293.00	586.00	293.00	293.00	293.00	293.00	293.00	1,465.00	293.00	293.00	293.00	293.00	1,172.00	3,223.00
3				31-60 miles	299.00	299.00	598.00	299.00	299.00	299.00	299.00	299.00	1,495.00	299.00	299.00	299.00	299.00	1,196.00	3,289.00
4				60+ miles	305.00	305.00	610.00	305.00	305.00	305.00	305.00	305.00	1,525.00	305.00	305.00	305.00	305.00	1,220.00	3,355.00
5	**Vegetative Waste** - vegetative debris removal from waterway and transport for a prescribed distance from offload to TDMA	CY per mileage intervals	10,001 - 25,000 CY	0-15 miles	273.00	273.00	546.00	273.00	273.00	273.00	273.00	273.00	1,365.00	273.00	273.00	273.00	273.00	1,092.00	3,003.00
6				16-30 miles	279.00	279.00	558.00	279.00	279.00	279.00	279.00	279.00	1,395.00	279.00	279.00	279.00	279.00	1,116.00	3,069.00
7				31-60 miles	284.00	284.00	568.00	284.00	284.00	284.00	284.00	284.00	1,420.00	284.00	284.00	284.00	284.00	1,136.00	3,124.00
8				60+ miles	290.00	290.00	580.00	290.00	290.00	290.00	290.00	290.00	1,450.00	290.00	290.00	290.00	290.00	1,160.00	3,190.00
9	**Vegetative Waste** - vegetative debris removal from waterway and transport for a prescribed distance from offload to TDMA	CY per mileage intervals	Above 25,000 CY	0-15 miles	260.00	260.00	520.00	260.00	260.00	260.00	260.00	260.00	1,300.00	260.00	260.00	260.00	260.00	1,040.00	2,860.00
10				16-30 miles	265.00	265.00	530.00	265.00	265.00	265.00	265.00	265.00	1,325.00	265.00	265.00	265.00	265.00	1,060.00	2,915.00
11				31-60 miles	270.00	270.00	540.00	270.00	270.00	270.00	270.00	270.00	1,350.00	270.00	270.00	270.00	270.00	1,080.00	2,970.00
12				60+ miles	276.00	276.00	552.00	276.00	276.00	276.00	276.00	276.00	1,380.00	276.00	276.00	276.00	276.00	1,104.00	3,036.00
13	**Vegetative Waste** - vegetative debris removal from waterway and transport for a prescribed distance from offload to final disposal site	CY per mileage intervals	1 - 10,000 CY	0-15 miles	297.50	297.50	595.00	297.50	297.50	297.50	297.50	297.50	1,487.50	297.50	297.50	297.50	297.50	1,190.00	3,272.50
14				16-30 miles	306.50	306.50	613.00	306.50	306.50	306.50	306.50	306.50	1,532.50	306.50	306.50	306.50	306.50	1,226.00	3,371.50
15				31-60 miles	317.50	317.50	635.00	317.50	317.50	317.50	317.50	317.50	1,587.50	317.50	317.50	317.50	317.50	1,270.00	3,492.50
16				60+ miles	331.50	331.50	663.00	331.50	331.50	331.50	331.50	331.50	1,657.50	331.50	331.50	331.50	331.50	1,326.00	3,646.50
17	**Vegetative Waste** - vegetative debris removal from waterway and transport for a prescribed distance from offload to final disposal site	CY per mileage intervals	10,001 - 25,000 CY	0-15 miles	283.00	283.00	566.00	283.00	283.00	283.00	283.00	283.00	1,415.00	283.00	283.00	283.00	283.00	1,132.00	3,113.00
18				16-30 miles	291.00	291.00	582.00	291.00	291.00	291.00	291.00	291.00	1,455.00	291.00	291.00	291.00	291.00	1,164.00	3,201.00
19				31-60 miles	302.00	302.00	604.00	302.00	302.00	302.00	302.00	302.00	1,510.00	302.00	302.00	302.00	302.00	1,208.00	3,322.00
20				60+ miles	315.00	315.00	630.00	315.00	315.00	315.00	315.00	315.00	1,575.00	315.00	315.00	315.00	315.00	1,260.00	3,465.00
21	**Vegetative Waste** - vegetative debris removal from waterway and transport for a prescribed distance from offload to final disposal site	CY per mileage intervals	Above 25,000 CY	0-15 miles	268.00	268.00	536.00	268.00	268.00	268.00	268.00	268.00	1,340.00	268.00	268.00	268.00	268.00	1,072.00	2,948.00
22				16-30 miles	276.00	276.00	552.00	276.00	276.00	276.00	276.00	276.00	1,380.00	276.00	276.00	276.00	276.00	1,104.00	3,036.00
23				31-60 miles	286.00	286.00	572.00	286.00	286.00	286.00	286.00	286.00	1,430.00	286.00	286.00	286.00	286.00	1,144.00	3,146.00
24				60+ miles	299.00	299.00	598.00	299.00	299.00	299.00	299.00	299.00	1,495.00	299.00	299.00	299.00	299.00	1,196.00	3,289.00
25	**C&D** - C&D debris removal from waterway and transport for a prescribed distance from offload to TDMA	CY per mileage intervals	1 - 10,000 CY	0-15 miles	287.00	287.00	574.00	287.00	287.00	287.00	287.00	287.00	1,435.00	287.00	287.00	287.00	287.00	1,148.00	3,157.00
26				16-30 miles	293.00	293.00	586.00	293.00	293.00	293.00	293.00	293.00	1,465.00	293.00	293.00	293.00	293.00	1,172.00	3,223.00
27				31-60 miles	299.00	299.00	598.00	299.00	299.00	299.00	299.00	299.00	1,495.00	299.00	299.00	299.00	299.00	1,196.00	3,289.00
28				60+ miles	305.00	305.00	610.00	305.00	305.00	305.00	305.00	305.00	1,525.00	305.00	305.00	305.00	305.00	1,220.00	3,355.00
29	**C&D** - C&D debris removal from waterway and transport for a prescribed distance from offload to TDMA	CY per mileage intervals	10,001 - 25,000 CY	0-15 miles	273.00	273.00	546.00	273.00	273.00	273.00	273.00	273.00	1,365.00	273.00	273.00	273.00	273.00	1,092.00	3,003.00
30				16-30 miles	279.00	279.00	558.00	279.00	279.00	279.00	279.00	279.00	1,395.00	279.00	279.00	279.00	279.00	1,116.00	3,069.00
31				31-60 miles	284.00	284.00	568.00	284.00	284.00	284.00	284.00	284.00	1,420.00	284.00	284.00	284.00	284.00	1,136.00	3,124.00
32				60+ miles	290.00	290.00	580.00	290.00	290.00	290.00	290.00	290.00	1,450.00	290.00	290.00	290.00	290.00	1,160.00	3,190.00
33	**C&D** - C&D debris removal from waterway and transport for a prescribed distance from offload to TDMA	CY per mileage intervals	Above 25,000 CY	0-15 miles	260.00	260.00	520.00	260.00	260.00	260.00	260.00	260.00	1,300.00	260.00	260.00	260.00	260.00	1,040.00	2,860.00
34				16-30 miles	265.00	265.00	530.00	265.00	265.00	265.00	265.00	265.00	1,325.00	265.00	265.00	265.00	265.00	1,060.00	2,915.00
35				31-60 miles	270.00	270.00	540.00	270.00	270.00	270.00	270.00	270.00	1,350.00	270.00	270.00	270.00	270.00	1,080.00	2,970.00
36				60+ miles	276.00	276.00	552.00	276.00	276.00	276.00	276.00	276.00	1,380.00	276.00	276.00	276.00	276.00	1,104.00	3,036.00
37	**C&D** - C&D debris removal from waterway and transport for a prescribed distance from offload to final disposal site	CY per mileage intervals	1 - 10,000 CY	0-15 miles	297.50	297.50	595.00	297.50	297.50	297.50	297.50	297.50	1,487.50	297.50	297.50	297.50	297.50	1,190.00	3,272.50
38				16-30 miles	306.50	306.50	613.00	306.50	306.50	306.50	306.50	306.50	1,532.50	306.50	306.50	306.50	306.50	1,226.00	3,371.50
39				31-60 miles	317.50	317.50	635.00	317.50	317.50	317.50	317.50	317.50	1,587.50	317.50	317.50	317.50	317.50	1,270.00	3,492.50
40				60+ miles	331.50	331.50	663.00	331.50	331.50	331.50	331.50	331.50	1,657.50	331.50	331.50	331.50	331.50	1,326.00	3,646.50
41	**C&D** - C&D debris removal from waterway and transport for a prescribed distance from offload to final disposal site	CY per mileage intervals	10,001 - 25,000 CY	0-15 miles	283.00	283.00	566.00	283.00	283.00	283.00	283.00	283.00	1,415.00	283.00	283.00	283.00	283.00	1,132.00	3,113.00
42				16-30 miles	291.00	291.00	582.00	291.00	291.00	291.00	291.00	291.00	1,455.00	291.00	291.00	291.00	291.00	1,164.00	3,201.00
43				31-60 miles	302.00	302.00	604.00	302.00	302.00	302.00	302.00	302.00	1,510.00	302.00	302.00	302.00	302.00	1,208.00	3,322.00
44				60+ miles	315.00	315.00	630.00	315.00	315.00	315.00	315.00	315.00	1,575.00	315.00	315.00	315.00	315.00	1,260.00	3,465.00
45	**C&D** - C&D debris removal from waterway and transport for a prescribed distance from offload to final disposal site	CY per mileage intervals	Above 25,000 CY	0-15 miles	268.00	268.00	536.00	268.00	268.00	268.00	268.00	268.00	1,340.00	268.00	268.00	268.00	268.00	1,072.00	2,948.00
46				16-30 miles	276.00	276.00	552.00	276.00	276.00	276.00	276.00	276.00	1,380.00	276.00	276.00	276.00	276.00	1,104.00	3,036.00
47				31-60 miles	286.00	286.00	572.00	286.00	286.00	286.00	286.00	286.00	1,430.00	286.00	286.00	286.00	286.00	1,144.00	3,146.00
48				60+ miles	299.00	299.00	598.00	299.00	299.00	299.00	299.00	299.00	1,495.00	299.00	299.00	299.00	299.00	1,196.00	3,289.00
49	**Transport of Reduced Vegatative and C&D Debris** from TDMA to final disposal site	CY per mileage intervals	1 - 10,000 CY	0-15 miles	21.00	21.00	42.00	21.00	21.00	21.00	21.00	21.00	105.00	21.00	21.00	21.00	21.00	84.00	231.00
50				16-30 miles	27.00	27.00	54.00	27.00	27.00	27.00	27.00	27.00	135.00	27.00	27.00	27.00	27.00	108.00	297.00
51				31-60 miles	37.00	37.00	74.00	37.00	37.00	37.00	37.00	37.00	185.00	37.00	37.00	37.00	37.00	148.00	407.00
52				60+ miles	53.00	53.00	106.00	53.00	53.00	53.00	53.00	53.00	265.00	53.00	53.00	53.00	53.00	212.00	583.00
53	**Transport of Reduced Vegatative and C&D Debris** from TDMA to final disposal site	CY per mileage intervals	10,001 - 25,000 CY	0-15 miles	20.00	20.00	40.00	20.00	20.00	20.00	20.00	20.00	100.00	20.00	20.00	20.00	20.00	80.00	220.00
54				16-30 miles	26.00	26.00	52.00	26.00	26.00	26.00	26.00	26.00	130.00	26.00	26.00	26.00	26.00	104.00	286.00
55				31-60 miles	36.00	36.00	72.00	36.00	36.00	36.00	36.00	36.00	180.00	36.00	36.00	36.00	36.00	144.00	396.00
56				60+ miles	52.00	52.00	104.00	52.00	52.00	52.00	52.00	52.00	260.00	52.00	52.00	52.00	52.00	208.00	572.00
57	**Transport of Reduced Vegatative and C&D Debris** from TDMA to final disposal site	CY per mileage intervals	Above 25,000 CY	0-15 miles	19.00	19.00	38.00	19.00	19.00	19.00	19.00	19.00	95.00	19.00	19.00	19.00	19.00	76.00	209.00
58				16-30 miles	25.00	25.00	50.00	25.00	25.00	25.00	25.00	25.00	125.00	25.00	25.00	25.00	25.00	100.00	275.00
59				31-60 miles	35.00	35.00	70.00	35.00	35.00	35.00	35.00	35.00	175.00	35.00	35.00	35.00	35.00	140.00	385.00
60				60+ miles	51.00	51.00	102.00	51.00	51.00	51.00	51.00	51.00	255.00	51.00	51.00	51.00	51.00	204.00	561.00

FINAL ATTACHMENT A - PRICE PROPOSAL FORM - DATED JANUARY 16, 2013

State of New Jersey - RFQ Waterway Debris Removal Services Pricing from CrowderGulf

Line #	Description	Units	Quantity Tier	Measure of Distance	ZONE 1 (A)	ZONE 2 (B)	REGION TOTAL (A)+(B)	ZONE 3 (C)	ZONE 4 (D)	ZONE 5 (E)	ZONE 6 (F)	ZONE 7 (G)	REGION TOTAL SUM (C) THRU (G)	ZONE 8 (H)	ZONE 9 (I)	ZONE 10 (J)	ZONE 11 (K)	REGION TOTAL SUM (H) THRU (K)	STATE TOTAL SUM (A) THRU (K)
61	**White Goods Removal** to final disposal site	Unit	1 - 100 Units	N/A	300.00	300.00	600.00	300.00	300.00	300.00	300.00	300.00	1,500.00	300.00	300.00	300.00	300.00	1,200.00	3,300.00
62	**White Goods Removal** to final disposal site	Unit	Above 100 Units	N/A	260.00	260.00	520.00	260.00	260.00	260.00	260.00	260.00	1,300.00	260.00	260.00	260.00	260.00	1,040.00	2,860.00
63	**Electronic Waste** - removal of "e-waste" that contains hazardous materials. Includes computer montors and televisions	Unit	1 - 100 Units	N/A	225.00	225.00	450.00	225.00	225.00	225.00	225.00	225.00	1,125.00	225.00	225.00	225.00	225.00	900.00	2,475.00
64	**Electronic Waste** - removal of "e-waste" that contains hazardous materials. Includes computer montors and televisions	Unit	Above 100 Units	N/A	200.00	200.00	400.00	200.00	200.00	200.00	200.00	200.00	1,000.00	200.00	200.00	200.00	200.00	800.00	2,200.00
65	**Freon Management** - freon management and recycling	Unit	1 - 100 Units	N/A	125.00	125.00	250.00	125.00	125.00	125.00	125.00	125.00	625.00	125.00	125.00	125.00	125.00	500.00	1,375.00
66	**Freon Management** - freon management and recycling	Unit	Above 100 Units	N/A	105.00	105.00	210.00	105.00	105.00	105.00	105.00	105.00	525.00	105.00	105.00	105.00	105.00	420.00	1,155.00
67	**Sand Collection** - removal of displaced sand from waterway	CY	1 - 50,000 CY	N/A	64.00	64.00	128.00	64.00	64.00	64.00	64.00	64.00	320.00	64.00	64.00	64.00	64.00	256.00	704.00
68	**Sand Collection** - removal of displaced sand from waterway	CY	50,001 - 100,000 CY	N/A	64.00	64.00	128.00	64.00	64.00	64.00	64.00	64.00	320.00	64.00	64.00	64.00	64.00	256.00	704.00
69	**Sand Collection** - removal of displaced sand from waterway	CY	Above 100,000 CY	N/A	62.00	62.00	124.00	62.00	62.00	62.00	62.00	62.00	310.00	62.00	62.00	62.00	62.00	248.00	682.00
70	**Uncontaminated Sand Transport** - screening of sand to restore to "beach quality", transport and rudimentary placement on beach, and proper disposal of screening byproducts	CY per mileage intervals	1 - 50,000 CY	0-15 miles	24.00	24.00	48.00	24.00	24.00	24.00	24.00	24.00	120.00	24.00	24.00	24.00	24.00	96.00	264.00
71				16-30 miles	29.00	29.00	58.00	29.00	29.00	29.00	29.00	29.00	145.00	29.00	29.00	29.00	29.00	116.00	319.00
72				31-60 miles	39.00	39.00	78.00	39.00	39.00	39.00	39.00	39.00	195.00	39.00	39.00	39.00	39.00	156.00	429.00
73				60+ miles	64.00	64.00	128.00	64.00	64.00	64.00	64.00	64.00	320.00	64.00	64.00	64.00	64.00	256.00	704.00
74	**Uncontaminated Sand Transport** - screening of sand to restore to "beach quality", transport and rudimentary placement on beach, and proper disposal of screening byproducts	CY per mileage intervals	50,001 - 100,00 CY	0-15 miles	23.00	23.00	46.00	23.00	23.00	23.00	23.00	23.00	115.00	23.00	23.00	23.00	23.00	92.00	253.00
75				16-30 miles	27.00	27.00	54.00	27.00	27.00	27.00	27.00	27.00	135.00	27.00	27.00	27.00	27.00	108.00	297.00
76				31-60 miles	37.00	37.00	74.00	37.00	37.00	37.00	37.00	37.00	185.00	37.00	37.00	37.00	37.00	148.00	407.00
77				60+ miles	62.00	62.00	124.00	62.00	62.00	62.00	62.00	62.00	310.00	62.00	62.00	62.00	62.00	248.00	682.00
78	**Uncontaminated Sand Transport** - screening of sand to restore to "beach quality", transport and rudimentary placement on beach, and proper disposal of screening byproducts	CY per mileage intervals	Above 100,000 CY	0-15 miles	22.00	22.00	44.00	22.00	22.00	22.00	22.00	22.00	110.00	22.00	22.00	22.00	22.00	88.00	242.00
79				16-30 miles	25.00	25.00	50.00	25.00	25.00	25.00	25.00	25.00	125.00	25.00	25.00	25.00	25.00	100.00	275.00
80				31-60 miles	35.00	35.00	70.00	35.00	35.00	35.00	35.00	35.00	175.00	35.00	35.00	35.00	35.00	140.00	385.00
81				60+ miles	60.00	60.00	120.00	60.00	60.00	60.00	60.00	60.00	300.00	60.00	60.00	60.00	60.00	240.00	660.00
82	**Contaminated Sand Transport and Disposal**- removal of contaminated sand and disposal at site to be determined by State	CY per mileage intervals	1 - 50,000 CY	0-15 miles	26.00	26.00	52.00	26.00	26.00	26.00	26.00	26.00	130.00	26.00	26.00	26.00	26.00	104.00	286.00
83				16-30 miles	31.00	31.00	62.00	31.00	31.00	31.00	31.00	31.00	155.00	31.00	31.00	31.00	31.00	124.00	341.00
84				31-60 miles	41.00	41.00	82.00	41.00	41.00	41.00	41.00	41.00	205.00	41.00	41.00	41.00	41.00	164.00	451.00
85				60+ miles	66.00	66.00	132.00	66.00	66.00	66.00	66.00	66.00	330.00	66.00	66.00	66.00	66.00	264.00	726.00
86	**Contaminated Sand Transport and Disposal**- removal of contaminated sand and disposal at site to be determined by State	CY per mileage intervals	50,001 - 100,00 CY	0-15 miles	25.00	25.00	50.00	25.00	25.00	25.00	25.00	25.00	125.00	25.00	25.00	25.00	25.00	100.00	275.00
87				16-30 miles	30.00	30.00	60.00	30.00	30.00	30.00	30.00	30.00	150.00	30.00	30.00	30.00	30.00	120.00	330.00
88				31-60 miles	40.00	40.00	80.00	40.00	40.00	40.00	40.00	40.00	200.00	40.00	40.00	40.00	40.00	160.00	440.00
89				60+ miles	64.00	64.00	128.00	64.00	64.00	64.00	64.00	64.00	320.00	64.00	64.00	64.00	64.00	256.00	704.00
90	**Contaminated Sand Transport and Disposal**- removal of contaminated sand and disposal at site to be determined by State	CY per mileage intervals	Above 100,000 CY	0-15 miles	24.00	24.00	48.00	24.00	24.00	24.00	24.00	24.00	120.00	24.00	24.00	24.00	24.00	96.00	264.00
91				16-30 miles	28.00	28.00	56.00	28.00	28.00	28.00	28.00	28.00	140.00	28.00	28.00	28.00	28.00	112.00	308.00
92				31-60 miles	38.00	38.00	76.00	38.00	38.00	38.00	38.00	38.00	190.00	38.00	38.00	38.00	38.00	152.00	418.00
93				60+ miles	62.00	62.00	124.00	62.00	62.00	62.00	62.00	62.00	310.00	62.00	62.00	62.00	62.00	248.00	682.00
94	**Vehicle Removal** - removal of vehicles from waterway and transport to aggregation site	Unit	1 - 10 Units	N/A	1,500.00	1,500.00	3,000.00	1,500.00	1,500.00	1,500.00	1,500.00	1,500.00	7,500.00	1,500.00	1,500.00	1,500.00	1,500.00	6,000.00	16,500.00
95	**Vehicle Removal** - removal of vehicles from waterway and transport to aggregation site	Unit	11 - 25 Units	N/A	1,500.00	1,500.00	3,000.00	1,500.00	1,500.00	1,500.00	1,500.00	1,500.00	7,500.00	1,500.00	1,500.00	1,500.00	1,500.00	6,000.00	16,500.00
96	**Vehicle Removal** - removal of vehicles from waterway and transport to aggregation site	Unit	Above 25 Units	N/A	1,400.00	1,400.00	2,800.00	1,400.00	1,400.00	1,400.00	1,400.00	1,400.00	7,000.00	1,400.00	1,400.00	1,400.00	1,400.00	5,600.00	15,400.00
97	**Vessel Removal** - removal of vessel from waterway and transport to aggregation site	Per Linear Foot	1 - 50 Vessels	0-19 feet	275.00	275.00	550.00	275.00	275.00	275.00	275.00	275.00	1,375.00	275.00	275.00	275.00	275.00	1,100.00	3,025.00
98				20-29 feet	350.00	350.00	700.00	350.00	350.00	350.00	350.00	350.00	1,750.00	350.00	350.00	350.00	350.00	1,400.00	3,850.00
99				30-39 feet	450.00	450.00	900.00	450.00	450.00	450.00	450.00	450.00	2,250.00	450.00	450.00	450.00	450.00	1,800.00	4,950.00
100				over 40 feet	800.00	800.00	1,600.00	800.00	800.00	800.00	800.00	800.00	4,000.00	800.00	800.00	800.00	800.00	3,200.00	8,800.00
101	**Vessel Removal** - removal of vessel from waterway and transport to aggregation site	Per Linear Foot	51 - 100 Vessels	0-19 feet	260.00	260.00	520.00	260.00	260.00	260.00	260.00	260.00	1,300.00	260.00	260.00	260.00	260.00	1,040.00	2,860.00
102				20-29 feet	335.00	335.00	670.00	335.00	335.00	335.00	335.00	335.00	1,675.00	335.00	335.00	335.00	335.00	1,340.00	3,685.00
103				30-39 feet	435.00	435.00	870.00	435.00	435.00	435.00	435.00	435.00	2,175.00	435.00	435.00	435.00	435.00	1,740.00	4,785.00
104				over 40 feet	785.00	785.00	1,570.00	785.00	785.00	785.00	785.00	785.00	3,925.00	785.00	785.00	785.00	785.00	3,140.00	8,635.00
105	**Vessel Removal** - removal of vessel from	Per Linear Foot	Above 100	0-19 feet	245.00	245.00	490.00	245.00	245.00	245.00	245.00	245.00	1,225.00	245.00	245.00	245.00	245.00	980.00	2,695.00
106				20-29 feet	320.00	320.00	640.00	320.00	320.00	320.00	320.00	320.00	1,600.00	320.00	320.00	320.00	320.00	1,280.00	3,520.00

FINAL ATTACHMENT A - PRICE PROPOSAL FORM - DATED JANUARY 16, 2013

State of New Jersey - RFQ Waterway Debris Removal Services Pricing from CrowderGulf

Line #	Description	Units	Quantity Tier	Measure of Distance	ZONE 1 (A)	ZONE 2 (B)	REGION TOTAL (A)+(B)	ZONE 3 (C)	ZONE 4 (D)	ZONE 5 (E)	ZONE 6 (F)	ZONE 7 (G)	REGION TOTAL SUM (C) THRU (G)	ZONE 8 (H)	ZONE 9 (I)	ZONE 10 (J)	ZONE 11 (K)	REGION TOTAL SUM (H) THRU (K)	STATE TOTAL SUM (A) THRU (K)
107	waterway and transport to aggregation site	Per Linear Foot	Vessels	30-39 feet	420.00	420.00	840.00	420.00	420.00	420.00	420.00	420.00	2,100.00	420.00	420.00	420.00	420.00	1,680.00	4,620.00
108				over 40 feet	770.00	770.00	1,540.00	770.00	770.00	770.00	770.00	770.00	3,850.00	770.00	770.00	770.00	770.00	3,080.00	8,470.00
109	**Pre-removal Assessment of Debris** - use of cost-effective technology, including side scan sonar to provide identification and assessment of debris locations	Price per acre		0-100 acres	200.00	200.00	400.00	200.00	200.00	200.00	200.00	200.00	1,000.00	200.00	200.00	200.00	200.00	800.00	2,200.00
110				101-300 acres	175.00	175.00	350.00	175.00	175.00	175.00	175.00	175.00	875.00	175.00	175.00	175.00	175.00	700.00	1,925.00
111				301-600 acres	150.00	150.00	300.00	150.00	150.00	150.00	150.00	150.00	750.00	150.00	150.00	150.00	150.00	600.00	1,650.00
112				601-1000 acres	125.00	125.00	250.00	125.00	125.00	125.00	125.00	125.00	625.00	125.00	125.00	125.00	125.00	500.00	1,375.00
113				1001 + acres	115.00	115.00	230.00	115.00	115.00	115.00	115.00	115.00	575.00	115.00	115.00	115.00	115.00	460.00	1,265.00
114	**Verification of Debris Removal** - use of cost-effective technology, including side scan sonar to provide verification to State that debris has been removed and waterway depth has been restored	Price per acre		0-100 acres	150.00	150.00	300.00	150.00	150.00	150.00	150.00	150.00	750.00	150.00	150.00	150.00	150.00	600.00	1,650.00
115				101-300 acres	120.00	120.00	240.00	120.00	120.00	120.00	120.00	120.00	600.00	120.00	120.00	120.00	120.00	480.00	1,320.00
116				301-600 acres	100.00	100.00	200.00	100.00	100.00	100.00	100.00	100.00	500.00	100.00	100.00	100.00	100.00	400.00	1,100.00
117				601-1000 acres	75.00	75.00	150.00	75.00	75.00	75.00	75.00	75.00	375.00	75.00	75.00	75.00	75.00	300.00	825.00
118				1001 + acres	50.00	50.00	100.00	50.00	50.00	50.00	50.00	50.00	250.00	50.00	50.00	50.00	50.00	200.00	550.00
119	**Operation of Vehicle/Vessel Aggregation Site** - operation of vehicle and vessel aggregation site, includes all phases of operation including tower equipment, security, staffing and restoration of site to pre-use condition	Per Day		Daily	6,000.00	6,000.00	12,000.00	6,000.00	6,000.00	6,000.00	6,000.00	6,000.00	30,000.00	6,000.00	6,000.00	6,000.00	6,000.00	24,000.00	66,000.00
120	**Operation of Temporary Debris Management Area**- operation of TDMA, includes all phases of operation, including tower equipment, security and staffing and restoration of site to pre-use condition	Per Day		Daily	6,000.00	6,000.00	12,000.00	6,000.00	6,000.00	6,000.00	6,000.00	6,000.00	30,000.00	6,000.00	6,000.00	6,000.00	6,000.00	24,000.00	66,000.00

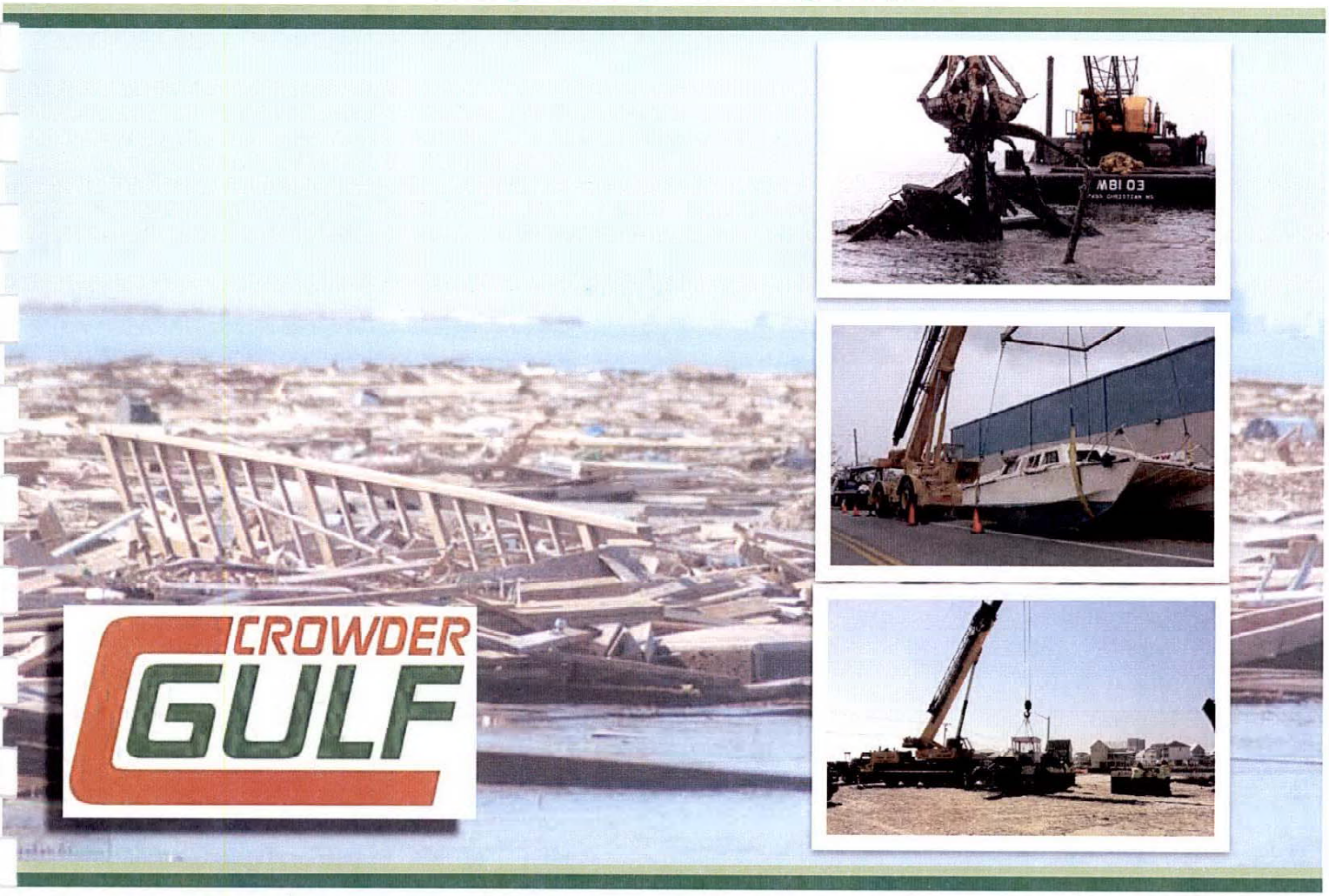
Total State Price is the single price that Bidder would offer, per price line, for all 11 zones in the State.

Original

State of New Jersey

RFQ - Technical Proposal
Waterway Debris Removal and Management Services

Friday, January 18, 2013 @ 3:00pm



Corporate Office
5435 Business Parkway
Theodore, Alabama 36582
800-992-6207 Phone
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www.crowdergulf.com

New Jersey Office
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Florham Park, NJ 07932

CrowderGulf is committed to protecting and preserving our environment.
As part of this effort, our proposal is printed on recycled paper.

CrowderGulf

Disaster Recovery & Debris Management

5435 Business Parkway
Theodore, Alabama 36582

Office: (800) 992-6207
Fax: [redacted]

January 16, 2013

Mr. Jonathan Wallace
Proposal Receiving Room – 9th Floor
Division of Purchase and Property
Department of Treasury
33 West State Street, P.O. Box 230
Trenton, NJ 08625-0230

Re: RFQ for Waterway Debris Removal Services

CrowderGulf is pleased to submit the enclosed proposal in response to the State of New Jersey's RFQ referenced above and in accordance with the terms and conditions set forth in that request. We understand and are experienced with all aspects of the scope of work for this RFQ.

For the purposes of this RFQ, CrowderGulf, a successful debris management company for over four decades, is proud to team with Matrix New World, based in Florham, New Jersey, and Weeks Marine, Inc., headquartered in Cranford, NJ.

CrowderGulf's successful work history is based on our integrity and the expertise of our experienced management. Our understanding of the necessity to utilize local companies with the same work philosophy has lead us to team with these two highly respected New Jersey business enterprises. **Matrix New World**, a woman-owned small business enterprise, brings to our management team full service environmental, geotechnical, and civil engineering services with many experienced, licensed professionals. **Weeks Marine, Inc.**, in business since 1919, is one of North America's largest providers of dredging services and the largest in the Gulf of Mexico, where two-thirds of all U.S. dredging occurs. The company moves more sediment annually than any other U.S. dredging contractor. Their Dredging Division is a major provider of maintenance dredging for navigation channels serving U.S. seaports. Their exceptional work history and reputation for excellence is well-known and respected in the industry.

During the past forty years, CrowderGulf has successfully managed over three hundred (300) debris clean-up operations in fourteen (14) states and has removed and disposed of over two hundred thirty million (230,000,000) cubic yards of debris. We have become a leader in the disaster debris industry for beach and waterway cleanup projects.

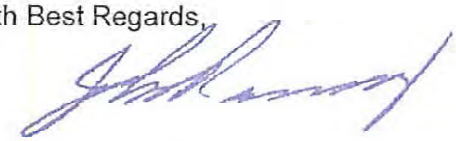
Since 2003, our work has involved removing disaster-related debris from waterways, using side scan sonar with many of these projects to efficiently locate and remove debris. We are also leaders in utilizing sand screening to clean and restore beaches. Since 2003, we have screened approximately two (2) million cubic yards of sand and restored multiple beaches to pristine condition across four Gulf Coast states.

The success of each of our team companies, CrowderGulf, Matrix, and Weeks Marine, Inc., is a testament to our ability to meet the scope of work established by the State of New Jersey. You will find our team fully knowledgeable in all aspects of waterway debris removal, dredging and sand screening, from operational methodology to quality control and FEMA public assistance reimbursements.

We acknowledge and are in receipt of Addendum 1 (including Revised RFQ, Bidders Checklist, Attachments, Pricing and Questions and Answers).

We greatly appreciate the opportunity to submit this proposal and we assure you that with the CrowderGulf / Matrix / Weeks Marine team's experience, equipment inventory, and financial resources, we will exceed the expectations of the State of New Jersey when awarded this waterway debris removal contract.

With Best Regards,



John Ramsay
President

CrowderGulf

Disaster Recovery & Debris Management

5435 Business Parkway
Theodore, Alabama 36582

Office: (800) 992-6207
Fax:

January 16, 2013

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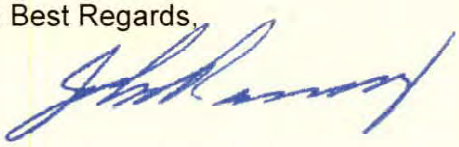
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We greatly appreciate the opportunity to submit this proposal and we assure you that with the CrowderGulf / Matrix / Weeks Marine team's experience, equipment inventory, and financial resources, we will exceed the expectations of the State of New Jersey when awarded this waterway debris removal contract.

With Best Regards,



John Ramsay
President

CROWDER GULF

MATRIXNEWORLD
Enabling Progress

WEEKS MARINE

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1.0 Technical Proposal

State of New Jersey

RFQ –Waterways Debris Removal Services

1.0 TECHNICAL PROPOSAL

Over the last ten years, CrowderGulf has established itself as one of the leading marine debris removal and disposal companies in the United States. Clients include such agencies as the Mississippi Department of Marine Resources, the Louisiana Department of Wildlife and Fisheries, Alabama Department of Transportation, U.S. Navy, BP Exploration, United States Coast Guard, and the Texas General Land Office (GLO), as well as numerous counties and local municipalities in several states.

CrowderGulf has conducted major waterway debris removal projects concurrently with major land debris removal, reduction and disposal operations after numerous disasters. Our experience and extensive resources, our commitment to quality professional work, and our work plan for each project has always allowed us to complete each project within our clients' timelines. CrowderGulf's marine debris removal capabilities include but are not limited to:

- An experienced labor pool for sustained shallow water/wetlands operations
- Trained, qualified sonar operators, managers and data processors/analysts
- Boat captains and operators experienced with our effective and proven methods of debris removal
- Experienced truckers with appropriate loading and hauling equipment to dispose of marine debris
- Accountability measures that give immediate confirmation of debris removal using sonar imagery and underwater video and photography
- Project documentation accepted by FEMA , U.S. Coast Guard and State Agencies

CrowderGulf is a nationally recognized disaster debris management firm with over forty (40) years experience in recovery operations. During that time, CrowderGulf has served as a successful prime contractor to successfully manage over three hundred (300) debris clean-up operations in fourteen (14) states and remove and dispose of over two hundred thirty million (230,000,000) cubic yards of debris. Since 2003, our work has involved removing over 100,000 cubic yards (cy) of disaster-related debris from waterways, using side scan sonar with many of these projects to efficiently locate and remove debris. We are also an industry leader in utilizing sand screening to clean and restore beaches. We have screened approximately 200,000,000 cy of sand and restored multiple beaches to pristine condition across four Gulf Coast states.

As a result, CrowderGulf has developed an outstanding management team, a vast cadre of regional and national subcontractors and an integrated systems approach to disaster recovery that is capable of addressing disaster debris removal, reduction and disposal projects from both land and waterways.

CrowderGulf understands the importance of teaming with local companies and local contractors for a successful operation. That is why we have teamed with **Matrix New World,** a respected and successful state registered woman-owned small business based in Florham, New Jersey, and **Weeks Marine, Inc.,** headquartered in Cranford, NJ, and considered one of the leading marine construction and dredging companies in the United States and Canada. These partnerships will assure the State of New Jersey a rapid and cost effective operation for this waterway contract. Letters of commitment from these companies may be found in **Appendix A** of this proposal.

During any debris project, the CrowderGulf team will also utilize the services of as many local qualified small business subcontractors as possible. We are committed to satisfying the contract's 25% Small Business Enterprise initiative and with our local teaming partner, **Matrix New World** and the utilization of other local subcontractors we are confident that we will exceed the state's expectations. Throughout the contract term, CrowderGulf is committed to making a concerted good faith effort to utilize local unions when applicable tasks are being performed.

CrowderGulf contracts have involved disaster debris work in all eligible areas identified in FEMA's Public Assistance Program, Category A. CrowderGulf is committed to completing every project in a minimum amount of time and in a safe, orderly, and practical manner. All disaster management work is completed in full regulatory compliance with all agencies involved in disaster recovery including the Federal Emergency Management Agency (FEMA), the Federal Highway Administration (FHWA), the Environmental Protection Agency (EPA), the United States Coast Guard (USCG), the United States Army Corps of Engineers (USACE), Occupational Safety and Health Administration (OSHA), U. S. Fish and Wildlife, the Department of Transportation, the New Jersey Division of Environmental Protection (NJDEP), the New Jersey Department of Health and other state and local agencies. This commitment to regulatory detail has earned CrowderGulf a reputation as a company of integrity, dependability and reliability.

All necessary licenses and permits will be obtained and maintained throughout the length of this contract. CrowderGulf is licensed to do business in the State of New Jersey and has applied for an A-901 license pursuant to the requirements of N.J.S.A. 13:1E-128, 133, and 135, and a certificate of public convenience and necessity pursuant to N.J.S.A. 48:13A-6.2. In addition, our local teaming partners, **Matrix** and **Weeks Marine**, will be fully licensed under the requirements of the State of New Jersey and all local municipalities.

CrowderGulf and our local partners, **Matrix New World and Weeks Marine,** are fully committed to providing the State of New Jersey with priority service, quality performance and expert on-site management. CrowderGulf's (1) human resources, (2) extensive equipment inventory, (3) financial capacity and (4) experienced subcontracting teams, allow the company to honor all contractual commitments with dispatch and efficiency and complete all projects within the contract timeframe. This includes the timeline of this contract for 75% of work completion by June 1, 2013. We are confident that we can meet or exceed this timeline, assuming that contract activation is not delayed.

We are fully prepared to implement the management structure outlined in the RFQ utilizing a Zone Operations Manager (ZOM) to work directly with the State Project Manager (SPM). Based on our disaster management experience we propose to have a Regional Operations Manager (ROM) for each Region. The ZOMs within each Region (South, Central, North) will report to the designated ROM. The ROM will report to the State Project Manager (SPM).

CrowderGulf is committed to working as a team with the State of New Jersey and their representatives to facilitate the requisite planning that will ensure a smooth operation of waterway debris removal and disposal, and sand reclamation.

2.0 Management Overview

2.0 MANAGEMENT OVERVIEW

CrowderGulf has encountered and successfully handled everything within the scope of work of the State of New Jersey's RFQ for Waterway Debris Removal Services in the RFQ, including waterways debris removal and disposal, managing temporary debris management sites, dredging, sand screening and relocation, vessel and vehicle removal, white goods removal and disposal, and hazardous materials handling . This also includes extensive experience working in environmentally sensitive areas and ensuring adequate precautions are taken not to disturb or damage these areas. The confidence that we can deliver services to the State effectively and efficiently is bred from our past successes and in our added strength of a partnership with **Matrix New World and Weeks Marine,** respected and successful local companies. The 'value-added' that these companies will provide is significant.

CrowderGulf has the financial, personnel and equipment resources to provide the management, planning, personnel and equipment to efficiently and effectively provide New Jersey quality waterway debris removal and all other related services identified in the RFQ scope of work. Over 98% of the contracted disaster work completed by CrowderGulf has been with governmental agencies that were reimbursed by FEMA. Consequently, we are very experienced with documentation required by FEMA and work diligently throughout the contract to make sure all work is properly documented and to support clients with all FEMA reimbursement requirements.

CrowderGulf shall conduct all waterway debris operations outlined in this proposal to meet the program standards provided for in the **FEMA 325 Debris Management Guide.** In addition, CrowderGulf will conduct all waterway debris operations in accordance with all applicable federal, state, and local laws, rules and/or regulations.

CrowderGulf, Matrix and Weeks Marine, Inc., have established solid-working relationships with numerous state emergency response agencies as well as other key agencies involved in disaster response and recovery that include the Federal Emergency Management Agency (FEMA),the U.S. Army Corps of Engineers (USACE) and the United States Coast Guard (USCG). These relationships, combined with the technical experience of such employees as Mr. Buddy Young and Mr. Gary Jones, afford the State the benefit of technical advice from very experienced debris management personnel. Mr. Young is CrowderGulf's Director of Operations and prior to joining CrowderGulf, he was the FEMA Region VI Director for eight years under James Lee Witt. Mr. Jones recently retired as FEMA Region VI Regional Director and is now serving as a technical advisor for CrowderGulf. Both Mr. Young and Mr. Jones will be available to the State throughout the contract for technical advice and assistance on all aspects of the project.

2.1 Removal of Waterway Debris

CrowderGulf's Operations Plan for waterway debris removal and associated projects is flexible and based on the unique needs in each project. We use the same principles with waterway work as we do on our land operations. We move trained and well-equipped crews into the affected area in the shortest time possible, and follow a disaster-specific work plan. This ensures that our personnel and equipment will be mobilized and in place to remove and dispose of debris in the most efficient and effective manner, with the least possible impact to citizens.

2.1.1 Debris Location and Identification (using Side Scan Sonar (SSS))

Prior to beginning the debris removal operation, each Zone will be assessed using side scan sonar and/or visual siting. This will provide a more efficient approach to remove all debris. The sonar equipment used for data acquisition is state of the art digital high resolution side-scan. The data is processed and analyzed using mosaic acoustic mapping software. All target or contact information processed can be in the hands of the ZOM within hours of collection, greatly speeding up the debris removal process.

2.1.1.1 Side Scan Sonar (SSS) Procedures

A chart study will be performed of the Zones to be surveyed and grid lines will be laid out using the mosaic software. Survey lines will be laid out on 75m (225ft) spacing, which ensures that there is sufficient overlap (approx. 5m) in the sonar image to accomplish 100% coverage.

All survey boats will be equipped with an auto-pilot to allow vessel operators to maintain straight and accurate survey lines. Onboard computers will display real-time boat position, direction, speed, and survey lines to ensure accurate and complete coverage. A sub-meter differential GPS will be used for navigation and sonar operations. Vessel captains are well-trained aware that they may encounter such objects as vessels, pilings, and large man-made structures . Survey vessels will pass as close to the object as safety permits and resume heading after passing the object.

Winds, tides, and currents will have an effect on the sonar vessels. During the winter months, the prevailing winds come from the North and low tides tend to become extremely low. Compensation will be made for such factors by tracking all extreme low tides and surveying these shoaled or low water areas at high tide.

The areas will be surveyed using a 600 kHz, tow-fish. Resolutions of 900khz and 1,800khz will also be available as needed. Experience surveying the shallow bays and coastal areas along the Gulf coast has proven that this unit consistently provides the best resolution. As the data is collected, notes will be made on known targets such as vegetative debris, vessels, pilings, and other man-made structures that are eligible storm debris. Data will be monitored during collection and any areas that experience incomplete or un-readable data will immediately be re-scanned.

As the data is collected, a mosaic of the area will be created and stored electronically. The sonar operator will be able to review previous data simultaneously while continuing to collect fresh data. This ensures 100% coverage. CrowderGulf data analysts will review data, identify and mark targets for crews to pickup.

Targets will be identified by size, type of debris, water depth, and GPS coordinates. The resolution of the data will be sufficient to identify 50cm diameter targets. All data will be corrected for slant range and layback. All data and reports will be verified by the Sonar Image Manager. Reports will identify single point targets as well as debris fields. Debris fields will be indicated by marking the geographic center of the field and giving approximate radius of the field. Single point targets will indicate the approximate center of the target, as well as type, and size.

Accuracy of GPS data is specified as approximately 3m (9ft), but our experience has shown it to be in the 1-3m (3-9ft) range. This has proven to be sufficient for debris removal operations.

In areas that cannot be scanned (i.e. sand bars, shoals, areas of aquatic vegetation, etc.), a visual inspection will be made. If the area is accessible by foot or flat bottom skiff then a hand held GPS will be used to mark targets and a written description will be provided as part of the data report. Our goal is to provide the State with the most complete data and information possible.

On a weekly basis or as requested, SSS reports will be provided to the State Project Manager (SPM) representative. Reports will be in a standard format to include an excel spreadsheet listing all target information, a data report that includes images of all targets, a mosaic to show total coverage at that time, and a written report on areas too shallow to sonar. All reports shall be delivered in Portable Document Form (PDF) and on a data device. Reports and documents will also be uploaded to CrowderGulf's secure website that the SOM and other State representatives may access with a password.

2.1.1.2 Equipment Available

The following company-owned electronic equipment will be utilized in sonar applications prior to debris removal:

- "Marine Sonic" "Centurion" Side Scan Sonar (SSS) Systems (digital high resolution Side Scan Sonar and 600KHZ tow fish)
- "Trimble SPS351" GPS Receivers
- "Chesapeake Technology, Inc" "SonarWiz.MAP" Mosaic Software

2.1.2 Debris Extraction and Storage Procedures

Crews and equipment will be mobilized based on the type of debris located by side scan sonar assessments as well as visual assessments conducted by our management team. The work plan will be developed and provided to the State Project Manager (SPM). While waterway assessments are being conducted, the Zone Operations Manager (ZOM) will manage the set up of off-loading sites, for any site previously identified and approved by the State. If Off-loading sites have not been previously identified, the ZOM, in coordination with our local partner, Matrix, will find and secure Off-loading sites. All sites shall be approved by the New Jersey Department of Environmental Protection (NJDEP) and the SPM before any development is initiated. Zones that have a great deal of debris (Priority Zones A and B) may require a Temporary Debris Management Area (TDMA) be set up. This will most likely require a larger land area than a smaller Off-loading site. All TDMA sites will be approved by SPM prior to development.

Zone crews will utilize the SSS target data for debris location and removal. Shallow draft, commercial shrimp/fishing vessels equipped with GPS navigation equipment, heavy duty drag bars and winches will be used to remove debris. When vessels are fully loaded, they will proceed to one of the established off-loading sites. When Off-loading site is a long distance away, debris may be transferred to a static anchored barge.

Specialized barges equipped with knuckleboom self loader arms and debris grapples may also be used to remove debris. These barges are un-motorized, and will be moved with a properly sized push boat. When full or at the end of the workday, the barge will be towed for unloading at the Off-loading site/Temporary Debris Management Areas (TDMA).

In Zones requiring heavy lifts, a barge mounted with track-hoe, or small crane with clamshell will be used. This barge will be un-motorized and pushed with a suitable sized tow/push boat. The barge will be equipped with all necessary safety equipment. Debris will be transported to a temporary staging area for separation. The debris may then be loaded on large capacity trucks and hauled to the approved landfill.

Hand laborers will be used in shallow water. Laborers will be equipped with hand rakes and/or hook poles to lift and pull debris from the water. These laborers will also gather small scattered debris. All hand labor will wear appropriate personal protective clothing. (Chain saws will be available to reduce oversize items to manageable size for manual removal).

Boats and barges will transport debris as necessary to the Off-loading sites/TDMA identified for each area. Boat crews will unload and separate the debris as the boats arrive. Boats will be unloaded by hand or machine as the debris dictates.

In a case where surface debris is accessible from land we will work with the SOM to obtain ROE (right of entry) permits from the appropriate land owners.

If needed, properly equipped, licensed and certified divers will be utilized for onsite verification of debris. Divers may be utilized for attaching winch cables/ropes to targets too large for debris nets. If needed, air lift bags may be used for sunken vessels and other large objects.

GULF Verification of Waterway Debris Removal Form Zone_____

Date	Pre-Removal Water Depth	GIS Coordinates of Debris	Debris Type	Volume CY	Removal Method	Disposition	Post-Removal Water Depth	Signature

Verification of Waterway Debris Removal Form captures additional required information:

- Pre-Removal water depth
- GIS Coordinates
- Type of debris
- Volume of debris
- Method of removal
- Date of removal
- Disposition of debris
- Post-removal water depth

2.1.2.1 Equipment Available

The following company-owned equipment will be utilized in sonaring prior to debris removal:

Vessels*

- Shallow draft barges equipped with knuckleboom loaders, GPS, marine radios/telephones and required safety equipment.
- Shallow draft, commercial shrimp/fishing boats equipped with winches, towing gear, heavy duty drag bars with debris hooks, GPS tracker/plotters, Radio/telephone and Safety equipment.
- Small push and tow boats 30 – 800 HP equipped with GPS devices, radio/telephone and all required safety equipment.
- Command and control/quality control, shallow draft recreational boats with tilt trim outboard motors equipped with GPS tracker/plotters, radio/telephone and safety equipment.
- Barges with cranes and trackhoes.
- Flat deck barges
- 400-800 hp push boats
- Marsh buggy mounted track-hoes. This machine will be motorized and be of the type traditionally used in these types of marshes.

** All boats are properly licensed and USCG inspected*

Heavy Equipment

- Versa-handler, Generally CAT TH63 series or equivalent, fitted with high flotation tires, debris grapple and bucket.
- Skid steer loader, Generally CAT 600 series or equivalent, fitted with low impact rubberized tracks, debris grapple and rake/bucket.
- Wheeled Loader, Generally JD 544 or 644 series or equivalent, fitted with high flotation tires, debris grapple and rake.

All equipment and boats will be transported on the road by truck and trailer. All heavy hauling will be performed utilizing properly licensed and permitted drop-deck lowboy trucks. All equipment operators will be properly trained and certified competent. All vehicle operators are properly licensed and trained in use of specialized equipment.

2.1.2.2 Debris Types

The list below is descriptive of the eligible debris types anticipated to be removed as a result of this contract.

- Vegetative Debris
- Construction and Demolition Debris (C&D)
- Aggregate
- Scrap Metal
- Orphaned tanks, shipping containers and dumpsters
- Weapons, ammunition and explosives
- White Goods/Household Appliances
- *CrowderGulf will follow all federal, state, and local requirements concerning ozone-depleting refrigerants, mercury and oils when preparing white goods for disposal or recycling.*
- Hazardous Wastes
- *CrowderGulf works in conjunction with all federal, state and local regulatory agencies and strictly follows all regulatory guidance*
- Vehicles, Vessels, or other motorized equipment
- *When removing vehicles and vessels, CrowderGulf will follow all appropriate hazard abatement laws, coordinate with the requirements of the marine and harbor patrol agencies, and comply with local laws governing navigational vessels.*
- Human Remains
- *If human remains are suspected, all work will stop in the area and the SPM and appropriate authorities will be notified immediately. Work will resume only when given notification by SPM.*

2.1.2.3 Temporary Debris Management Areas (TDMAs)

CrowderGulf has vast experience with selecting, developing, managing and operating Temporary Debris Management Areas. We are committed to efficient and safe TDMA operations and require all personnel to be vigilant in using safe practices at all times.

2.1.2.3.1 TDMA Site Plan

Should a TDMA be needed at any of the Zones, a TDMA Plan will be prepared to a scale of 1" = 50'. The TDMA Plan will be in full compliance with all FEMA 325, state and local requirements. It will include such functions as:

- Access to the site, site preparation (clearing, erosion control, and grading), traffic control patterns, site security/ safety and segregation of debris storage areas;

- Location of specific areas for: hazardous material containment, inspection tower, reduction areas if needed, existing structures or sensitive areas requiring protection, Household Hazardous Waste (HHW) or Hazardous, Toxic and Radioactive Waste (HTRW) storage, and sanitation facilities.
- Detailed list of all equipment used onsite.

2.1.2.3.2 Inspection Towers

CrowderGulf shall construct a minimum of one inspection tower at each site adjacent to the roadway. A minimum of one exit lane for all trucks to use will be visible from a tower. This allows for checking truck beds before exiting, ensuring that they are completely empty. The Inspection tower site location will provide a .25 mile to .5-mile approach outside the public road system to accommodate any truck back up. All towers will be OSHA and FEMA compliant and will be capable of seating a minimum of 3 inspectors each. Towers will be removed at the completion of the project or when the site is no longer in need.

2.1.2.3.3 Hazardous Materials Containment Area

In accord with FEMA 325 specifications, CrowderGulf will construct an area designed for the temporary storage and confinement of hazardous material. Material deposited into this facility will be inventoried and stabilized. Any leaking containers will be placed in "over pack drums".

A well-marked, defined and enforced NO SMOKING area will be established within 200 feet of this area. Minimum Design Criteria for the Hazardous Materials Containment Area will be 30' X 30' in size. The perimeter will be lined with hay bales staked in place and a waterproof liner or plastic ground protection cover along with a rain and snow cover will be used to protect the entire area.

2.1.2.3.4 Specialty Debris

CrowderGulf's supervisory personnel are experienced in identifying and assessing potential problems imposed by specialty debris including **abandoned vehicles and vessels, wet marine debris, white goods and electronic wastes, hazardous materials and waste, bio-hazardous wastes, dead animals, and hazardous trees and stumps.** As mentioned above, CrowderGulf works in conjunction with all federal, state and local regulatory agencies and strictly follows all regulatory guidance.

2.1.2.3.5 Site Closure and Restoration

Upon completion of debris reduction operations, all TDMAs will be restored to as good as or better than pre-existing conditions. All equipment, inspection towers, and any other temporary buildings will be removed. Soil and/or ground water will be tested for contaminates (if required). All storage areas and roads will be returned to pre-existing grade. All disturbed areas will be turned by disc and seeded with appropriate grass species and watered if necessary. A final site inspection will be conducted by State authorities and any discrepancies will be corrected.

2.2 Debris Hauling

Collected debris shall be sorted into non-hazardous waste, appliances (white goods), electronic waste (e-waste), household hazardous waste, and other hazardous waste (tanks and drums) and placed into separate, transportable containers suitable for over-the-road transportation of hazardous and nonhazardous waste. All debris will be contained or enclosed to prevent leaking, spilling, or loss of debris, liquids, or dusts during overland transport. These processes will be accomplished by personnel with appropriate training and under applicable local, state and federal regulations.

2.2.1 Equipment

Trucks for transporting debris to final disposal

- Self loader trucks, equipped with a knuckle boom loader and debris grapple, capable of hauling 20-115 cubic yards of debris, roll off trucks and 20 - 40 cubic yard roll off containers.
- Boom truck, Equipped with and extendible boom arm and cable capable of 60' reach and lift at extension of 4000lbs.
- Light trucks and utility trailers, personal and corporate vehicles used for labor transport, quality control, and management.
- Roll back trucks to transport containers from landing sites to various final disposal sites.

2.2.2 Documentation for Debris Hauling

Accurate completion of quantitative and descriptive data is imperative to the State for cost reimbursement requests from FEMA. In an effort to maximize accuracy of accounting for debris hauling, CrowderGulf utilizes the proven system of project controls for truck certification and debris load tickets. These controls include the following:

Truck Certification

All debris hauling trucks will be certified in accordance with FEMA 325 regulations. Part of the certification procedures include truck safety checks. Any trucks not meeting the safety requirements will not be certified until infractions are remedied. Documentation procedures include:

- Measuring the interior dimensions of all debris hauling truck beds, to determine the measured cubic yard capacity.
- Safety requirements check is part of the certification process.
- The State representative, CrowderGulf and the debris hauler will each retain a copy of the completed *Truck Certification Form.* The form may look different if electronic ticketing is used but will provide the same information.
- Truck information from the Truck Certification Form will be entered into our database program.
- All loads hauled by truck will be tracked in the database.
- A Cubic Yard Capacity Certification Log will be printed after all of the truck data has been entered. The log is used in the field as a quality control tool.
- All tower inspectors will be provided with a current *Capacity Certification Log* to ensure that the integrity of the documented physical structure of each truck has not been altered in any manner that would adjust the measured cubic yard capacity of the truck bed.
- All equipment will be affixed with signs or markings indicating the Owner's name and equipment identification number, the cubic yard capacity of the debris hauling truck.
- All trucks and containers utilized to transport or collect solid waste will display a valid A-901 decal.

Debris Load Tickets

A debris ticket will be written by the State's representatives for each load of debris hauled. All tickets will be tracked in our database and reports will be provided to the State on a regular basis. Reports and all associated documentation will be available to the State and its representatives on CrowderGulf's secure website. Ticket documentation procedures include the following:

- Completion of a five part *Debris Load Ticket* for each truckload of debris serves as a check and balance tool for the debris documentation.
- State representative(s) at the loading site(s) will inspect each loaded truck, legibly and accurately record the required data on the ticket, and provide the debris hauler with all ticket copies to take to the staging/disposal site.

- When electronic ticketing is used, the load information will be provided in a different form similar to a paper ticket and the information captured will be the equivalent of what is written on the paper ticket. The accuracy of truck information and the load location is increased with electronic ticketing because the GPS coordinates are recorded.
- State representative(s) at the staging/disposal site(s) inspection tower will take the ticket from the driver and complete the quantitative data (CY) for the load of debris. If loads are being recorded in tons, the trucks will cross the weight scales entering and leaving the DMS. This allows the gross weight and the net weight of the truck to be recorded. The difference between the two weights will yield the TARE weight, which is the weight of the load of debris.
- State representative(s) retains the original paper ticket and provides a copy to the truck driver and to CrowderGulf representative in the tower.
- CrowderGulf representative collects load ticket copies at the end of each day and takes them to the field office for quality control and scanning to the main office.
- Field office personnel upload scanned tickets and documents to CrowderGulf's secure web site where they are downloaded by home office personnel and entered into our database.
- When electronic ticketing is used, real time data will be available to CrowderGulf and the State via the web. The data is downloaded from the website directly into our database or excel spreadsheet.

Reports and Information Accessibility

At a minimum, the following reports will be provided to the State:

- Daily and weekly reports of material hauled, number of loads hauled, total cubic yards hauled, total cubic yards hauled by debris type, total cubic yards hauled to TDMAs
- Load location of each load hauled as reported on load ticket
- Other customized reports as requested

Reports may be provided in Excel format, Access report format, Word report format or PDF format. State, County and Municipal personnel will use a password to log on to CrowderGulf's secure website and access daily and weekly progress reports and other documentation requested. Access to all load tickets and truck certifications will also be available.

2.3 Debris Disposal

All debris, including any reduced debris, will be disposed of in landfills as approved by the State and in keeping with all federal, state, and local laws. Dumping sites, temporary debris management areas (TMDA), and Off-loading sites will be identified by CrowderGulf and approved by the State.

2.3.1 Asbestos Containing Materials

CrowderGulf is experienced and capable of managing the removal of asbestos containing material. If asbestos is encountered during a recovery effort for the State, CrowderGulf will utilize abatement in accordance with Environmental Protection Agency (EPA) requirements, specifically the National Emission Standards for Hazardous Air Pollutants (NESHAP) 40 CFR Part 61, Subpart M.

2.3.2 Hazardous Waste Handling

Hazardous material will be sorted and properly stored at the loading sites. Daily dump receipts will be provided along with hazardous waste manifests. Waste will be packed in 55 gallon over-pack drums and taken to the State approved hazardous waste landfill.

2.4 Vessel And Vehicle Storage And Reporting

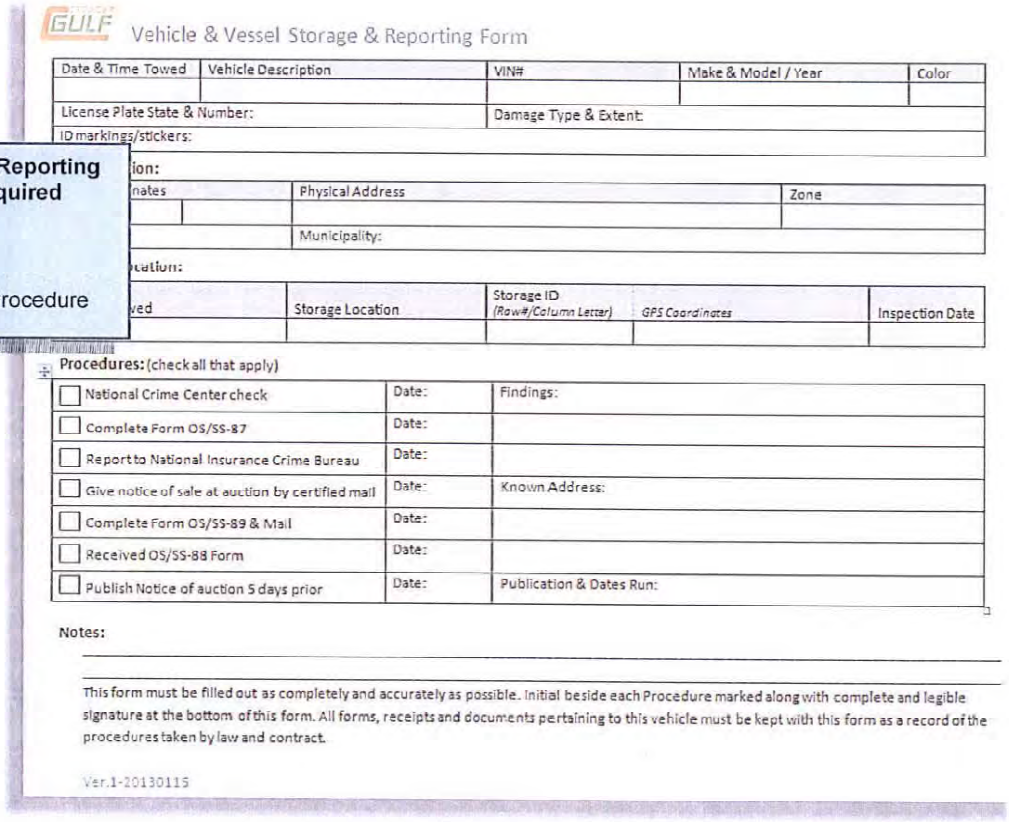
CrowderGulf will coordinate with the State to identify an adequate site for vehicle and vessel aggregation. The aggregation site will be developed with the following:

- Proper road front signage for site identification to Insurance Adjusters, Lien Holders, and property owners.
- Perimeter Fencing
- Utilities (Lights for 24 hour operation)
- Portable Office facility
- Site Security
- Observation Towers
- Proper signage for inventory categorization system (alphabet and numbering system for each row and item)
- Necessary equipment for off-loading and loading vehicles and vessels
- Fire Prevention and extinguishing equipment will be provided in accordance with Federal, State and Local fire prevention regulations
- Upon site selection, a safety risk assessment shall be conducted and all necessary site safety policies and procedures will be established and implemented.

CrowderGulf will be in full compliance with all statutory provisions directed by the Motor Vehicle Commission, New Jersey Statutes 39:10A thru 39:10A-10 (2010) and the Abandoned or Sunken Vessels Disposition Law, 12:7C-7. Site management staff will follow strict time lines for proper notification to governing agencies, property owners and public advertisement mandates. Each vehicle and vessel will be inventoried by its vehicle identification number or vessel documentation number, make, model and tag number and photographed. All documentation will be recorded electronically using CrowderGulf's Vehicle Storage & Reporting Form.

Vehicle & Vessel Storage & Reporting Form captures additional required information:

- Date & Time Towed
- Location Towed From
- Other Checks of Required Procedure



GULF Vehicle & Vessel Storage & Reporting Form

Date & Time Towed	Vehicle Description	VIN#	Make & Model / Year	Color

License Plate State & Number:	Damage Type & Extent:
ID markings/stickers:	

ion:

nates		Physical Address	Zone
		Municipality:	

cation:

ved	Storage Location	Storage ID (Row#/Column Letter)	GPS Coordinates	Inspection Date

Procedures: (check all that apply)

☐ National Crime Center check	Date:	Findings:
☐ Complete Form OS/SS-87	Date:	
☐ Report to National Insurance Crime Bureau	Date:	
☐ Give notice of sale at auction by certified mail	Date:	Known Address:
☐ Complete Form OS/SS-89 & Mail	Date:	
☐ Received OS/SS-88 Form	Date:	
☐ Publish Notice of auction 5 days prior	Date:	Publication & Dates Run:

Notes:

This form must be filled out as completely and accurately as possible. Initial beside each Procedure marked along with complete and legible signature at the bottom of this form. All forms, receipts and documents pertaining to this vehicle must be kept with this form as a record of the procedures taken by law and contract.

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CrowderGulf will collect and process all necessary forms and collect all applicable fees, including the costs of recovery, transport and storage prior to releasing the vehicle or vessel to it's authorized agent/owner. All completed documentation will accompany the reconciled bill to the State.

2.5 Hours Of Operation

Debris will be collected and loaded during visible daylight hours (dawn to dusk) seven (7) days per week. Vehicle and Vessel Aggregation sites will be operational during visible daylight hours (dawn to dusk) seven (7) days per week. If necessary, the vehicle and vessel aggregation sites will be prepared to operate and receive vehicles and vessels 24/7, as may be required by the State.

2.6 Communications System

CrowderGulf will establish a self-sufficient Mobile Command Center, with full **communications capability,** in the project area or zone and dedicate it solely to the debris recovery effort. Staff in the communications center will have the responsibility of monitoring the established communications channel to enhance and ensure communications capability and connectivity.

The Command Center contains the following:

- *Two gas powered generators that supply power*
- *Multiple work stations with LCD computer/TV monitors*
- *A conference room with a large table and a 42" plasma monitor/TV*
- *Two satellite TV receivers*
- *Weather Station*
- *VSAT for broadband internet and VoIP lines*
- *TV/copier/fax/scanner*
- *VHF Marine Radios*



The Command Center, or field office, will operational at the commencement of operations CrowderGulf's zone management team, all supervisory personnel, and crew foremen will use company UHF/VHF mounted and handheld radios, and cellular phones. All drivers and subcontractor supervisory personnel will be required to have company radios and telephones in their vehicles. All boats will be equipped with VHF mounted radios as required by the US Coast Guard.

2.7 Quality Control

The CrowderGulf quality control plan will provide the linkage for executives, managers and supervisors to accomplish the mission of CrowderGulf in an atmosphere of exceptional productivity, while following all rules and regulations governing Occupational Safety and Health Standards (OSHA) as published by the Department of Labor.

2.7.1 Security

CrowderGulf will restrict general access to its vessels, equipment and operational sites to essential company and State personnel for reasons of both security and safety. Managers and supervisors will be granted access to a site(s) based upon their duties, responsibilities and spans of control.

2.7.2 Knowledge and Training

CrowderGulf's Quality Control Manager will conduct briefings and de-briefings no less than once a day for the ZOMs and crews. Organizational and functional relationships will be thoroughly reviewed with supervisory personnel. To the greatest extent possible, CrowderGulf employs marine debris-experienced equipment operators, foreman, supervisors, and subcontractors. In accordance with these established practices, CrowderGulf supervisors will evaluate the knowledge and debris experience of each operator and subordinate employees, regarding the specifics of his or her assigned tasks, to determine if the employee requires additional training.

2.8 Health And Safety

2.8.1 CrowderGulf's Philosophy of Safety

All company operations are managed with an aggressive and proactive commitment to the safety and well being of employees, subcontractors and the public at large. We believe that this commitment to safety must go hand-in-hand with our commitment to quality production, and cost efficiency. The company believes that ALL injuries and accidents are preventable through the establishment of and compliance with safe work procedures. Therefore, the prevention of bodily injury and the safeguarding of health are the first considerations in all workplace actions and are the responsibility of every employee and subcontractor at all levels.

2.8.2 CrowderGulf's On-Site Safety Plan

The CrowderGulf Accident Prevention Plan (APP) and Site Safety and Health Plans (SSHP) for the State shall include the following commitments:

- Maintaining a safety and health program that meets the requirements of OHSA and all applicable laws.
- Equipping employees and subcontractors with the required safety equipment, hard hats, clothing, and other safety materials necessary to perform specific work tasks.
- Preparing an Accident Prevention Plan (APP) and Site Safety and Health Plans (SSHP) to inventory and address specific work hazards.
- Providing employees and subcontractors with continuing safety and health training necessary to enable that they perform their work in a safe manner.
- Assuring that at no time, while on duty, employees or subcontractors are under the influence of alcohol, narcotics, intoxicants or mind-altering substances. Violations of this policy may result in immediate dismissal.
- Assuring that employees and subcontractors be required to immediately report all accidents, injuries, and "near misses" to their supervisor.
- Conducting safety meetings to review past activities, plan for new or changed operations, review hazard analyses and establish safe working procedures.
- Assuring that all associates, regardless of position, know that they have the right to "Stop the Job" in the event of a site safety deficiency.
- Conducting Job Hazard Analyses (JHA) to define the activities being performed, the sequences of work, the specific hazards anticipated, and the control measures to be implemented to eliminate or reduce each hazard to an acceptable level.

A list of local Hospitals, Police Stations, and Fire/Emergency Response Stations will be provided as part of the Safety Plan after project activation.

2.9 Environmental And Historic Protection

CrowderGulf is committed to unequivocal protection of the environment at all work sites and surrounding areas. Employees with duties partially or indirectly applicable to environmental protection will have those duties evaluated daily, whether relating to noise, smoke, dust, traffic, drainage, general containment actions or containment actions specifically related to hazardous materials. CrowderGulf will conduct all debris operations outlined in this proposal to meet the program standards provided for in the **FEMA 325 Debris Management Guide** and in accordance with all applicable federal, state, and local laws, rules and/or regulations.

2.9.1 Regulatory Permits and Compliance

CrowderGulf will ensure all applicable permits are obtained before work is started. We work in full regulatory compliance with all agencies involved in disaster recovery including, but not limited to:

- Federal Emergency Management Agency (FEMA)
- Federal Highway Administration (FHWA)
- Environmental Protection Agency (EPA)
- United States Coast Guard (USCG)
- United States Army Corps of Engineers (USACE)
- New Jersey Department of Environmental Protection (NJDEP)
- National Emissions Standards for Hazardous Air Pollutants (NESHAP)
- New Jersey Emergency Management Agency (NJEMA)
- New Jersey Motor Vehicle Commission(NJMVC)
- New Jersey Department of Health
- New Jersey Department of Transportation

2.9.2 Environmental and Historic Considerations

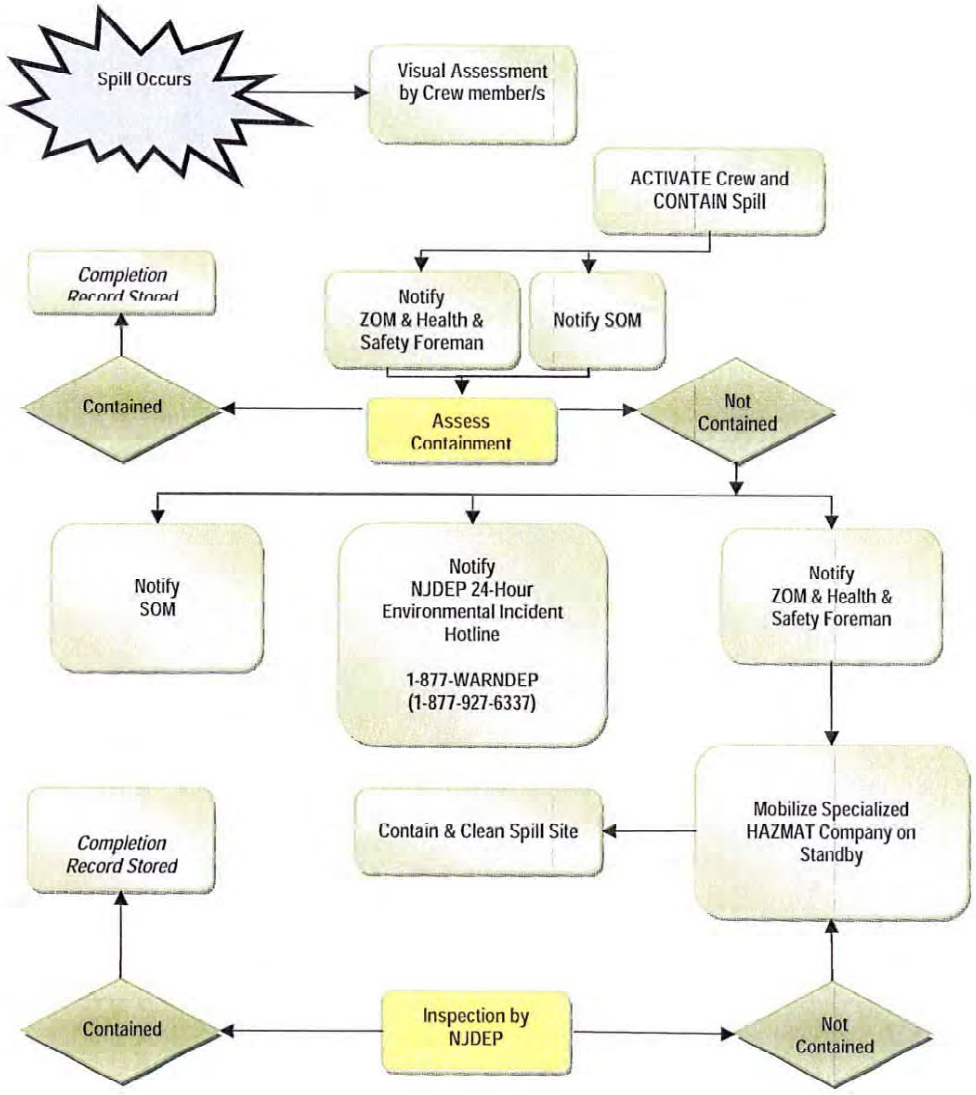
State and local regulations, laws, and ordinances will be addressed and followed for all environmental and historic preservation issues. The following list provides a brief review of the primary Federal laws which must be considered during debris management practices.

- National Environmental Policy Act
- Clean Water Act
- Clean Air Act
- Coastal Barrier Resources Act
- Resource Conservation and Recovery Act
- Endangered Species Act
- Coastal Zone Management Act
- Fish and Wildlife Coordination Act
- Wild and Scenic Rivers Act
- Executive Orders
- National Historic Preservation Act

2.9.3 Spills or Leaks

Should a spill or leak occur during performance of this contract, CrowderGulf will immediately report the incident to the State and other appropriate agencies. CrowderGulf shall be responsible for cleaning up all spills at no cost to the State or other government entities in compliance with federal, state, and local laws and regulations. All CrowderGulf vessel activities will be supported by land based pollution response equipment. Hard boom and sorbent boom will be stored in trailers, and will be staged near the work areas. In each area a shore based logistics person will be available to transport absorbent material sufficient to cover any potential

spill to the nearest landing. The following flow chart depicts the decisions and procedures followed when a spill occurs.



2.9.6 Archaeological/ Historical Sites

Archaeological and Historical Sites will be identified in consultation with the New Jersey State Historical Commission for archeological sites eligible for the National Register of Historic Places. Sites will be identified and located using GPS coordinates which will be noted on appropriate maps. Maps will be issued to site managers within their area of operation to guarantee that such sites are avoided and not disturbed or damaged during project operations. An area around an identified site will be designated as a buffer zone and all activities in this zone will be closely monitored by the site supervisor and observers.

All potential wrecks and archaeological features observed in the sonar record shall be investigated prior to removal. Any archeological/historical wreck identified will be examined by diver and any debris, specifically snagged nets attached to the object, will be removed. These sub surface free-floating nets are a hazard to all aquatic life.

2.9.7 Environmentally Sensitive Areas (ESAs)

Work in Environmentally Sensitive Areas (ESAs), as identified by the State, will be conducted in a manner that minimizes impacts to natural resources in accordance with any applicable Army Corps of Engineers permit. During removal operations, all debris removal actions shall be coordinated with federal and state natural resource trustees to minimize the impact to natural, historical, or cultural resources.

2.9.8 Repairing Damaged Areas

CrowderGulf will repair all areas damaged by its vessels, vehicles, and equipment to meet the appearance of the surrounding area.

2.10 Sand Reclamation

2.10.1 Dredging

All dredging work conducted by CrowderGulf and its partner Weeks Marine, Inc. will be in full compliance with State, federal and local laws and regulations. We will work closely with State officials including State of New Jersey Environmental Protection Agency and utilize Best Management Practices (BMP) as appropriate and as referenced in The Management and Regulation of Dredging Activities and Dredged Material in New Jersey's Tidal Waters.

CrowderGulf is proud to team with **Weeks Marine, Inc**. for this aspect of the contract work. **Weeks** is one of North America's largest providers of dredging services and the largest in the Gulf of Mexico, where two-thirds of all U.S. dredging occurs. The company moves more sediment annually than any other U.S. dredging contractor. Their Dredging Division is a major provider of maintenance dredging for navigation channels serving U.S. seaports. Their experience and reputation speaks for itself. A sampling of their past experience can be found in **Appendix C** of this proposal.

2.10.2 Sand Screening and Replacement

CrowderGulf is fully experienced with all aspects of sand screening and beach restoration. The Company has the capacity to remove, collect and stockpile displaced sand, prior to screening it with a Beach Master Mobile Screen or a stationary power screen. The clean sand will then be available for replacement as approved by the State and regulatory agencies. Our past performance charts found in **Section 8.3** of this proposal provides information on numerous sand screening projects CrowderGulf successfully completed and provides references for each of the projects.

2.11 Documentation And Reimbursement

Financial accountability will be maintained throughout the process by using a system of checks and balances that are tied directly to the quantitative documentation originated in the field by CrowderGulf's personnel and the State's debris monitors. Throughout the project, **FEMA 325** requirements will be followed and will serve as the foundation of our documentation/accounting systems. CrowderGulf utilizes technologies for data collection and storage and will easily adapt procedures to accommodate all State requirements.

CrowderGulf will provide documentation of debris removal and the identification of debris by type and amount removed as well as post-debris removal documentation. Such documentation will include but not be limited to the following:

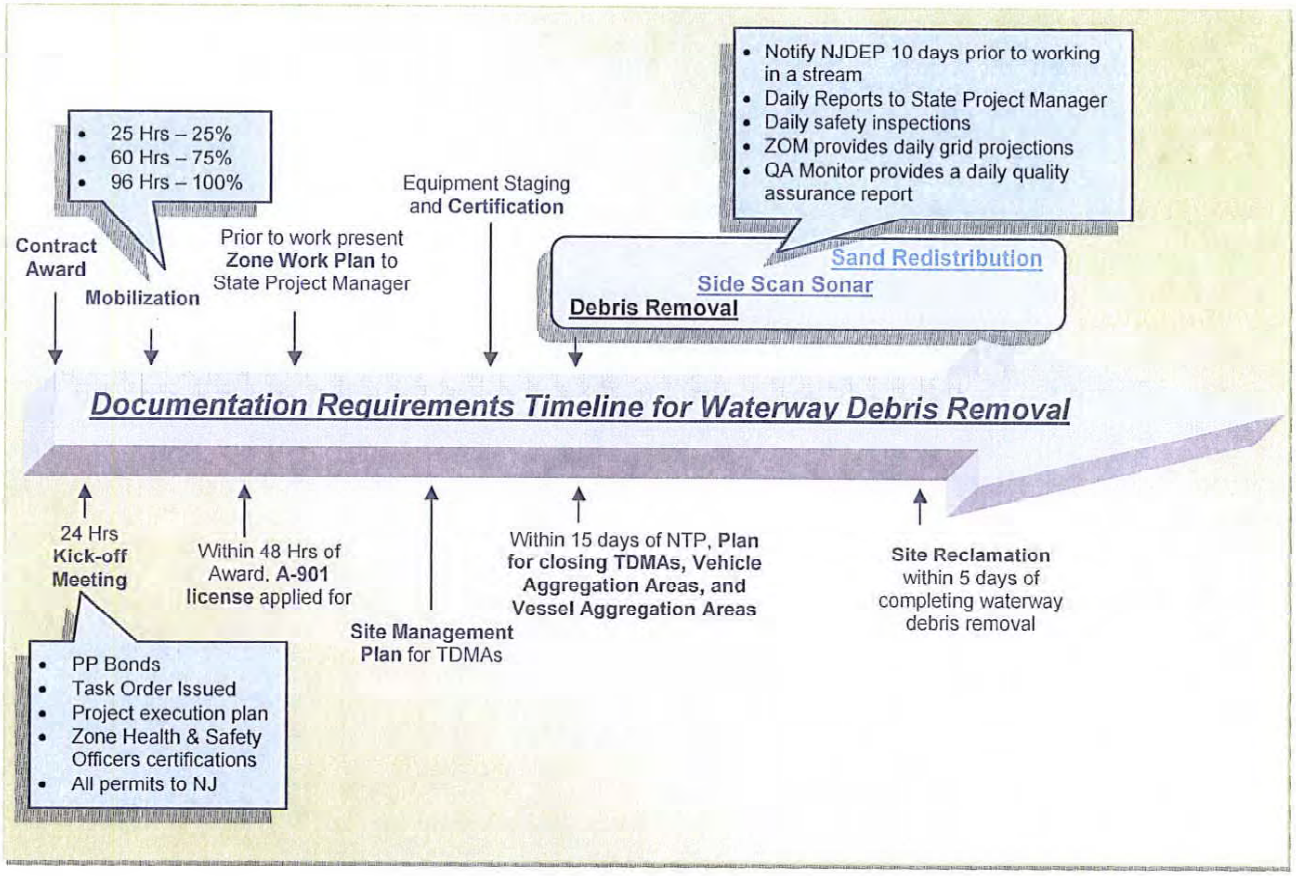
- Debris Assessment and Debris removal from waterway:
  - photographs and side scan sonar images
  - types and volume of debris found
  - dates and methods of debris removal
  - GPS track line of boats conducting pick up operations for debris
  - GIS coordinates of debris fields
  - documentation of latitude and longitude of removed items
  - pre-removal water depth

- Debris hauled to final disposal site:
  - truck certifications for all hauling trucks
  - load tickets for each load of debris hauled to final disposal site
  - If appropriate, weight tickets from final disposal site for each load (weight ticket should be kept with the load ticket for specific load)
  - tickets for Freon removal and disposal tickets for white goods
  - tickets for all recycled debris including receipts for any payment which will be provided to the State

- Final Verification of debris removed from waterways
  - post-removal water depth
  - GIS coordinates of debris fields
  - types and volume of debris found
  - dates and methods of debris removal

All documentation will be provided and stored both electronically and as hard copies for the State and their representatives. Daily and weekly reports will be provided to the SPM and other State personnel on CrowderGulf's secure website. In addition, all documentation will be scanned, organized and made available on the secure website. Documents will be stored for a minimum of five (5) years and a maximum of ten (10) years.

Documentation requirements for the waterway removal project include multiple documents throughout the contract, from the beginning kick-off meeting and continuing until the end of the operation. All of these documents are important in the FEMA reimbursement process and must be accurate and complete. The chart below provides a timeline for specific documents required throughout the operation. CrowderGulf's goal is to submit accurate and complete information within the expected timeline. The graphic below gives an overview of the reports required and their time frames for submission.



At a minimum, the following reports will be provided to the State:

Report	From	To
Kick-off meeting report - project execution plans	CrowderGulf	State
Daily Debris Removal Report on each Zone	CrowderGulf	State Project Manager
Accident Reports	CrowderGulf	Immediate Supervisors, appropriate Federal, State & local authorities, including NJDEP, State Project Manager & State Contract Manager
Daily Grid Projections	Zone Operations Manager	State Project Manager
Daily Quality Assurance Report (productivity & safety)	QA Monitor	State Project Manager
Data quality assurance/quality control guidance & reporting requirements	CrowderGulf	NJDEP
Daily Offloading Site Report	Offloading Site Foreman	Zone Operations Manager – State Project Manager
Daily TDMA Site Report	TDMA Foreman	Zone Operations Manager – State Project Manager

2.11.1 Document Management and Accounting

As the field work is completed, FEMA auditing will begin. This procedure is often a more daunting task than the actual debris removal. CrowderGulf has successfully worked with many monitoring companies as well as directly with counties and municipalities to ensure that all documentation is complete and correct from the very beginning to the very end of each project. Throughout the invoicing and auditing process, we are responsive to all FEMA and applicant/client requests. Because of our thorough record keeping, we are able to provide documentation and answer questions with a rapid turnaround. This will become extremely important as the State seeks FEMA reimbursement.

CrowderGulf's past performance illustrates that we will provide unlimited support to help the State be successful in providing accurate and complete documentation to FEMA and any other agencies that provide reimbursement. Superior record keeping using the best available technology from the beginning to the end of the project is critical.

Financial accountability is maintained throughout the process by using a system of checks and balances that are tied directly to the quantitative documentation originated in the field by our Client's representatives and CrowderGulf's personnel. Throughout the project, FEMA 325 requirements will be followed and will serve as the foundation of our documentation/accounting systems.

CrowderGulf utilizes a comprehensive and seasoned data collection and storage process with all projects. Regardless of whether electronic (ADMS) or paper ticketing documentation is used by the State, CrowderGulf will easily adapt our data capturing procedures to accommodate all requirements.

All invoices will be fully supported by load tickets and other required documentation. Intense reconciliation for all ticket data will be completed between CrowderGulf and the County/Municipal representative (i.e., the monitoring company), before invoices are submitted. Both parties must be in agreement with invoiced data.

3.0 Contract Management

State of New Jersey
RFQ –Waterways Debris Removal Services

3.0 CONTRACT MANAGEMENT

CrowderGulf employs National Incident Management Systems (NIMS) principles in our command structure, planning, operations, logistics and administration. This will not only facilitate an easy interface with the State, but also ensures maximum quality control by limiting the span of supervision for individual field managers. Each of these key roles identified below is critical to an effective CrowderGulf disaster response and must possess a high degree of professional experience, skill, and leadership ability. Please also reference the attached resumes in **Appendix C** for additional details on the our team's qualifications.

Region Operations Manager (ROM)

The Regional Operations Manager is the senior member of the CrowderGulf team and the ranking executive on site. This person is responsible for the overall management and coordination of the entire disaster response and has full authority to make and alter assignments of employees and subcontractors. This person will interface daily with the State Project Manager on all planning and operational matters and will submit a detailed daily report to the State. The ROM will generate the damage assessment, estimate the needed manpower and activate the initial response and mobilization plan.

Zone Operations Managers (ZOM)

The individual occupying this position is the second ranking manager onsite and is directly responsible for all field operations in a specific Zone. The ZOM reports to the SPM and to our ROM. The ZOMs are responsible for all ongoing activities in the Zone including but not limited to locating staging areas, locating reduction sites, determining possible recycling methods, determining debris removal routes, generating schedules, hiring subcontractors, conducting equipment maintenance, restoring debris site, reducing debris, containing hazardous waste and disposing of all debris. This person is responsible for submitting a detailed daily report to the SPM and ROM.

Senior Documentation Manager

The responsibility of this individual is to coordinate all documentation requirements for the project. Communication between the field operations personnel and the home office personnel is critical for a seamless operation. Managing the collection, processing and storage of all debris project files and all other supporting documentation and reports are also tasked to this position. Each Zone will have a documentation manager who will answer directly to the person in this position.

Zone Documentation Manager (ZDM)

Each Zone may have a documentation manager, depending on the scope of the work within the Zone. These individuals will be responsible for daily collection, organizing and processing information to central office for database processing. This position may also assume the field office manager role for a specific Zone. All ZDMs will answer directly to the Senior Documentation Manager.

Safety Manager

The Safety Manager is responsible for development and implementation of an incident specific Field Safety Plan. That plan will conform to the standing Safety Plan and Policy of CrowderGulf and will include safety training programs, field safety awareness initiatives, safety briefings for new employees and subcontractors, a program of site safety inspections and a comprehensive safety incident and action tracking/reporting system (available to the State upon request). This individual will be responsible for initiating, maintaining, and supervising all safety precautions and programs in connection with the work performed in this contract.

Zone Health and Safety Officer

A qualified health and safety officer will be assigned to each Zone and will be onsite during all operations within the Zone. This person will be certified in First Aid, CPR, OSHA HAZWOPER, 10-hour OSHA Construction Safety Class and use of an automated external defibrillator (AED) The Zone Safety Officer will have access at all times to a small motorboat to perform oversight of waterway debris removal and dredging operations to ensure worker safety.

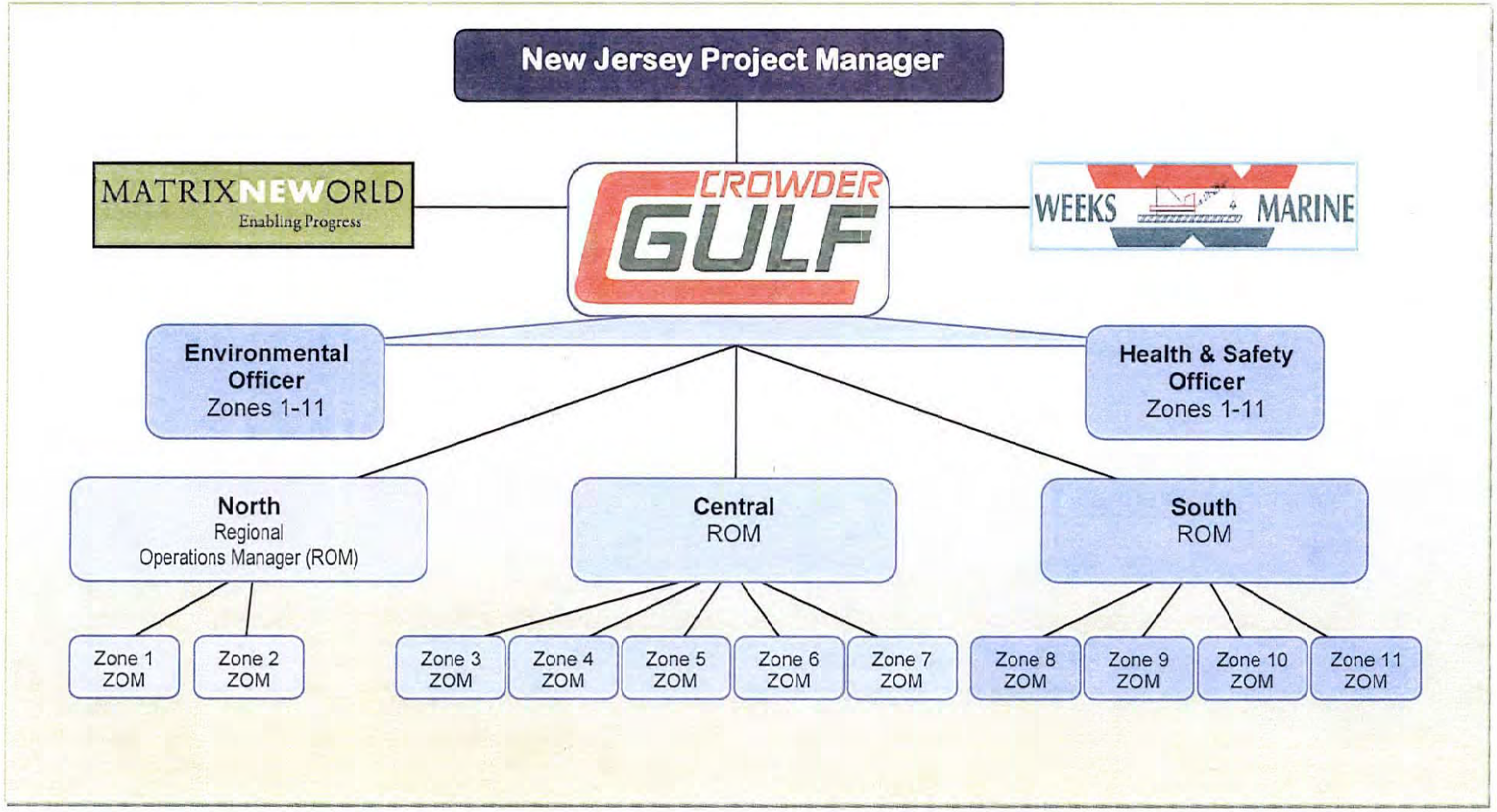
Quality Control Managers

This individual serves as the staff authority on quality control issues and is responsible for the development and implementation of an incident specific Quality Control Plan. Using performance and administrative reports, the Quality Control manager is responsible for the identification of performance deficiencies and opportunities for improvement.

Off-loading Site and/or Temporary Debris Management Area Managers

These individuals are responsible for communicating directions to all subordinates at the Temporary Debris Management Areas. They possess and exercise a broad range of experience and knowledge of safety, workplace standards, equipment, etc. Responsibilities include development of Off-loading Sites/ TDMA site plans, construction, day to day management of Off-loading Sites/TDMAs and monitoring the sites to ensure all environmental regulations are being followed.

The chart below illustrates the working relationships between CrowderGulf field operations teams.



4.0 Contract Schedule

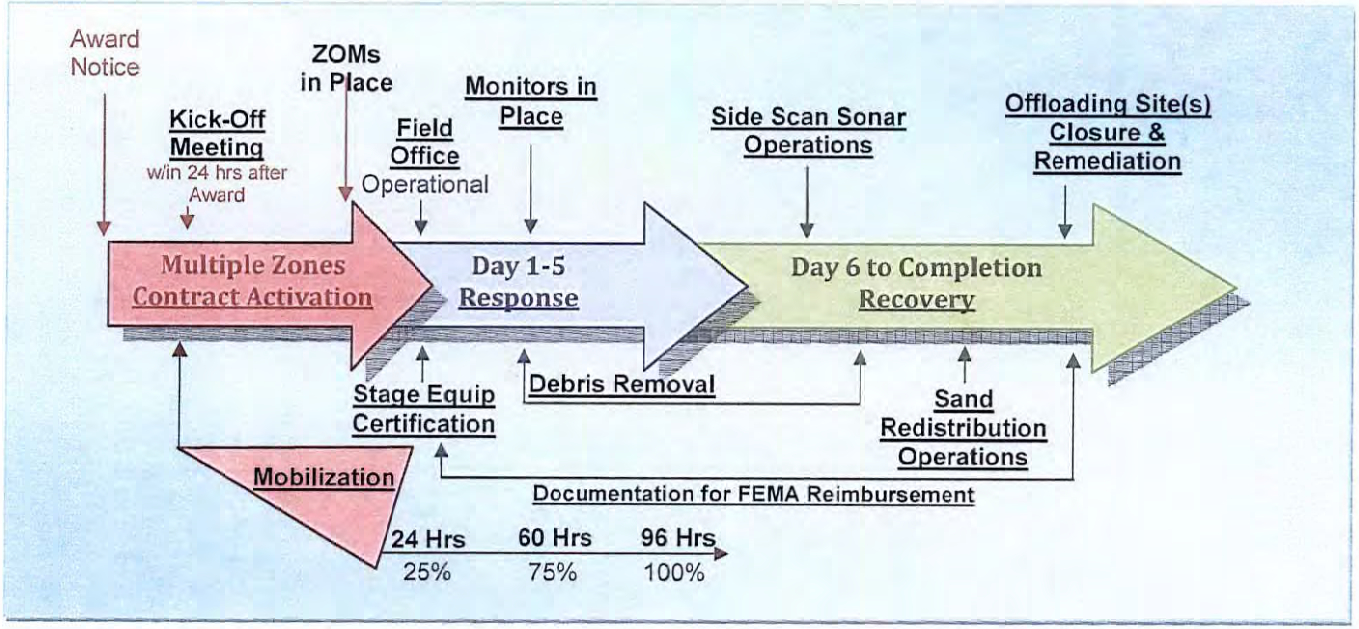
State of New Jersey

RFQ –Waterways Debris Removal Services

4.0 CONTRACT SCHEDULE

Immediately upon receipt of a Notice to Proceed, we will a representative begin mobilization of equipment, operators, and laborers both locally and from throughout the region. The following diagram provides a visual overview of the proposed recovery timeline.

New Jersey *Waterway Debris Removal Services*
Contractor Recovery Timeline



5.0 Potential Problems

5.0 POTENTIAL PROBLEMS and SOLUTIONS

Any major disaster debris removal and management project should anticipate potential problems. After forty years of successful debris operations, CrowderGulf has experienced almost every potential issue and has developed contingency plans accordingly. Several of the problems CrowderGulf anticipates during services in New Jersey are highlighted below.

Inclement Weather

As with all water related projects, inclement weather is a concern along with relative wave height. This can hinder the operation's progress or even halt a project. CrowderGulf has found that a solution to this uncontrollable issue is to have staff monitor NOAA marine forecasts so that supervisors can plan in advance to reschedule assignments. We will utilize windows of good weather to maximize production by increasing crews to make up for lost time.

Shifting Debris

In our past experience we have found that debris tends to shift due to currents and wave action. The migration of debris after side scan sonar services are performed is a high concern. It can greatly impact the removal process and slow operations. To solve this potential problem, it is imperative that the indentifying side scan sonar work be performed in conjunction with debris removal operations.

Environmental, Historical, or Archeological Sensitive Areas

In many cases, historical or archeological sensitive items may be marked as debris. CrowderGulf's goal is to disturb artifacts, as little as possible when performing debris removal operations. CrowderGulf will work with the State and utilize historical and archeological maps to mark these areas using GPS. These coordinates will be uploaded to our GPS units to create a buffer zone that will alert crews to sensitive areas. In the event that an artifact is recovered, operations will be stopped and the proper authorities will be notified. Environmental sensitive areas will be dealt with in the same manner. While working within known environmental sensitive areas, CrowderGulf will utilize natural resource advisors (NRA) to aid debris removal operations in minimizing impact.

Shallow Water and Low Tide

There is potential for shallow water at offloading sites due to winter and spring tides. This may inhibit barges and boats from reaching their designated offloading site. A simple solution is to temporally "light" load barges to minimize their draft and utilize shallow draft vessels.

Narrow Channels and Canals

We are aware of many miles of narrow channels and canals through dense residential communities. This poses issues with maneuverability workable area, and private docks. In these areas, smaller work vessels and hand labor will be utilized along with spotters to ensure no damage occurs to private property and docks.

6.0 Organizational Support

State of New Jersey

RFQ –Waterways Debris Removal Services

6.0 ORGANIZATIONAL SUPPORT AND EXPERIENCE

6.1 Experience

CrowderGulf has a proven track record of simultaneously managing multiple contracts and numerous specialty debris projects. CrowderGulf maintains an extensive inventory of company-owned equipment coupled with a large pool of dedicated subcontractors to complete any project, large or small. The necessity to add or reduce equipment and personnel is often determined by the scope of work and the magnitude of the disaster. Our ZOMs will provide daily status reports on the debris removal process to the SPM and CrowderGulf's ROM. These meetings are helpful in promoting communication, adjusting resources and addressing special issues or areas of concern.

Our experience, expertise and ability to successfully manage multiple contracts are demonstrated in the following examples of past projects. The examples provided below illustrate CrowderGulf's experience with managing the increase or decrease of personnel and equipment resources needed for each project, regardless of size or location. References are provided in **Section 8.0 and in Appendix B** for all work discussed below.

The table below is a summary of the disaster related work performed by CrowderGulf following the major natural disasters since 2003.

Year	*Hurricane*	Simultaneous Contracts	# of TDMA Sites Managed	Approx. CY Hauled	Invoice Amt
2011	*Irene*	24	9	1,800,000	$14,754,641
2008	*Ike*	36	25	18,000,000	$179,965,818
2005	*Dennis, Katrina, Rita, and Wilma*	67	41	20,000,000	$279,764,959
2004	*Charley, Frances, Ivan, Jeanne*	36	61	17,000,000	$292,426,233
2003	*Isabel*	16	19	6,000,000	$67,063,074

Throughout the recovery process, the same CrowderGulf senior management personnel were directly involved with the cleanup operation and worked closely with local, state and federal officials and their representatives to ensure that all debris was FEMA eligible and reimbursable. CrowderGulf communicated daily with all appropriate officials and assisted in decision-making to successfully complete the project.

CrowderGulf's management team assisted all clients with documentation requirements for FEMA reimbursement. In addition, CrowderGulf **simultaneously completed three (3) contracts for the Texas General Land Office (GLO) for beach cleaning which included sand screening, side scan sonar of Gulf and Bay waters, removal and disposal of sunken debris, and removal and disposal of abandoned and sunken vessels in waterways under the responsibility of the GLO.**

Examples of large disaster projects CrowderGulf completed that included the removal and disposal of both land and waterway debris are provided in the following paragraphs discussing the Hurricanes Irene in 2011, the Deep Horizon Oil Spill in 2010, and Hurricane Ike in 2008.

Hurricane Irene - 2011

Following Hurricane Irene in 2011, CrowderGulf was activated for debris removal, reduction and disposal contracts by twenty (20) municipalities in North Carolina and four (4) municipalities in Virginia. We were also awarded three contracts with the North Carolina Department of Transportation (NCDOT) to remove debris from DOT roads in thirteen counties. During these activations we developed, managed and restored 9 temporary Debris Management Sites and removed over 1.8 million CY of debris, for a total cost of $14,754,641.

The work in North Carolina and Virginia primarily involved ROW debris removal, reduction and disposal of both C&D and vegetative debris. These contracts ranged from work that required no more than two (2) trucks and one day of work, to sixty (60) trucks and over three months work. Some towns had less than five thousand (5,000) CY of debris removed while others had over one hundred thousand (100,000) CY. Regardless of the amount of debris, size or location, CrowderGulf provided immediate and effective debris removal to all clients.

BP Deepwater Horizon Oil Spill - 2010

On April 20, 2010, the BP Deepwater Horizon oil spill occurred, eventually leaking an estimated 4.9 million (4,900,000) barrels of oil into the Gulf of Mexico. From the beginning, CrowderGulf played a role in the cleanup, responding first to the needs of our pre-event clients. Throughout this project, the CrowderGulf management team and crews worked hand in hand with local/ state/ federal agencies and municipalities as well as with BP management and BP Safety/Quality Assurance/Quality Control personnel to safely and efficiently complete the project. In all efforts, CrowderGulf complied with all laws, rules and regulations designed to protect the environment and wildlife habitats. In every aspect of the project, CrowderGulf remained sensitive to public concerns and requests.

After September, 2010, CrowderGulf was primarily involved in on-shore cleanup using hand crews and power screening. This operation included simultaneously managing five field offices in two counties. At the height of the response, work at these five sites involved the employment of over twelve-hundred (1,200) people and approximately seven hundred (700) pieces of equipment to clean Alabama beaches. In approximately five months, CrowderGulf screened the entire Alabama coast from the toe of the dunes to ten (10) feet above the rack line. This required the coordination of over one hundred and sixty (160) pieces of heavy equipment, including forty (40) ton off-road trucks and JD-330 size excavators with operators. Approximately seven billion (7,000,000,000) pounds of sand was screened and over three million (3,000,000) pounds of hydrocarbon material was recovered from the beaches in both counties.

Hurricane Ike – 2008

After Hurricane Ike in 2008, CrowderGulf managed thirty six (36) contracts and removed, reduced and disposed of approximately 18 million CY of debris. During these activations, we developed, managed and restored 25 temporary Debris Management Sites. The total cost for these contracts was approximately $180,000,000. This operation included Right-of-Way (ROW) and Right-of-Entry (ROE) debris removal, reduction and disposal, demolition, leaning trees and hanging limbs removal and disposal, stump removal and disposal, removal and proper disposal of white goods, e-goods, tires, hazardous household materials and abandoned vehicles and vessels, marine debris and vessel removal, and beach cleaning and sand screening.

In addition, CrowderGulf simultaneously completed three (3) contracts for the Texas General Land Office (GLO) for beach cleaning which included sand screening, side scan sonar of Gulf and Bay waters, removal and disposal of sunken debris, and removal and disposal of abandoned and sunken vessels in waterways under the responsibility of the GLO.

6.2 Organizational Support

CrowderGulf has previous FEMA Directors, Emergency Managers and FEMA trained Debris Specialists on staff. This wealth of knowledge is used to assist our clients in complying with FEMA guidelines and completing any and all necessary paperwork that they may be called upon to provide FEMA, FHWA or the Office of Inspector General. Our Staff is well versed in the Code of Federal Regulations (44 CFR), FEMA's Debris Management Guide (FEMA 325), and Public Assistance Debris Monitoring Guide (FEMA 327). Today, the staff collectively holds over 80 FEMA course certifications and numerous OSHA Health and safety and hazardous materials classifications. CrowderGulf employees are required to attend conferences and training classes for continuing education credits and certification maintenance on a yearly basis.

All CrowderGulf officers, managers and supervisors have been involved in previous successful disaster related debris operations and have been trained in quality control, safety, ethics and drug policies of CrowderGulf. Should we need their services we have additional management resources that include retired and semi-retired construction, City, County, FEMA, and Power Company professionals, who are experienced in managing and inspecting disaster related work. We also have a standby agreement in place with various engineering companies to provide personnel for engineering services, if needed.

6.2.1 Team Members

It is our Company policy to utilize **qualified local small business subcontractors** to the maximum extent possible. We also endeavor to employ a large percentage of qualified local Minority or Women Business Enterprise (M/WBE) subcontractors. CrowderGulf has team members based in New Jersey that will play a key role in restoring the local communities after a disaster. These include **Matrix New World.**

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Florham Park, NJ 07932
T: 973.240.1800 F
http://www.matrixneworld.com

MATRIXNEWORLD
Enabling Progress

Matrix is a Florham Park, New Jersey company that has won numerous awards for full service environmental, geotechnical, and civil engineering services. Founded in 1990, Matrix is a **woman-owned business** that has been long recognized as a leader in providing multi-disciplinary solutions to a wide variety of projects including site development, infrastructure, environmental and engineering studies, and property redevelopment.

The Matrix environmental group provides a full range of environmental services ranging from initial site assessment to remedial investigation and remedial designs, asbestos and lead-based paint surveys and project designs, underground storage tank management programs, construction support services and regulatory compliance issues.

Matrix has a team of experienced and licensed professionals that maintain registrations in their fields of expertise including Professional Engineers, Professional Geologists, Certified Hazardous Materials Managers, Certified Safety Professionals, Accredited Asbestos Inspectors, Management Planners, Project Designers, and Safety Technicians, Certified Lead Inspector/Risk Assessors, ANSI-RAB Lead Environmental Management System Auditors, and Underground Storage Tank Closure/Subsurface Evaluators. Several members of the Company's senior staff are former employees of the New Jersey Department of Environmental Protection and the Environmental Protection Agency. Matrix is also a certified Asbestos Safety Control Monitor in New Jersey.

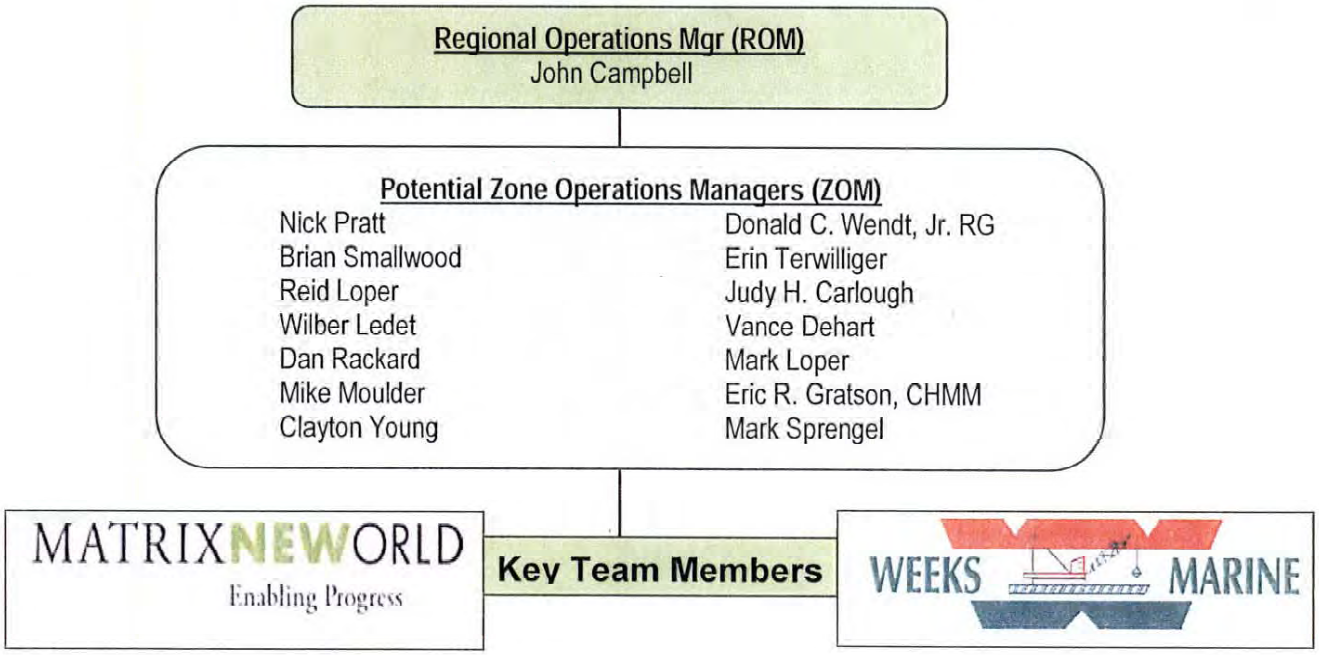
Corporate Headquarters
Weeks Marine, Inc.
4 Commerce Drive
Cranford, NJ 07016
Phone: (908) 272-4010

Weeks Marine, Inc. (WMI), was founded in 1919 as Weeks Stevedoring Company in New York City. Over the years, the company has grown, diversified and is now a top 200 construction contractor. WMI owns and operates a large fleet of industrial work vessels and is a major U.S. provider of dredging services for navigation, shore protection, environmental restoration, and sediment removal from large lakes and reservoirs. The dredging division of the Company operates hydraulic, hopper and clamshell dredges throughout the United States and the Caribbean.

The U.S. Army Corps of Engineers is the company's largest customer, followed by the U.S. Navy, various other federal agencies, public seaports, independent ocean terminal owners, states and local governments. Weeks Marine is dedicated to providing a safe working environment for all of its employees. The company's industry safety management systems operate in compliance with both the Responsible Carrier Program and the Dredging Safety Management Program. WMI is an equal opportunity employer and provides comprehensive and ongoing training for its employees.

6.2.2 Organizational Charts

The following organizational chart lists CrowderGulf's proposed management personnel for this project. Short biographical summaries are provided below for several of our senior management in order to show the level of disaster experience and knowledge the CrowderGulf team encompasses.



7.0 Resumes

State of New Jersey
RFQ –Waterways Debris Removal Services

7.0 RESUMES

The resumes of specific management personnel that will be assigned to this contract are provided in **Appendix C.** The brief biographical sketches below provide an example of the experienced and knowledgeable CrowderGulf and Matrix personnel that will be available.

7. 1 Biographical Summaries Of CrowderGulf Senior Management

- John Ramsay –President and Owner

Mr. Ramsay is a graduate of Auburn University with a degree in Agriculture and has over 40 years of experience in storm debris removal and reduction operations and management. He has directed the successful completion of major operations from the most recent work in North Carolina, Florida, Alabama, and Mississippi following Hurricane Isaac in 2012 and in North Carolina and Virginia in 2011 following Hurricane Irene. Additionally, Mr. Ramsay managed and directed debris removal operations in the Houston-Galveston Area as a result of Hurricanes Gustav and Ike in 2008, and in Florida, Alabama, Mississippi, Louisiana and Texas following Hurricanes Dennis, Katrina, Rita and Wilma in 2005. Working all other disaster work since Hurricane Camille, in 1969, Mr. Ramsay is one of the foremost experts in all phases of a debris operation, including removal, reduction, recycling and disposal. As one of the owners and the founder of CrowderGulf, he takes a personal interest in each of the municipalities we have served over the years. In non emergencies, John is a well respected member of the timber industry John's experience in agriculture, farming, and silviculture provides opportunities for CrowderGulf to leverage additional services and expertise to our clients. He is well respected in the field and his technical advice has been and continues to be sought after by other contractors, municipalities, and various agencies such as Wildlife and Fisheries. Mr. Ramsay has been especially involved in creating innovative ways to recycle debris wastes. (NIMS Trained)

- Ashley Ramsay-Naile – Vice President and Chief Operating Officer

Mrs. Ramsay-Naile is a Graduate of University of South Alabama. She has been involved in managing the day to day business of CrowderGulf operations since 1995 when Hurricane Opal impacted the Florida Panhandle. She has played a vital role in establishing the Disaster Administration Office (DAO) in which she has structured and managed since its acquisition. As Chief Operating Officer for CrowderGulf her role has provided a liaison to clients, logistics coordination with our field operations, contract negotiations, preparation of proposals, subcontractor coordination, field supervisor, project management, and all aspects of back office activities including accounts payable, accounts receivable and human resources. In 2012, Ashley Ramsay was appointed by Governor Robert Bentley, to the Alabama State Workforce Investment Board. Activations have included: 1995 Hurricanes Erin and Opal, 1996 Hurricane Fran, 2004 Hurricanes Charley, Ivan, and Jeanne, 2005 Hurricanes Dennis, Katrina, Rita and Wilma, 2008 Hurricane Gustav and Ike, 2011 tornadoes, Hurricane Irene and 2012 Tropical Storm Debby and Hurricane Isaac. (NIMS Trained)

- John Campbell – Region Operations Manager

Mr. Campbell has over 40 years experience in disaster response planning and management. He has a B.S. degree in Political Science from the University of Southern Miss. and a Masters degree in Logistics Management from the Florida Institute of Technology. After retirement from the Army as a full Colonel with 30 years of service, he served for 6 years as Chief of Operations for Lee County Emergency Management in Fort Myers, Florida. He has direct experience in debris recovery operations from Hurricane Iniki in Hawaii and Hurricanes Charley, Ivan and Wilma that impacted Southwest Florida. He also provided mutual aide to Escambia County Florida following Hurricane Ivan. Mr. Campbell served as senior project manager for CrowderGulf for all activated contracts in Florida following

T.S. Debby in 2012 and provided management oversight for projects resulting from Hurricane Isaac in Mississippi. Mr. Campbell served as a senior project manager for CrowderGulf's response to Hurricane Irene in 2011 including management of 13 Counties assigned under the North Carolina DOT. He also served as the Senior Project Manager for over a year in the Texas Gulf Coast Region following Hurricane Ike's impact in September 2008. During his 36 years of public service, he amassed an extensive background in high-level management, disaster response and training. He also trains CrowderGulf clients in all facets of debris management, Incident Command System (ICS), National Incident Command System (NIMS) and the FEMA PA program process. Mr. Campbell was previously qualified as an accredited Professional Emergency Manager through the Florida Emergency Preparedness Association (FEPA) and remains active in the organization. (NIMS Certified Instructor)

- Raymond "Buddy" Young – Assistant Director of Management (ROM if needed)

Mr. Young was Regional Director of FEMA Region VI from 1993 – 2001 and served as Administrator for 133 federally declared disasters and emergencies. He is nationally known and recognized in the Emergency Management business and is extremely knowledgeable about FEMA policies and procedures. He is a retired Captain of the Arkansas State Police where he served for 26 years. Mr. Young has been directly involved in the field operations for all major disasters from Hurricane Isabel in 2003 and through Hurricane Irene in 2011, as well as the 2011 tornado in Alabama. Mr. Young's FEMA knowledge and experience is invaluable to both CrowderGulf and all clients as decisions must be made during the cleanup operation. Buddy is one of the most knowledgeable people working in the debris management business with firsthand experience in managing major disasters. He is also a current member of the Board of Directors for Disaster Recovery Contractors Association (DRCA). (NIMS Trained)

- Gary Jones – FEMA Technical Advisor

Mr. Jones has over 28 years working for the Federal Emergency Management Agency (FEMA). Gary served as Deputy Regional Director of FEMA Region VI for 17 years. During those years as Deputy, he also served as Acting Regional Director for 4 years. Gary was responsible for administration of emergency management programs in the FEMA Region VI. He provided direct oversight and implementation of response and recovery operations for presidentially declared disasters in the region. Additionally, Gary served as a Branch Chief managing several Technological Hazards Branch programs including Radiological Emergency Management Preparedness, Radiological Defense, Hazardous Materials, Earthquake Preparedness, Hurricane Preparedness, Dam Safety and Chemical Stockpile Emergency Preparedness programs. Gary was designated Federal Coordinating Officer for Hurricanes Katrina, Rita and Georges and provided executive leadership to over 300 federally declared disasters. Gary Jones has a Master's Degree from Tulane University. (NIMS Trained)

- Margaret R. Wright, PhD – Senior Documentation Manager

Dr. Wright has over twenty-five years of professional training and managerial experience. As a vital member of CrowderGulf's Senior Management Team, her duties include proposal writing, training developer and facilitator, regulations compliance, documentation management, including day-to-day operations of work completed, communication and coordination with contracting entities and their representatives during reconciling process, and conducting formal evaluations at completion of projects. Dr. Wright has worked in field operations after all major disasters since 1996, setting up and managing field offices, hiring and training personnel to work with all required documentation. She ensures that field offices are communicating all necessary documentation to the CrowderGulf's Disaster Assistance Office (DAO) to support invoices and Client reimbursement by FEMA. She supports clients with all FEMA auditing and with documentation technical support. (NIMS Trained)

- Leigh Anne Ryals, ALEM, CLEM – Emergency Management Specialist

Mrs. Ryals has over seventeen years of experience and training in Emergency Management. She has eleven years serving as an Emergency Management Director and five years serving as a Disaster Public Information Officer. She has worked twelve Presidential Disaster Declarations and one Incident of National Significance, the Deep Water Horizon Oil Spill, and of those disasters she served as Incident Commander for eight of those events. She is extremely knowledgeable with FEMA's public assistance policies and procedures and has been successful in the FEMA appeals process. She has served as a member of the FEMA Hurricane Liaison Team and testified before the 110th and 111th U.S. Congress on Hurricane Katrina Preparedness and Response Initiatives – Best Management Practices. Leigh Anne learned first-hand the type of documentation and determination it takes to be successful in an OIG / FEMA audit. She obtained valuable knowledge in documentation proper damage survey, reports/technical writing, and extensive knowledge on FEMA policy and procedure. Most recently in North Carolina following Hurricane Irene, she worked with Municipal and County organizations serving as a Government Liaison providing guidance on FEMA documentation and debris related issues. Ms. Ryals is a Licensed and Certified Alabama Emergency Manager; she serves as a NIMS 300 & 400 Course Instructor and holds numerous FEMA and State Emergency Management Certifications. (NIMS Certified Instructor)

- Brian Smallwood – Project Manager, LEED AP

Brian graduated Auburn University in 2006 with a Bachelors Degree in Building Science. After graduation, he worked as a Project manager in Atlanta, GA for one of the largest general contracting firms in the world. There he built a strong management foundation and obtained the necessary fundamentals to plan and coordinate with owners, engineers and government officials. Brian has the ability to estimate, propose, contract, coordinate, schedule, manage, budget, document and close-out a project from start to finish. Brian served as the Operations Manager for the Debris Reduction Site for the U.S. Corps of Engineers in Joplin, MO after the EF 5 tornado affected the city in May 2011. He then served as the Project Manager for the recent recovery from Hurricane Irene in Newport News, VA. Brian is a LEED Accredited Professional with certifications in NPDES, FEMA and OSHA. (NIMS Trained)

- Reid Loper – Project Manager, LEED AP

Reid started his career with CrowderGulf in 2010, as the Senior Project Manager (PM) for the BP Oil Spill. As PM, he has been responsible for managing over 1200 people and 400 pieces of equipment. Managing several projects at once is Reid's strong point and the BP project has consisted of simultaneously managing more than eight different major projects within the Area of Responsibility (AOR) for the BP Oil Spill operation. These projects ranged from sand screening, dredging, and vessel operations, to side scan sonar work. All projects have cumulatively exceeded $120 million in invoicing and total project cost. Reid worked as a project manager for a commercial construction company in Atlanta, Georgia, prior to choosing to return to the Gulf Coast. The time spent in Atlanta gave him vast knowledge in management, estimating, schedule and budget supervision. Reid has estimated over $200 million of work and completed over $100 million in commercial construction, producing an average of 18% savings on project combined. Reid graduated from Auburn University in Aerospace Engineering where he worked as a research and design student. (NIMS Trained)

- Nick Pratt – Project Manager

Nick Pratt has served as one of CrowderGulf's key Field Project Manager's since 2010 working for BP on the Deep Horizon Oil Spill cleanup. He initially handled all of the logistics for the Oil Spill project, putting hundreds of pieces of CrowderGulf equipment in place and directing and training hundreds for CrowderGulf employees throughout the operation. Nick has been involved with storm cleanup work for over eight years. Most recently, he served as

project manager in Biloxi, MS following Hurricane Isaac in 2012 and in Rocky Mount, NC following Hurricane Irene. Nick was Field Supervisor for one of CrowderGulf's primary subcontractors in the debris removal projects in Texas after Hurricane Ike. He supervised and managed several hauling crews until the final cleanup work was completed in Bolivar, Texas. After Hurricanes Katrina in 2005, Nick was the field supervisor for one of CrowderGulf's subcontractors for the debris removal work in Pascagoula, MS. In 2004, after Hurricane Ivan, Nick worked as a crew foreman and a truck driver during CrowderGulf's debris cleanup work in Baldwin County, AL.(NIMS Trained)

- **Wilber Ledet – Project Manager**

Mr. Ledet has 16 years of management experience from 1997 to present. Mr. Ledet's disaster experience with CrowderGulf includes managing the removal of wet debris targets identified by sonar from West Galveston Bay, Tiki Island and Omega Bay following Hurricane Ike. This project also included his expertise in managing the stored vessel reclamation program in which he assisted in the removal of hazardous substances from the vessels and coordinated their proper disposal. From 2010 to 2012, Mr. Ledet managed up to 800 Hazwoper certified responders and facilitated meetings with Environmental and BP Officials as Project Manager assigned to the Deepwater Horizon Oil Spill. In 2012, following Hurricane Isaac, Mr. Ledet was assigned as Project Manager to oversee the sand removal, sand screening and beach berm construction for the Town of Dauphin Island, AL. This project included sea oat replacement, and the management of the right-of-entry program for sand reclamation on private property. Prior to his employment with CrowderGulf in 2009, Mr. Ledet, served as the General Manager for De Iberville Heavy Equipment Rental and Sales. In this position, Mr. Ledet managed the overall daily operations of the company, and facilitated operations, training and safety programs on the equipment for staff and customers.

- **Jason Zirlott – Sonar Image Manager**

Mr. Zirlott has over eleven years experience in marine debris removal. Jason's training in sonar mapping and his ten plus years as a boat captain has aided CrowderGulf by providing expertise in high resolution side scan sonar operation for marine debris detection and removal. Jason's abilities have been used in Hurricane's Ivan, Katrina, Rita and Ike.

- **Dan Rackard – Marine Operations Manager**

Mr. Rackard has 22 years of active U.S. Army assignments from 1976 till 1998, upon retiring he worked for the City of Gulf Shores, AL, as the Streets Superintendent. Mr. Rackard has been involved in many natural disasters both as an Army Engineer and in the public/private sector. Mr. Rackard began work with CrowderGulf in 2004, following Hurricane Ivan and has worked as a Project Manager, Estimator, Proposal Writer, and Contract Negotiator. Mr. Rackard has been awarded the "Bronze De Fleury Medal" for significant contributions to the U.S. Army Corps of Engineers. (NIMS Trained)

- **Jeff Zemlik – Safety Manager**

Mr. Zemlik is a graduate of Indian River State College, earning degrees in both Organizational Management and Occupational Health and Safety. Currently He is enrolled at Columbia Southern working toward his masters in Occupational Health and Safety. He has been affiliated with the construction industry since a young age, starting his safety career by managing the safety department of his family's masonry company, which completed over 1.5 million safe work hours. His past projects have included developing and directing the safety program for the BP Oil Spill for the State of Alabama, constructing the largest indoor primate house at Chicago's Brookfield Zoo and reworking furnaces in and around the steel mills of Gary, Indiana. He is currently charged with overseeing the Safety Department for CrowderGulf. (NIMS Trained)

7. 2 Biographical Summaries Of Matrix New World Management

- Donald C. Wendt Jr., RG

Mr. Wendt is a Geologist/Office Engineer/Field Inspector with over 23 years of experience in the areas of spill response, construction management and inspection, contractor oversight, inspection and supervision of drilling and environmental monitoring. Mr. Wendt has worked on numerous US Environmental Protection Agency and **New Jersey** Department of Environmental Protection sponsored remedial investigations, cleanups, and oversight projects. Mr. Wendt has supervised and performed oversight of contractors and subcontractors.

- Erin L. Terwilliger

Ms. Terwilliger is an environmental scientist with over seven years of experience in environmental consulting services including remedial, ecological and spill response management. Ms. Terwilliger is certified in Shoreline Cleanup Assessment Technique (SCAT) as both field team member and leader. She is a Transportation Worker Identification Card (TWIC) holder and is 40-hr HAZWOPER certified. Ms. Terwilliger is also trained in the National Incident Management System (NIMS) Incident Command Structure (ICS), Level 100 (Introduction to Incident Command System) and Level 200 (ICS for Single Resources and Initial Action Incidents). Ms. Terwilliger's remedial experience includes the oversight and coordination of subsurface and surface investigations in connection with environmental studies throughout New York, **New Jersey** and Pennsylvania. Ms. Terwilliger is proficient with ArcGIS, AutoCAD, and Trimble Nomad software devices and statistical analyses.

- Judy H. Carlough

Ms. Carlough is a Senior Civil Engineering Technician/Field Inspector with over 30 years of experience in the areas of construction supervision, contractor oversight, inspection and supervision of all road reconstruction and infrastructure improvement projects for the Township of West Caldwell, **New Jersey.** Her responsibilities have included oversight of contractors and subcontractors. She has inspected concrete, asphalt and has overseen water, storm and sanitary sewer installations. Ms. Carlough has numerous projects utilizing her knowledge of the Americans with Disabilities Act including the Accessibility Guidelines for Buildings and Facilities. She has worked closely with Essex County Division of Housing and Community Development acquiring CDBG funding and management of projects for the Township of West Caldwell.

- Mark J. Sprengel

Mr. Sprengel is an environmental scientist with over 10 years of environmental consulting and spill response experience focusing on environmental assessment and remediation projects. Mr. Sprengel's experience includes environmental contractor oversight during cleanup and recovery of oiled debris from beaches and state parks along the Gulf Coast in AL, MS and LA. He was responsible for implementing required Best Management Practices (BMPs), of United States Fish and Wildlife Service per the Endangered Species Act and other applicable laws. His experience includes the preparation of environmental technical reports and permitting applications relative to Preliminary, Phase I and Phase II site remediation assessments and investigations throughout **New Jersey.**

- **Gavin Gilmore**

Mr. Gilmore is a certified asbestos and lead paint specialist with over 15 years of experience as an asbestos and lead based paint supervisor, investigator, project designer, project monitor and technician. He is a state Certified Asbestos Project Monitor, Asbestos Inspector, Asbestos Project Designer, Lead Inspector/Risk Assessor, Lead Risk Assessor, and Asbestos Safety Technician. He has worked on numerous projects for **New Jersey** Schools Development Authority and the **New York City** School Construction Authority, Municipal Agencies, as well as the Casino Reinvestment Development Authority. Mr. Gilmore has worked on other projects for industrial and private clients throughout **New Jersey and New York**. His responsibilities have included all phases of project participation from proposal to contract close out. Equally experienced in project design and specification as on site project monitoring and site compliance; Mr. Gilmore brings a necessary and valuable degree of field experience to enhance project execution.

- **Eric R. Gratson, CHMM**

Mr. Gratson is a Certified Hazardous Material Manager with over 21 years of experience as a site and design engineer for civil engineering, construction, and environmental projects. He is a state Certified Asbestos Project Monitor, Asbestos Inspector, Asbestos Project Designer, Lead Inspector/Risk Assessor, Lead Risk Assessor, and Asbestos Safety Technician. Mr. Gratson has directed and managed projects relative to construction and renovation of schools, transportation facilities, fuel terminal facilities, major transportation design and construction projects, and other projects for industrial and private clients throughout **New Jersey and New York**. His expertise includes hazardous materials surveys, development of construction documents (plans and specifications), environmental construction management and oversight for conventional construction projects and environmental remediation projects, construction quality assurance, and project management. Mr. Gratson's experience also includes planning and implementing environmental and engineering programs specializing in contaminated site investigations, site remediation, hazardous waste and solid waste management, environmental permitting, regulatory compliance, design of underground storage tank systems, and asbestos and lead-based paint inspection

- **Matthew Duffy, CHMM**

Mr. Duffy is a Certified Hazardous Material Manager with eleven years experience in multi-media environmental analysis including numerous environmental characterizations. Mr. Duffy's experience includes the oversight and coordination of subsurface and surface investigations which includes monitoring well installations, soil, groundwater, soil gas, indoor air, surface water, and sediment sampling, management and processing of sample laboratory analyses, leaking underground storage tank (LUST) removal/closures, and operation and maintenance of groundwater remediation systems in connection with environmental studies throughout **New York, New Jersey and Pennsylvania**. Mr. Duffy has also been responsible for the development, implementation, and training of EHS policies and procedures.

8.0 Experience

State of New Jersey
RFQ –Waterways Debris Removal Services

8.0 CROWDERGULF EXPERIENCE ON CONTRACTS OF SIMILAR SIZE AND SCOPE

Appendix B contains a list of CrowderGulf's past performance by disaster event with references for the past seven years. It also provides examples of Matrix New World's past performance of similar work with references. The charts in this section provide highlights of work completed as stipulated in the RFQ. This includes multiple task order contracts that included waterway debris removal, sand screening and beach cleaning projects.

8.1 Multiple Task Order Contracts - Past Performance Chart

The chart below is an example of CrowderGulf's ability to successfully perform these different tasks and operations at the same time. Contact information for these contracts/projects can be found in the Past Performance Chart in **Appendix B.**

2008 Hurricane Ike Recovery
36 Simultaneous Contracts from 9/15/2008 through 2/15/2010
Covering 4 States & handling over 17,351,244 CY & 25 TDMAs Managed

Client	Land Debris	Waterway	Vehicles	Boats	Sand Work	ROE	White Goods	E-Goods	Tires	Demo
Alvin, TX	X									
Angleton, TX	X									
Bayou Vista, TX	X						X			
Beaumont, TX	X						X	X		
Brazoria County, TX	X									
Brookside Village, TX	X									
Calcasieu Parish, LA	X									
Chambers County, TX	X					X				
Clear Lake Shores, TX	X						X			
Clute, TX	X									
Dauphin Island, AL		X			X					
Deer Park, TX	X									
Dickinson, TX	X	X					X			
Freeport, TX	X									
Friendswood, TX	X									
Galveston County, TX	X	X	X	X	X	X	X	X	X	
Galveston County, MUD, TX	X	X								
Jefferson County, TX	X					X	X			
Kemah, TX	X					X	X			
Lake Charles, LA	X									
LaMarque, TX	X	X					X			
League City, TX	X						X			
Manvel, TX	X									
Montgomery County, TX	X									
Owensboro, KY	X									
Pearland, TX	X									
Santa Fe, TX	X									
Sulphur, LA	X									
Texas City, TX	X	X								
Texas General Land Office, TX (3 contracts)	X	X		X	X		X		X	
Tiki Island, TX	X	X					X			
Webster, TX	X									
Westlake, LA	X									

During the 2005, CrowderGulf was activated after Hurricanes Katrina, Rita and Wilma for recovery debris removal. Below is a chart that shows the different tasks simultaneously accomplished by CrowderGulf. Contact information for these contracts/projects can be found in the Past Performance Chart in **Appendix B.**

2005 Hurricanes Recovery
56 Simultaneous Contracts from 8/27/2005 through 1/16/2011
Covering 4 States & handling over 18,491,063 CY & 35 TDMAs Managed

Client	Land Debris	Waterway	Vehicles	Boats	Sand Work	ROE	White Goods	E-Goods	Demo
Alabama State Docks, AL	X								
Aventura, FL (2 activations)	X								
Baldwin County, AL	X								
Biloxi, MS	X	X		X		X	X	X	X
Bonnet House Museum and Gardens of Fort Lauderdale, FL	X								
Ceres Environmental/ USACE - Calcasieu Parish, LA	X		X			X	X	X	X
Collier County, FL	X	X							
Daphne, AL	X								
D 'Iberville, MS									
Dickinson, TX	X								
Fort Lauderdale, FL (3 activations)	X	X			X	X			
Fort Myers Beach, FL	X								
Fort Myers, FL	X								
Golden Acres Housing Authority of Pompano Beach, FL	X								
Gulf Shores, AL	X								
Gulfport, MS	X								X
Hancock County, MS			X	X					
Harrison County, MS	X								
Jackson County, MS	X	X							
Jefferson County, TX	X								
Jefferson Parish, LA	X								
Lazy Lakes, FL	X								
Lee County, FL	X								
Moss Point, MS	X								
Naples Airport Authority, FL	X				X				
Naples, FL									
North Miami Beach, FL	X	X							
North Miami, FL (2 activations)	X								
Orange Beach, AL	X				X				
Pascagoula, MS	X	X				X			X
Pembroke Pines, FL (2 activations)	X								
Pompano Beach, FL (2 activations)	X								
Sanibel Island, FL	X					X			
State of Louisiana Dept. of Wildlife & Fisheries, East Baton Rouge Parish, LA		X							
US Coast Guard, MS		X							
Walton County, FL	X	X			X				
Waveland, MS	X								
Wellington, FL	X								
West Palm Beach, FL	X					X			
Wilton Manors, FL (2 activations)	X								

8.2 Special Projects - Waterway Past Performance Chart *(Company Confidential & Proprietary Information)*

The chart below contains a partial listing of contracted work accomplished by CrowderGulf as Prime Contractor specific to debris removal from waterways. The following chart has been sorted by descending project value. **Appendix B** contains a complete list of CrowderGulf's past performance by event with references.

OWNER & TIMELINE	DESCRIPTION OF WORK	TOTAL PROJECT VALUE	CONTRACTING POINT OF CONTACT	

2008 Hurricane Ike
Galveston County, TX
(Galveston County Mainland & Bolivar Peninsula)
9/18/2008-9/12/2009
	▪ Specialty Debris Removed: Removed dead trees killed by the salt water surge.
	▪ Special Projects:
	  ▪ Removed debris from 25 mi of protection levee & 5 mi from ship channel protection dike
	  ▪ Levee debris removal
		$84,145,785	Pat Doyle, County Commissioner
			409-770-5333, 409-770-5336,
			Patrick.Doyle@co.galveston.tx.us
				Lee Crowder, Drainage & Beach Manager Road & Bridge Dept.
				409-582-3690

2008 Hurricane Ike Texas GLO – General Land Office 12/18/2008-2/15/2010	▪ Hauled sand debris ▪ Special Projects: cleaned & restored beaches ▪ Special Projects: hauled marine debris & sunken vessels from Gulf & Bay Waters	$27,167,674	Ben Au, Architect Dir., Const. Services, 512-463-6293, Benjamin.Au@glo.state.tx.us	Tony Williams, Professional Services Coastal Leasing, 512-463-5055, Tony.Williams@GLO.STATE.TX.US
2008 Hurricane Ike City of Texas City, TX 9/22/2008-10/27/2008	▪ Hauled vegetative, C&D & dike (wet) debris ▪ Reduced by burning	$3,578,002	Bruce Clawson, Emergency Manager 409-643-5840, bclawson@texas-city-tx.org	Michael Stump, SW Manager 409-643-5810, mstump@texas-city-tx.org
2008 Hurricane Ike Town of Dauphin Island, AL 9/15/2008-3/13/2009	▪ Special Projects: ▪ Beach restoration, sand fence replacement ▪ Drainage ditch excavation, road & damaged parking lot reconstruction	$3,245,527	Jeff Collier, Mayor 251-861-5525 jcollier@townofdauphinisland.org	Wanda Sandagger, Admin. Assist. 251-861-5525, wsandagger@townofdauphinisland.org
Pasco County, FL 2008-2010 Maintenance Contract	▪ Special Projects: ▪ Clearing, maintaining & restoring miscellaneous storm water drainage canals Countywide	$2,500,000	Michelle Baker, Engineering Services 727-847-8140 ext. 8756 mbaker@pascocountyfl.net	Michael Garret, Public Works Director 727-834-3611, mgarrett@pascocountyfl.net
2008 Hurricane Ike City of Dickinson, TX 9/10/2008-2/3/2009	▪ Specialty Debris Removed: white goods & canal debris	$2,309,107	Captain Steve Krone 281-377-2489 skrone@ci.dickinson.tx.us	Kellis George, Director of PW 281-337-6267, kgeorge@ci.dickinson.tx.us
2008 Hurricane Ike City of LaMarque, TX 9/22/2008-1/21/2009	▪ Special Projects: NRCS Project (12/15/2009-2/23/2010) tree removal from Highland Bayou	$1,875,469	Todd Zacherl, Fire Chief 409-938-9261 tzacherl@ci.la-marque.tx.us	Jennifer Pierce, Fire Marshall/EM Coordinator, 409-938-9267, j.pierce@ci.la-marque.tx.us
River Delta Marina Project for Mobile County, AL 5/2011 - 12/2011	▪ Demo of existing marina boat houses & bulkheads ▪ Installed new vinyl sheet – piled sea wall ▪ Dredged marina to depth of 4' ▪ Constructed 10,000 /sq ft new boat sheds & 3200/sq ft covered pavilion ▪ Created approx. 3 acres of constructed wetlands & surrounding facilities	$1,431,019	Fran Lowe, Environmental Technician, Mobile County Commission, 251-574-3229 fran.lowe@mobilecounty.net	
2008 Hurricane Ike Galveston County Municipal Utility District 12 (MUD 12) 2/24/2009-3/19/2009	▪ Hauled Canal debris	$76,236	Sharon Ballard, Secretary to the Board 409-935-6111,Mud12@comcast.net	Bill Alcorn, President Board of Directors 409-935-6111

8.3 Beach Work & Sand Screening Past Performance Chart *(Company Confidential & Proprietary Information)*

The chart below contains a partial listing of contracted work that included beach cleanup and sand screening by CrowderGulf as Prime Contractor. The following chart has been sorted by descending project value. **Appendix B** contains a complete list of CrowderGulf's past performance by event with references.

OWNER & TIMELINE	DESCRIPTION OF WORK	PROJECT VALUE	PROJECT CY	CONTRACTING POINT OF CONTACT	
2010 BP Deep Horizon Oil Spill O'Brien's Response Management / SEACOR Management / BP Oil Exploration & Production 5/2010 – 2/14/2012	▪ **Provided** OSRO (Oil Spill Response Organization) Services ▪ **Provided** maintenance cleanup on all AL beaches & State Park – On shore & Near Shore Response ▪ **Excavated and screened** sand in Gulf Shores, AL ▪ **Baldwin County Only** – 21.18 mi of beach cleaned, 2,452,000 lbs of hydrocarbon removed, 3 billion lbs of sand sifted. ▪ **Emergency closure** of Little Lagoon Pass in Gulf Shores ▪ **Boom Anchor and Removal** program - Utilizing **Side Scan Sonar equipment.** ▪ **Gabion basket removal** project (Fort Morgan & Dauphin Island)	$122,218,889	All Alabama Beaches Lump Sum & Hourly	**Duane Miller** – Manager, Consulting & Response251-716-1620 –cell, Duane.Miller@obriensrm.com **Jeremiah Jefferies** – AL Operations Mgr, 251-518-1334, Jeremiah.Jeffries@bp.com	**Doug Parton** -Deputy Operation Manager 850-362-8178 - cell, parton.doug@bogom.com **Jim Poore**, Division Supervisor – Baldwin County, AL 251-225-5520, James.Poore@bp.com
2008 Hurricane Ike Galveston County, TX *(Galveston County Mainland & Bolivar Peninsula)* 9/18/2008-9/12/2009	▪ **Hauled** (ROW, ROE & canal) vegetative, wet debris, C&D & mulch debris ▪ **Reduced** by grinding & burning ▪ **Specialty Debris Removed**: (ROW & ROE) leaners/hangers, dead trees killed by the salt water surge, white goods, e-goods, abandoned vehicles & tires ▪ Removed debris from 25 mi of protection levee & 5 mi from ship channel protection dike ▪ Levee debris removal	$84,145,735	3,871,319	**Pat Doyle**, County Commissioner 409-770-5333, 409-770-5336, Patrick.Doyle@co.galveston.tx.us	**Lee Crowder**, Drainage & Beach Manager Road & Bridge Dept. 409-682-3660
2008 Hurricane Ike Texas General Land Office (GLO) 2 contracts 12/18/2008-2/15/2010	▪ **Hauled** sand debris ▪ **Special Projects**: cleaned & restored beaches ▪ **Contract Special Projects**: removed and disposed of marine debris & sunken vessels from Gulf & Bay Waters	$27,167,674	7,824,258	**Ben Au**, Architect Dir., Const. Services, 512-463-6293, Benjamin.Au@glo.state.tx.us	**Tony Williams**, Professional Services Coastal Leasing 512-463-5055, Tony.Williams@GLO.STATE.TX.US
2010 BP Deep Horizon Oil Spill Baldwin County, AL 5/19/2010 – 7/12/2010	▪ **Implemented** proactive measures to contain oil spill by providing & installing containment & absorbent boom along the Coastal Waters of Baldwin County	$4,280,107	Lump Sum	**Joey Nunnally**, PE Engineer 251-972-8533 jnunnally@co.baldwin.al.us	**Charles "Skip" Gruber**, Commissioner – District 4 S Baldwin County, AL 251-943-5061 cgruber@baldwincountyal.gov
2008 Hurricane Ike Town of Dauphin Island, AL 9/15/2008-3/13/2009	▪ **Special Projects**: ▪ Sand screening & beach restoration, sand fence replacement ▪ Drainage ditch excavation, road & damaged parking lot reconstruction	$3,245,527	210,520	**Jeff Collier**, Mayor 251-861-5525 jcollier@townofdauphinislanc.org	**Wanda Sandagger**, Admin. Assist. 251-861-5525, wsandagger@townofdauphinisland.org

OWNER & TIMELINE	DESCRIPTION OF WORK	PROJECT VALUE	PROJECT CY	CONTRACTING POINT OF CONTACT	
2010 BP Deep Horizon Oil Spill Town of Dauphin Island, AL 6/1/2010 – 7/21/2010	▪ **Built** additional sand berm for protection per BP Grant ▪ **Planted** Sea Oats	$2,235,000	3 Miles of Beaches	**Jeff Collier**, Mayor 251-861-5525 jcollier@townofdauphinisland.org	**Wanda Sandagger**, Admin. Assist. 251-861-5525, wsandagger@townofdauphinisland.org
2012 Hurricane Isaac Town of Dauphin Island, AL 8/31/2012-Present	▪ **Hauled** sand debris for screening and returning to the beach (ROW & FHWA)	$948,930	116,586	**Bryan Milling**, True North, Monitoring, 707-502-2795, bmilling@truenorthem.com	**Corey Moore**, Project Manager cmoore@townofdauphinisland.org
2009 Tropical Storm Ida Town of Dauphin Island, AL 11/12/2009-4/12/2010	• **Special Projects**: sand screening & beach reclamation services	$922,471	77,127	**Jeff Collier**, Mayor 251-861-5525 jcollier@townofdauphinisland.org	**Wanda Sandagger**, Admin. Assist. 251-861-5525, wsandagger@townofdauphinisland.org
2012 Tropical Storm Beryl Nassau County, FL 6/11/2012-7/17/2012	▪ **Special Projects**: Cleaned beaches from Seaweed debris	$92,421	7,243	**Jonathan Page**, Nassau County Engineer, 904-491-7330, jpage@nassaucountyfl.com	**Scott Herring**, Public Works Director 904-491-7330, sherring@nassaucountyfl.com
2012 Hurricane Isaac City of Key West, FL 8/28/2012-8/31/2012	▪ **Special Projects**: Cleaned the beaches of debris	$76,683	Hourly	**Scott Fraser**, FEMA Coordinator / Floodplain Administrator, 305-809-3810 sfraser@keywestcity.com	**Craig Marston**, Division Chief / Fire Marshall, 305-809-3942, cmarston@keywestcity.com
2012 Tropical Storm Debbie Town of Fort Myers Beach, FL 6/28/2012-7/10/2012	▪ **Special Projects**: removed debris & provided repairs on the beach	$31,202	Hourly	**Cathie Lewis**, PW Director 239-765-0202, Cathie@FortMyersBeachFL.gov	**Michelle Mayher**, Town Clerk 239-765-0202 ext. 114, MICHELLE@fmbeach.org
2012 Hurricane Sandy City of Fort Lauderdale, FL 11/1/2012-11/2/2012	• **Special Projects**: removed sand debris from roadways	$21,068	Hourly	**Albert Carbon**, Public Works Director 954-828-5341, ACarbon@fortlauderdale.gov	**Greg Slagle**, Public Works Department 954-828-5341, GSlagle@fortlauderdale.gov
2012 Hurricane Isaac Town of Fort Myers Beach, FL 9/5/2012-9/17/2012	▪ **Special Projects**: removed debris & provided repairs on the beach	$20,305	Hourly	**Cathie Lewis**, PW Director 239-765-0202, Cathie@FortMyersBeachFL.gov	**Michelle Mayher**, Town Clerk 239-765-0202 ext. 114, MICHELLE@fmbeach.org
2012 Hurricane Isaac Walton County, FL 9/1/2012-9/2/2012	▪ **Special Projects**: Cleaned the beaches of debris	$11,646	Hourly	**Major Joseph Preston**, Dir. of Support Services & EM, 850-951-4721, jpreston@waltonso.org	**Al Ford**, EM Coordinator 850-892-8065, aford@waltonso.org
2012 Hurricane Isaac City of Orange Beach, AL 8/30/2012-9/1/2012	▪ **Special Projects**: Cleaned the beaches of debris	$8,265	Hourly	**Nicole Woerner**, Coastal Resources Planner, 251-981-1063, nwoerner@cityoforangebeach.com	**Phillip West**, Costal Resource Manager, 251-981-6788, pwest@cityoforangebeach.com

Appendix B provides a complete past performance list of work completed by CrowderGulf with references. Past performance of disaster work completed by **Matrix** is also provided in **Appendix B** and includes references.

8.4 White Goods, E-Goods & Vehicles Removal - Past Performance Chart *(Company Confidential & Proprietary Information)*

The chart below contains a partial listing of contracted work that included the removal and proper disposal of white goods, e-goods, vehicles and vessels by CrowderGulf as Prime Contractor. The following chart has been sorted by descending project value. Appendix B contains a complete list of CrowderGulf's past performance by event with references.

OWNER & TIMELINE	DESCRIPTION OF WORK	PROJECT VALUE	PROJECT CY	CONTRACTING POINT OF CONTACT	
2008 Hurricane Ike Recovery Galveston County, TX *(Galveston County Mainland & Bolivar Peninsula)* 9/18/2008-9/12/2009	▪ Hauled (ROW, ROE & canal) vegetative, wet debris, C&D & mulch debris ▪ Reduced by grinding & burning ▪ (ROW & ROE) leaners/hangers, dead trees killed by the salt water surge, white goods, e-goods, abandoned vehicles & tires ▪ Removed debris from 25 mi of protection levee & 5 mi from ship channel protection dike ▪ Levee debris removal	$84,145,785	3,871,319	Connie Nicholson, Community Services Director 409-682-3139, connie.nicholson@co.galveston.tx.us	Pat Doyle, County Commissioner Precinct 1 409-770-5333, Patrick.Doyle@co.galveston.tx.us Lee Crowder, Drainage & Beach Manager Road & Bridge Dept., 281-537-4152, lee.crowder@co.galveston.tx.us
2005 Hurricane Rita Recovery Ceres Environmental - Calcasieu Parish, LA – USACE 9/30/2005-8/28/2006	▪ Hauled vegetative, C&D, ash & mulch debris ▪ Specialty Debris Removed: white goods, e-goods, leaners/hangers ▪ Reduced by burning & grinding (14 disposal sites) ▪ Surveyed houses for asbestos demo & properly disposed of asbestos ▪ Subcontractor for Ceres Environmental/United States Corps of Engineers	$81,506,090	9,463,080	Bill Smith, USCOE Tulsa, OK	Charlie Crumpler, USCOE Retired 918-669-7487, 901-508-9075
2004 Hurricane Ivan Recovery Escambia County, FL 9/23/2004-10/14/2005	▪ Hauled vegetative, C&D & mulch debris ▪ Specialty Debris Removed: stumps, white goods, freon ▪ Reduced by grinding, burning, compacting C&D	$66,433,000	4,240,192	Paul R. Nobles, Purchasing Coordinator, 850-595-4918 paul_nobles@co.escambia.fl.us	Eddie Cooper, Chief, Soil & Water Escambia Co, 850-587-5404, eddie_cooper@co.escambia.fl.us
2008 Hurricane Ike Recovery Texas GLO – General Land Office 12/18/2008-2/15/2010	Contract # 09-135-000-3564, 12/18/2008–4/15/2009 ▪ Hauled sand debris ▪ Cleaned & restored beaches Contract # 09-152-000-3591, 2/20/2009–2/15/2010 ▪ hauled marine debris & sunken vessels from Gulf & Bay Waters utilizing Side Scan Sonar	$27,167,674	7,824,258	Ben Au, Architect Dir., Const. Services, 512-463-6293, Benjamin.Au@glo.state.tx.us John Gillen, Director Coastal Assistance, 512-936-2239, John.Gillen@glo.state.tx.us	Tony Williams, Professional Services Coastal Leasing, 512-463-5055, Tony.Williams@GLO.STATE.TX.US
2005 Hurricane Katrina Recovery City of Pascagoula, MS 9/1/2005-7/31/2010	Pre-Event Debris Contract (9/1/05-9/4/05 & 7/1/06-8/28/07) Worked Under Ashbritt/USACE (9/5/05-6/30/06) ▪ Hauled vegetative & C&D debris ▪ (ROW & RCE) leaners/hangers, white goods ▪ Demolition of houses & proper disposal of asbestos material. ▪ Supplied ice, meals, generators, temp trailers, fuel, radios, & vehicles ▪ Demo Carver Village, 1/9/2007-1/30/2007 ▪ Culvert Debris Cleaning North of Ingalls Avenue, 6/6/2007-7/31/2010 cleaning & video inspection of storm sewers in the City, primarily all storm drain piping ▪ Demo of Houses, 10/2/2007-10/19/2007	$22,535,788	1,204,673	Kay Kell (now Joseph Huffman), City Manager , 228-938-6614, jhuffman@cityofpascagoula.com Brian Nelson, Public Works Director 228-938-6620 banelson@cityofpascagoula.com	Jaci Turner, P.E., Program Manager 228-938-6726, jturner@cityofpascagoula.com

OWNER & TIMELINE	DESCRIPTION OF WORK	PROJECT VALUE	PROJECT CY	CONTRACTING POINT OF CONTACT	
2005 Hurricane Katrina Recovery City of Biloxi, MS 9/1/2005-5/23/2007	▪ Hauled (ROW & ROE) vegetative & C&D debris ▪ Reduced by burning ▪ Inaccessible trees, leaners/hangers, standing dead trees, white goods ▪ Demo & disposal of Gulf Beach Hotel ▪ Boat Salvage utilization Side Scan Sonar ▪ Beauvoir Oyster Bayou Marine Debris Removal utilizing Side Scan Sonar ▪ Demo & proper disposal of structures containing asbestos	$19,218,866	1,092,184	A. J. Holloway, Mayor 228-435-6254, mayor@biloxi.ms.us	Jonathan Kiser, PE, Neel Schaffer 228-374-1211, Jonathan.kiser@neel-schaffer.com
2008 Hurricane Ike Recovery City of Beaumont, TX 9/19/2008-4/15/2009	▪ Hauled vegetative, C&D & mulch debris ▪ Reduced by grinding ▪ Leaners/hangers & white goods ▪ Provided Generators	$11,948,522	988,690	Kyle Hayes, City Manager 409-880-3708 khayes@ci.beaumont.tx.us	Brenda Beadle, Capital Projects Manager 409-880-3718, bbeadle@ci.beaumont.tx.us
2008 Hurricane Ike Recovery City of League City, TX 9/18/2008-1/10/2009	▪ Hauled vegetative, C&D & mulch debris ▪ Reduced by grinding ▪ Leaners/hangers & white goods	$4,108,866	335,140	Denny Holt (now Dena Mahan), EMC, 281-554-1300, dena.mahan@leaguecity.com	Bruce "Chip" Merrick, Asst. EMC 281-554-1300, chip.merrick@leaguecity.com
2011 Hurricane Irene Recovery Dare County, NC 9/2/2011-12/6/2011	▪ Hauled ROW vegetative , C&D & ash ▪ Reduced by ACI burning (2 sites) ▪ Hazardous Waste, abandoned travel trailers, white goods, e-goods	$3,590,997	292,522 & 36 Tons	Edward Lee Mann, PW Director 252- 475-5880 Edwardlee@darenc.com	David Clawson, Finance Director 252-475-5730, davec@darenc.com
2004 Hurricane Ivan Recovery Walton County, FL 9/29/2004-1/12/2005	▪ Hauled vegetative, C&D & mulch debris ▪ Stumps, white goods, freon ▪ Reduced by grinding ▪ Rake, pile, load & haul debris from beach	$2,610,759	171,827	Bill Imfeld (now Wanda Quimby), Director of Purchasing 850-892-8470 smiwanda@co.walton.fl.us	Al Ford, EM Coordinator 850-892-8065, aford@waltonso.org
2008 Hurricane Ike Recovery City of Dickinson, TX 9/10/2008-2/3/2009	▪ Hauled vegetative & C&D debris ▪ Specialty Debris Removed: white goods & canal debris	$2,309,107	217,088	Captain Steve Krone 281-377-2489 skrone@ci.dickinson.tx.us	Kellis George, Director of PW 281-337-6267, kgeorge@ci.dickinson.tx.us
2008 Hurricane Ike Recovery City of LaMarque, TX 9/22/2008-1/21/2009	▪ Hauled vegetative, C&D & mulch debris ▪ Reduced by grinding ▪ Leaners/hangers & white goods ▪ NRCS Project (12/15/2009-2/23/2010) tree removal from Highland Bayou utilizing Side Scan Sonar	$1,875,469	126,320	Todd Zacherl, Fire Chief 409-938-9261, tzacherl@ci.la-marque.tx.us	Jennifer Pierce, Fire Marshall/EM Coordinator, 409-938-9267, j.pierce@ci.la-marque.tx.us
2008 Hurricane Ike Recovery City of Kemah, TX 9/20/2008-8/14/2009	▪ Hauled (ROW & ROE) vegetative, C&D & mulch debris ▪ Reduced by grinding ▪ Specialty Debris Removed: white goods ▪ At Cost Services: landfill tipping fees	$1,562,035	96,633	R. W. Kerber, EMC / City Administrator, 281-334-1611 rkerber@kemah-tx.com	Bob Cummins, Mayor mayorcummins@kemah-tx.com
2008 Hurricane Ike Recovery Jefferson County, TX 9/20/2008-2/9/2009	▪ Hauled, (ROW & ROE) vegetative, C&D & mulch debris ▪ Reduced by grinding ▪ Specialty Debris Removed: leaners/hangers, stumps & white goods	$1,275,233	93,263	Douglas Anderson III, Purchasing Manager, 409- 835-8593	Greg Fountain, EMC 409-835-8757, gfountain@co.jefferson.tx.us
2008 Hurricane Ike Recovery Village of Tiki Island, TX 9/20/2008-3/23/2009	▪ Hauled vegetative & C&D debris ▪ Specialty Debris Removed: white goods with Freon removal & canal debris removal utilizing Side Scan Sonar	$917,649	39,225	Tim Cullather, Emergency Management, 409-938-4932	Randy Phipps, Emergency Management, 409-938-4932, tikiisland@comcast.net

OWNER & TIMELINE	DESCRIPTION OF WORK	PROJECT VALUE	PROJECT CY	CONTRACTING POINT OF CONTACT	
2008 Hurricane Ike Recovery City of Bayou Vista, TX 9/23/2008-10/29/2008	▪ Hauled vegetative & C&D debris ▪ Specialty Debris Removed: white goods	$798,580	41,602	Chief Ed Lucas, Chief of Police 409-935-0449 lucasbvpd@comcast.net	Bobby Rosenquist, Mayor 409-356-5131, [redacted]
2004 Hurricanes Charley, Frances & Jeanne Recovery City of Fort Myers Beach, FL 8/24/2004-10/15/2004	▪ Hauled vegetative & C&D debris ▪ Specialty Debris Removed: white goods ▪ Reduced by burning	$781,388	71,233	Cathie Lewis, Public Works Director, 239-765-0202 ext. 138, Cathie@FortMyersBeachFL.gov	Terrance "Terry" Stewart, Town Manager, 239-765-0202 ext. 101, Terry@fortmyersbeachfl.gov
2008 Hurricane Ike Recovery City of Clear Lake Shores, TX 9/19/2008-10/7/2009	▪ Hauled vegetative, C&D & mulch debris ▪ Specialty Debris Removed: leaners/hangers, salt water kill trees & white goods	$633,545	31,465	Paul Shelley, City Administrator 281-334-2799 pshelley@clearlakeshores-tx.gov	Kenneth (Kenny) Cock, Police Chief, 281-334-1035 ext. 202, kcook@clearlakeshores-tx.gov
2005 Hurricane Dennis Recovery Wakulla County, FL 7/15/2005-9/30/2005	▪ Hauled (ROW & Private) vegetative, C&D, C&D compacted & ash debris ▪ Reduced by burning ▪ Specialty Debris Removed: white goods	$424,468	59,323	Howar Kessler, County Board Chairman, 850-984-4933, hkessler@mywakulla.com	Cleve Fleming, Project Manager 850-926-7616, [redacted]
2005 Hurricane Katrina Recovery Hancock County, MS, Removal & Disposal of Junked/Abandoned Vehicles, 5/31/2007 – 6/25/2007	▪ Special Projects: Removal and disposal of junked / abandon small & large vehicles as well as boats.	$360,000	Lump Sum	Travis McCoy, Neel-Schaffer 601-948-3071 travis.mccoy@neel-schaffer	Brian Adams, EM Hancock County 228-466-8201
2012 Hurricane Isaac Recovery City of Biloxi, MS 9/11/2012 – 10/5/2012	▪ Hauled vegetative & C&D debris ▪ Special Projects: Removed and disposed of abandoned Boat	$287,511	25,001	Jonathan Kiser, PE, Neel Schaffer 228-374-1211, Jonathan.kiser@neel-schaffer.com	A. J. Holloway, Mayor 228-435-6254, mayor@biloxi.ms.us
2008 Non-Disaster Related Walton County, FL Hogtown Bayou Vessel Removal	▪ Special Projects: removed & disposed of vessels	$23,250	Lump Sum	Clerk of the Court, P.O. Box 1260, DeFuniak Springs, FL 32435	Valerie Angel, EM Planner 850-982-8065, vangel@waltonso.org

9.0 Capabilities

9.0 CAPABILITIES OF CROWDER GULF

9.1 Overall Capabilities

- **Forty (40) years of experience** in debris management for governmental agencies across **fourteen (14)** states.
- Successfully removed, reduced and disposed of over **two hundred and thirty million (230,000,000) cubic yards of debris.**
- Leader in disaster debris industry in the areas of **waterway debris removal** and beach sand screening and restoration.
- **Large waterway debris contracts** successfully completed in six coastal states.
- Twenty-six large **sand screening** and beach restoration contracts successfully completed since 2003.
- Successful in obtaining reimbursement for each and every client. **No client has been denied reimbursement.**
- Fully committed to using local citizens and qualified local subcontractors to the maximum extent, including MBE owners. **Ninety-five percent (95%) of CrowderGulf subcontractors are small-business and/or minority subcontractors. Over three-hundred (300) disaster recovery projects completed and CrowderGulf has never failed to complete a contract or defaulted on a contract.**
- **No lawsuits, liens, judgments or bankruptcy proceedings filed or pending.**
- **Completed major simultaneous** debris projects after hurricanes **Irene, Gustav, Dennis, Katrina, Rita, Wilma, Charley, Frances, Ivan, Jeanne and Isabel.**
- CrowderGulf has **previous FEMA Directors, Emergency Managers and FEMA trained Debris Specialists on staff.** Our Staff is well versed in the Code of Federal Regulations (44 CFR), FEMA's Debris Management Guide (FEMA 325), and Public Assistance Debris Monitoring Guide (FEMA 327). **Today, the staff collectively holds over 80 FEMA course certifications** and numerous OSHA Health and safety and hazardous materials classifications
- **Over 350 pieces** of company owned equipment available for rapid response.
- **Financial Resources** CrowderGulf's financial stability is solid and reliable. Over the years we have established an excellent line of credit with our financial institution and we have always paid our subcontractors and personnel weekly and we have met all financial obligations without interruption. Over the years, CrowderGulf has paid out millions of dollars before receiving any payments. CrowderGulf's long time commitment to pay subcontractors weekly has allowed us to attract the most experienced and well-equipped subcontractors in the nation. See **Appendix D** for Confidential Financial Balance Sheets and Income Statements. A complete financial statement or any other documention can be provided upon request.

9.2 Equipment Capabilities

9.2.1 Company-owned/Leased Equipment

We currently maintain a large inventory of company-owned equipment. A percentage of this inventory is debris specific and is immediately available for response to a disaster. Company-owned equipment will be dispatched to the disaster area immediately upon receipt of a Notice to Proceed. The following is a partial list of company-owned equipment available for use in any debris operation:

Equipment Type	No.
Shallow and deep water boats equipped with latest sonar and photo equipment	6
Barges, tugs and large boats for heavy marine debris removal	5
Cherrington Beach Cleaners 4500 & 4500 XL	5
Stationary Power Screens – (sand screener)	2
16 yard – 24 yard Dump Trucks	48
30 yard – 50 yard Dump Trucks	35
Rubber Tire Loaders (equipped with debris handling grapples)	26
Rubber Tire and Track Equipped Excavators (with buckets and grapples)	18
Self Loading Trucks; 30 – 100 cubic yards	65
Pick-Up Trucks (equipped with portable phones for Foremen)	25
Service Trucks	8
Skid-Steer Loaders (equipped with buckets and grapples)	10
Diamond Z 14' Tub Grinders	6

We have active accounts with all major national equipment rental companies to supplement our equipment needs as necessary (i.e. Caterpillar, John Deere, United Rental, Sunbelt, etc.).

9.2.2 Weeks Marine Equipment Capabilities

The Heavy Lift, Salvage and Marine Transportation Division of Weeks Marine, Inc. specialize in providing one stop waterborne services. They are able to accomplish this due to their vast inventory of floating equipment which includes tug boats, floating cranes, and deck barges.

9.2.3 Subcontractor Equipment

It is CrowderGulf's policy to utilize available qualified local subcontractors to the greatest extent possible. We also endeavor to employ a percentage of qualified Minority Business Enterprise (MBE) subcontractors. The database allows us to quickly identify companies by size, equipment and geographical location. The table below provides the number of subcontractors and their equipment listed in our database, in relation to the State

	East Coast	US 2013
Number of Registered Subcontractors	177	1686
Dump Trucks (16-65)	957	9532
Knuckle-boom trucks	148	1468
Wheel Loader 50hp – 150hp	329	2786
Hydraulic Excavator 50hp-150hp	366	3189
Low-bed Trailer w/ tractor	109	1102
Backhoe w/ loader 15	102	1080
Self loading truck	300	3091
Skid steer 40 hp – 80 hp	398	3832
C&D Walking Floor 80-110 CY	220	639
Bucket Trucks	90	890
Barges	53	213
Work Boats	28	321
Vacuum Trucks	36	217

A more detailed list of equipment may be found in **Appendix E**.

10.0 Location

10.0 LOCATIONS

Location of office that will be managing the contract:

26 Columbia Turnpike. 2nd Floor
Florham Park, NJ 07932

Company Contact:

Ashley Ramsay-Naile
Vice President
CrowderGulf
[redacted] Cell
800-992-6207 Office
[redacted] Fax
aramsay@crowdergulf.com

11.0 Statutory Requirements

REQUIRED SUBMISSION IF BIDDER INTENDS TO SUBCONTRACT

STATE OF NEW JERSEY
DIVISION OF PURCHASE AND PROPERTY (DPP)

SUBCONTRACTOR UTILIZATION PLAN

DPP Solicitation No.:
Jan-11-2013

DPP Solicitation Title:
RFQ - WATERWAY DEBRIS REMOVAL SERVICES

Bidder's Name and Address:
CrowderGulf, LLC
5435 Business Parkway
Theodore, AL 36582

Bidder's Telephone No.: 8009926207

Bidder's Contact Person: Ashley Ramsay

INSTRUCTIONS: List all businesses to be used as subcontractors. This form may be duplicated for extended lists.

SUBCONTRACTOR'S NAME ADDRESS, ZIP CODE TELEPHONE NUMBER AND VENDOR ID NUMBER	CHECK HERE IF CONTRACT IS NOT SMALL BUSINESS ☐ SMALL BUSINESS CATEGORY *			TYPE(S) OF GOODS OR SERVICES TO BE PROVIDED	ESTIMATED VALUE OF SUBCONTRACTS
	I	II	III		
Matrix New World Engineering, Inc. (SBE & WBE) 26 Columbia Turnpike Florham Park, NJ 07932 973.240.1800 (Vendor ID [redacted])			X	Consulting/Mgt.	25% of work
Weeks Marine, Inc. 4 Commerce Drive Cranford, NJ 07016-3598 908-272-4010				Dredging/Heavy Lift	15% of work

* For those Bidders listing Small Business Subcontractors: Attach copies of Division of Revenue - Small Business Enterprise Unit registration for each subcontractor listed. If bidder has not achieved established subcontracting set-aside goals, also attach documentation of good faith effort to do so in the relevant category in accordance with NJAC17:13-4 and the Notice to All Bidders.

I hereby certify that this Subcontractor Utilization Plan (Plan) is being submitted in good faith. I certify that each subcontractor has been notified that it has been listed on this Plan and that each subcontractor has consented, in writing, to its name being submitted for this contract. Additionally, I certify that I shall notify each subcontractor listed on the Plan, in writing, if the award is granted to my firm, and I shall make all documentation available to the Division of Purchase and Property upon request.

I further certify that all information contained in this Plan is true and correct and I acknowledge that the State will rely on the truth of the information in awarding the contract.

PRINCIPAL OF FIRM:

(Signature)	John Ramsay, President (Title)	1/16/13 (Date)

PB-SA-3
Revised 10/11

CROWDER GULF

Addendum Acknowledgements

Q&A

State of New Jersey

RFQ –Waterways Debris Removal Services

Electronic Questions and Answers

General

Question: In order to price the jobs effectively my firm would like to have our project manager drive around and get a visual of the debris. How might a potential bidder obtain a permit to get into the affected areas to assess the damage?

Answer: Bidders should contact Jonathan Wallace, Division of Purchase and Property, at 609-341-2976 to request access to restricted areas from the State Police.

Question: Are there any TDMA sites identified yet? Or, will this be the contractor's obligation to identify and receive permission to use prior to start of work?

Answer: No TDMA sites for waterway debris removal have been identified as of this time. The Department of Environmental Protection (NJDEP) has identified some potential sites along the coast.

Question: How far offshore do the debris removal zones extend?

Answer: This RFQ does not apply to off-shore areas.

Question: Permits should be the responsibility of the Owner. Will this be changed?

Answer: No, this will not be changed.

Question: What are the expected distances from the dredge areas to the placement areas for purposes of pricing logistics?

Answer: The NJDEP anticipates that most sand will be dredged from back bay areas and will be placed on beaches. In those cases, the distance between dredge sites and placement areas likely will be less than 1 mile. If the NJDEP selects inland areas for placement of sand, then the maximum distance would be approximately 3 miles.

Question: When does the sand material become the property of the Owner?

Answer: The State of New Jersey owns all storm-related debris in waters of the State.

Question: Is this a prevailing wage contract? If so, please provide the wage rates.

Answer: No, this is not a prevailing wage contract.

Question: Please define damage to private or public property that the Contractor shall be responsible for as a result from its performance of work pursuant to this Contract. If existing structure were damaged by Sandy, then how is the existing damage going to be documented in order for the Contractor to avoid being penalized for previous damage?

Answer: The State's debris monitor and/or Project Manager will document conditions prior to debris removal.

Question: Please provide the approximate designated water depths for the waterways inside the various debris removal zones.

Answer: Prior to the storm, Barnegat Bay depths ranged from less than 1 foot to over 30 feet, with the majority of the Bay in the range of 3 to 8 feet. The NJDEP estimates that prior to the storm, over 80% of the Bay was less than 5 feet deep.

The State has not designated water depths for either dredging or debris removal. Debris removal and dredging will comply with FEMA eligibility requirements, including any requirements relating to depth.

Question: How soon after submitting a proposal will the Contractor be notified if they have been selected to submit a best and final proposal?

Answer: The State cannot provide a firm date by which it may select Bidders to submit Best and Final Offers.

Question: Are there any requirements / restrictions on the type of dredge equipment utilized?

Answer: Use of side-casting dredge equipment is prohibited unless approved in advance in writing by the NJDEP. For dredge equipment that is typically used in New Jersey, please refer to the NJDEP's Dredging Technical Manual referenced in Paragraph 3.6.6 of the RFQ.

Question: Who will make the final determination of what debris is removed?

Answer: The State of New Jersey shall make such determinations in collaboration with the Contractor, the debris monitor, FEMA and the State's Project Manager.

Question: What is the process for determining which debris is removed in which manner?

Answer: The process for determining which debris will be removed will be established by the State's Project Manager. The Contractor is responsible for determining the method and manner of debris removal operations. See Paragraph 3.1 of the RFQ.

Question: What is the Contractor's responsibility for identifying debris to be removed?

Answer: The Contractor's responsibility for identification of debris is set forth in the RFQ at paragraph 3.6.1 (General Requirements).

Question: When will the Contractor be notified of the location of all the debris to be removed?

Answer: Once the Contractor is given notice to initiate work within a Zone the Contractor will mobilize to the Zone and assess waterway debris utilizing, among other things (e.g., shorelines surveys, side-scan sonar) information available in the RFQ and the NJDEP's Waterway Debris Resources webpage, the Contractor will present the State's Contract Manager with a plan for debris removal in the Zone. The Contractor is responsible for identifying debris to removed.

Question: The RFQ states that "The State Contract Manager will issue an initial task order and provide the contractor with a prioritized list of debris to be removed by Zone." Please clarify.

Answer: The State Project Manager or the State Contract Manager will issue an initial task order and will direct the Contractor in debris removal priorities.

Question: Please state the process in which the Contractor receives final acceptance for debris removal and sand screening / placement items.

Answer: See Section 3.6.18 of the RFQ (page 24) – Verification of Debris Removal.

Question: Will there be a variation in estimated quantities clause?

Answer: The State is not estimating quantities as part of this RFQ.

Question: Can you specify the navigable waterways in which the debris removal Contractor will be operating?

Answer: The RFQ is not limited to waterways that used for particular purposes.

Question: Can the resumes be counted as required documents instead of being counted as part of the 50 pages of the proposal?

Answer: Resumes can be included in an Appendix and will not count toward the 50 page limit.

Question: Can you provide a current list of Approved NJDEP offloading sites?

Answer: The NJDEP has not yet approved any Offloading Sites. The State is currently focusing its effort on publicly-owned boat ramps and marinas as Offloading locations. Information on publicly-owned boat ramps and marinas is available on the NJDEP Waterway Debris Resources website at: http://www.nj.gov/dep/special/hurricane-sandy/wwdebris.htm

Question: Can you provide the total square miles or acres for each zone and miles of total shore line?

Answer: Estimated acreage of each Zone is set forth below. These numbers are only estimates and are subject to change.

Zone Name	Zone Number	Acres
Metro	1	18,777
Raritan Bay	2	33,087
Monmouth County Tidal Streams	3	2,103
Barnegat Bay North	4	4,758
Mid Barnegat Bay A	5	6,073
Mid Barnegat Bay B	6	24,809
Southern Barnegat Bay	7	12,927
Little Egg Harbor A	8	14,597
Little Egg Harbor B	9	20,346
Great Bay	10	19,295
Southern Zone	11	60,875

The areas were calculated by GIS. In estimating area, the following delineations were made:

Zone 1: For purposes of estimating area, the NJDEP computed the area of inland waterways.
Zone 2: For purposes of estimating area, the NJDEP drew a random boundary from the northern tip of Sandy Hook due west.
Zone 3: For purposes of estimating area, the NJDEP computed the area of the Manasquan River watershed.
Zones 4-10: For purposes of estimating area, the NJDEP computed the area of inland waterways for each Zone.
Zone 11: For purposes of estimating area, the NJDEP computed the area of inland waterways on the eastern shore, the area of inland waterways along Delaware Bay and the area from the Delaware Bay coast line to a distance of 1000 feet into the Bay (randomly selected).

Question: The RFP states removal of debris from coastal and tidal waters, does this include removal of debris from the Atlantic side of the zones, and if so, how far out from the coast line?

Answer: The RFQ does not include removal of debris from the Atlantic Ocean.

Question: There are a number of regulated areas that will be encroached upon to facilitate the debris removal (CAFRA, Coastal Wetlands, Waterfront Area, etc.), can we assume that all of the debris removal work (including temporary staging areas) will be performed using a combination of Emergency Permits or has that requirement been waived by the State?

Answer: The NJDEP will issue emergency permits.

Question: If Emergency Permits are to be used, will the selected contractor be required to file the "post issuance" permit applications?

Answer: Yes.

Question: Which of the many Bureaus at NJDEP will be responsible for reviewing and approving the plan for avoiding and minimizing impacts/injury to natural resources?

Answer: Office of Dredging and Sediment Technology (with input from the Division of Fish & Wildlife and State Historic & Preservation Office), Division of Land Use Management (Bureau of Tidelands Management), and Solid & Hazardous Waste Program.

Question: Are the sand berms on the beaches in Ortley Beach, Seaside Heights, Seaside Park, Mantoloking, Lavallette, and the like, included in this contract? If so, what are you going to do with all the sand? Will it be screened and placed back on the beach? If it's part of another contract, which one?

Answer: It is not clear what the bidder is asking. Removal of sand from beaches is not included in this RFQ.

Question: What will be done with the sand washed up on private property?

Answer: This RFQ does not apply to removal of terrestrial debris.

Section 1

Reference: Paragraph 1.1, Pages 2-4
Issue: On pages 2-3 the RFQ states, "Zones are described below in order of decreasing priority." Then the zones are listed as follows: North Region- Zones 1 and 2; Central Region- Zones 3, 4, 5, 6, and 7; and South Region- Zones 8, 9, 10, and 11. On pages 3-4 the RFQ lists Priorities and groups Zones as follows: Priority A- Zones 4, 5, 8, and 9; Priority B- Zone 6; Priority C- Zones 2, 3, and 7; and Priority D -Zones 1, 10, and 11. These two descriptions seem to conflict with each other.

Question: Can the State please clarify the priority of zones?

Answer: The description of the Regions and Zones set forth on pages 2-3 lists the zones in geographical order only (north to south).

The description of the Zones set forth in the list on pages 3-4 lists the Zones in order of priority.

Reference: Side Scan Sonar.
Issue: Utilization of this equipment in areas that are relatively small in size.

Question: Will the State accept an alternative "daily rate" for Sonar Vessels in areas that are "small" i.e., 500 acres or less?

Answer: No.

Reference: Side Scan Sonar
Issue: Progress

Question: Will there be a "waiting period" after the waters have been through the Side Scan Sonar process before vessel(s) can be removed?

Answer: The State has not designated a waiting period.

Reference: Side Scan Sonar
Issue: Post construction sonar survey

Question: Will a post construction sonar survey be required; and if so are we to include it in our yardage price?

Answer: See Paragraph 3.6.18 of the RFQ.

Reference: N/ A
Issue: Priority

Question: Will the State set "Priority areas" for vessel removal operations? If so how will this be accomplished, i.e., targets, grids, waterways?

Answer: The State's debris removal priorities are set forth in Paragraph 1.1 of the RFQ. The State has not established priorities for types of waterway debris removal, but the State Project Manager may do so in collaboration with the NJDEP and the Contractor after the contract is awarded.

Reference: Pricing
Issue: Partially submerged vs. fully submerged vessels

Question: It appears the expectation is for the Contractor to not differentiate a price between partially submerged and fully submerged vessels, is this correct?

Answer: Yes, that is correct.

Reference: Private Property
Issue: Vessels stranded on private property.

Question: In the 11 zones identified, what percentage of the waterway debris, wreckage, vessels & vehicles is located on privately owned submerged land?

Answer: At this time, the NJDEP has not quantified the percentage of waterway debris that is located in waters of the State that overlies lands that the State has transferred to private parties pursuant to riparian grants. State law allows the State to remove abandoned vessels from public land or waterways or private property. N.J.S.A. 12:7C:9(b)(1).

Reference: Private Property
Issue: Right of Entry

Question: What methods will NJDEP use to inform the contractor of privately held submerged land parcels that cannot be entered?

Answer: To the extent that this is required, the State Contract Manager or State Project Manager will notify the Contractor in writing.

Reference: Private Property
Issue: Right of Entry

Question: Does the NJDEP have approved eligibility for removal and disposal of debris, wreckage, vessels and vehicles from FEMA for all privately owned areas of submerged land?

Answer: State law allows the State to remove abandoned vessels from public land or waterways or private property. N.J.S.A. 12:7C:9(b)(1). With respect to other types of waterway debris, the State does not have approved eligibility.

Reference: Private Property
Issue: Right of Entry

Question: Will the NJDEP secure Right of Entry/Hold Harmless forms from all private owners of submerged land in the 11 zones before work commences?

Answer: State law allows the State to remove abandoned vessels from public land or waterways or private property. N.J.S.A. 12:7C:9(b)(1). With respect to other types of waterway debris, the State is working with FEMA to ensure that the State has authorization to enter privately-owned submerged tidelands.

Reference: Private Property
Issue: Hold Harmless

Question: Will the awarded contractor(s) be included in the Hold Harmless document from actions other than negligence brought by private owners of submerged lands in the 11 zones?

Answer: No.

Reference: Private Property
Issue: The zones extend inland to the extent of the FEMA produced New Jersey Interim High Resolution Surge Areas, which will include many thousands of privately held land parcels.

Question: Does the NJDEP intend for this contract to remove all debris and wreckage from the included privately held parcels and if so will the NJDEP secure the Right of Entry/Hold harmless forms from all private land owners prior to the commencement of work?

Answer: The State intends to remove waterway debris that is Eligible Debris (as defined in the RFQ). State law allows the State to remove abandoned vessels from public land or waterways or private property. N.J.S.A. 12:7C:9(b)(1). With respect to other types of waterway debris, the State is working with FEMA to ensure that the State has authorization to enter privately-owned submerged tidelands.

Question: Referring to RFQ, page 10, Section 3.1; the State seems to be looking for cost estimates after tasking, which contradicts the intent of the Cost Proposal Form. Please clarify? Would the State consider an alternative price proposal which provides daily or hourly equipment and personnel rates?

Answer: Bidders are to bid the prices on the attached Price Proposal Form. When the State issues a Task Order for a prioritized list for debris removal within a Zone, the contractor will provide a cost estimate for the actual work based on its bid prices.

No, the State is not seeking hourly equipment or personnel rates. Payments based on time and material costs are limited to work performed during the first 70 hours of actual work following a disaster event.

Reference: Section 3.2
Issue: Zone Operations Manager (ZOM)

Question: Does the state wish to have the Contractor(s) assign a separate ZOM to each of the 11 zones?

Answer: Yes.

Reference: RFQ Section: 3.6.5 and subsections, Pages 16-17
Issue: Section 3.6.5 lists debris categories as Vegetative Waste, Construction and Demolition ("C&D") Waste (Type 13C/Type 27A), White Goods/Household Appliances (Type 13), Scrap Metal, and E-waste. However, the subsections to RFQ Section 3.6.5 (i.e., 3.6.5.1, 3.6.5.2, 3.6.5.3, 3.6.5.4, and 3.6.5.5) don't match. They are as follows: 3.6.5.1 Vegetative Waste, 3.6.5.2 Construction and Demolition r'c&D") Debris, 3.6.5.3 Aggregate, 3.6.5.4 White Goods/Household Appliances, and 3.6.5.5 Scrap Metal.

Question: Are their requirements missing from the RFQ that must be addressed in our proposal response to this section (e.g., E-waste)?

Answer: The State has added Section 3.6.9 to the RFQ to include E-waste and has renumbered the following sections in the RFQ. In addition, a price line has been added to the revised Price Proposal Form to include E-waste.

Attachment A (Price Proposal Form)

Question: Waterway debris can be removed by two methods which carry significant different costs, either by land based equipment or by water based equipment. Would you consider breaking the line items down to account for these different operations?

Answer: No, Bidders must bid the price lines in the Price Proposal Form.

Issue: Sand Collection, Line 11

Question: What method of dredging is preferred for the removal of displaced sand from the waterway?

Answer: Use of side-casting dredge equipment is prohibited unless approved in advance in writing by the NJDEP. Other than that prohibition, the State has no preference for dredging methods. Dredging methods utilized must be cost-effective.

Issue: Sand Collection, Line 11

Question: Will the units of measure be calculated by Side Sonar Scanning (Lines 25-29), volumes showing before and after scan, for this line item?

Answer: For sand that is being placed on a beach, the volume will be measure in cubic yards (CY) and will be determined based on actual physical measurements. For sand that is pumped into marsh areas, the volume will be measured in CY and will be determined by before/after side-scan sonar.

Question: Price Proposal Form, Line 11- Sand Collection - How is sand collection measured and calculated for payment?

Answer: The sand collection is measured by cubic yards and miles.

Question: How does a contractor propose "all-inclusive, firm-fixed" pricing for debris that could be in significantly different water depths or marshlands within any particular zone?

Answer: Bidders should refer to the documents on the NJDEP Waterway Debris Resources website at: http://www.nj.gov/dep/special/huricane-sandy/wwdebris.htm and answers to relevant questions posted herein.

Attachment F (TDMA Operation Guidelines)

Reference: TDMA Guidelines (Attachment F, aka Attachment 13)
Issue: Standards and/or Protocols. There are no specific protocols or standards mandated for soil or groundwater sampling, groundwater-monitoring wells or hazardous waste, ash, fuel storage areas sampling/monitoring.

Question: What are the specific protocols and/or standards that are to be followed according to the NJDEP for the abovementioned sampling/monitoring operations?

Answer: If groundwater and soil testing is required, testing shall comply with NJDEP technical guidance at http://www.state.nj.us/dep/srp/guidance.

Question: Can a list of interested bidders be provided?

Answer: The State will not know the bidders until the proposals are submitted.

Question: What is the expected timeframe for this contract to be awarded?

Answer: The State cannot provide a specific date for anticipated contract award but the State intends to award the contract(s) as soon as possible after the proposal submission date.

Reference: Pricing Issue: Partially submerged vs. fully submerged vessels

Question: It appears the expectation is for the Contractor to not differentiate a price between partially submerged and fully submerged vessels, is this correct?

Answer: Yes, this is correct.

Question: Referring to RFQ, page 10, Section 3.1; the State seems to be looking for cost estimates after tasking, which contradicts the intent of the Cost Proposal Form. Please clarify?

Answer: Bidders are to bid the prices on the attached revised Price Proposal Form. When the State issues a Task Order for a prioritized list for debris removal within a Zone, the contractor will provide a cost estimate for actual work based on its bid prices.

Question: Would the State consider an alternative price proposal which provides daily or hourly equipment and personnel rates?

Answer: No, Bidders are referred to the answer to the previous question.

Reference: Section 3.2
Issue: Zone Operations Manager (ZOM)

Question: Are resumes required for Zone Operations Manager(s) and if so will the resumes count against the 50 page restriction?

Answer: Bidders should submit a resume for the Zone Operations Manager(s) under Section 4.7 of the RFQ. Any resumes submitted by a Bidder can be placed in an Appendix will not count in the 50 page limit restriction.

Section 8

Question: On page 35 of RFQ, Section 8.3 – State Project Manager – Is this a possible typo? Should first and second paragraphs be the State ***Project*** *Manager rather than the State* ***Contract*** *Manager?*

Answer: Yes, this is an error. The first and second paragraphs of Section 8.3 should refer to the State Project Manager.

Attachments

Issue: The index of attachments key does not match the actual letter of the specific attachment in all cases.

Question: Can you supply a revised Index of attachments that corresponds exactly to each specific attachment?

Answer: The State will provide a revised Index of Attachments with corrected references to the specific documents.

Question: Within the RFQ reference is made to Attachment A "Price Proposal Form", but when I downloaded the form from your website, The Price proposal form is labeled as "Attachment 1". Is this the correct form which consists of just one page?

Answer: The Price Proposal Form labeled "Attachment 1" is the same Form as "Attachment A." The State is providing a revised Index of Attachments.

Question: The Price proposal form appears to be customized for previous land based type of debris removal contracts but doesn't appear to allow for a contractor to be all encompassing in his potential pricing that might be experienced when assigned a task order. Would the State

consider throwing out this particular form and create a more detailed form or eliminate this requirement all together or allow the contractor to propose his own form that captures costs of his owned or leased equipment?

Answer: No, Bidders are required to use the Price Proposal Form included in the Attachment package.

Issue: Missing Line Items?

Question: Line Items 1-9 only request rates for removal and transport from the Offload to the Final Disposal location. Did the State inadvertently leave off line items for the removal & transport of vegetative and C&D debris from the water and loading it on a transporter in order to get it from the water to the Offloading location?

Answer: The State is issuing a revised Price Proposal Form including more price lines for removal and transport of vegetative and C&D debris.

Question: The Price Proposal form does not include any provision for mobilization, demobilization and equipment characterization. How does a contractor propose pricing for such mobilization, demobilization, and equipment utilization for a presently unknown quantity of work in a large geographic zone?

Answer: Bidders should refer to the documents on the NJDEP Waterway Debris Resources website at: http://www.nj.gov/dep/special/huricane-sandy/wwdebris.htm and answers to relevant questions posted herein.

Question: Would the State consider an auditable, cost reimbursable, indirect quantity-indirect delivery, level of effort type contract for the efforts contemplated under the RFQ? Such contract arrangements already exist between the private sector and the U.S. Navy, and the U.S. Coast Guard.

Answer: No, the State will not consider a level of effort type contract for this RFQ.

Question: Under the Price Proposal Form, lines #9, "White Goods Removal to Disposal Site" and #10, "Freon Management"; within units, it shows costs required to be proposed on a unit basis. What is considered as "the unit"? Absent knowing where the unit is located (i.e. dry, submerged, marshland); how does the contractor propose pricing?

Answer: Bidder is referred to Section 3.6.5.4 of the RFQ defining the types of appliances considered "white goods." Bidders are to provide pricing for removal from waterways, not dry land.

Question: Is attachment 1, Price Proposal Form limited to land transportation costs for lines 1-29, and that all incidental costs will be negotiated separately at the time of a specific task order?

Answer: No, Bidders are to bid all-inclusive prices for the quantities noted on the revised Price Proposal Form.

Question: Can a contractor only propose pricing for all zones within one or two of the geographic regions? Is a bid for less than three geographic regions unresponsive?

Answer: A Bidder must bid all lines for all Zones or be deemed nonresponsive.

Issue: Line 30 Operation of a vehicle/vessel aggregation site.

Question: Would the State consider adding to the Unit description "Per day and per unit" i.e. per vessel/vehicle per day as using per day only does not cover the varying requirements based on the number of vessels/vehicles recovered?

Answer: No, the State will not adding consider a per day usage description to the revised Price Proposal.

Issue: There is no haul out pricing for any of the line items.

Question: Will the state consider adding a line item to load and transport from the TDMA to the final disposal site?

Answer: Yes, the State is issuing a revised Price Proposal Form.

Issue: Transport sand from TDMA back to beach 3.6.6 SAND Sand that has been determined through analytical testing to be uncontaminated and is otherwise suitable for placement on beaches shall be restored (e.g., screened) by the Contractor to pre-storm beach quality. The Contractor may be directed by the State to transport the sand to a designated beach.

Question: There is no line item to transport sand from the TDMA back to beach; how will this cost be covered?

Answer: Bidder is referred to Price Lines 12 to 15 entitled "Uncontaminated Sand Transport."

Question: Price Proposal Form, Measure of Distance - Is the distance just measured for transportation by road, or does this include distance via marine transportation also?

Answer: Bidder is referred to the price lines in which the distances noted are defined

Question: Price Proposal Form, Verification of Debris Removal - Will there be a line item for Identification of Debris to be removed?

Answer: Yes, Bidders are referred to revised Section 3.6.18 of the RFQ and the revised Price Proposal Form for information regarding Pre-Removal Assessment.

Question: If TDMA is required, I do not see pricing from offloading site to TDMA, and then from TDMA to final disposal?

Answer: The State is issuing a revised Price Proposal Form with additional price lines.

Question: On Attachment 1: Pricing Proposal Form, at the bottom of the page it refers to "Total State price is the single price that bidder would offer, per price line, for all Zones in the State". I do not see where a column for "single state price" has been added to the price proposal form?

Answer: The State has added a column for a "single state price" to the revised Price Proposal From.

Question: On the Pricing Proposal Form, line item 1-8, this price is broken down by distance from offloading site to final disposal. Shouldn't this be from debris location to final disposal? We have not been given the exact area or length of each zone, therefore we do not know how far the debris will have to travel over the water to the offloading site. Therefore, line items 1-8 should be total distance the debris has traveled from original debris removal location to final disposal.

Answer: Bidder is referred to the revised Price Proposal Form which has the following distance measures: Offload to TDMA; TDMA to final disposal and Offload to final disposal.

Question: Will the pre-sonar services to identify debris be included in this RFP as a required task, and if so, will they be paid by the acre under pricing line items 25-29? Or does this need to be included in the cubic yard rate for debris removal?

Answer: The State is issuing a revised Price Proposal Form with additional price lines for Pre-Removal Assessment.

Question: Under pricing line items 25-29, Verification of Debris Removal, will this be paid by the acre? If this will not be paid by the acre, will it be included in the cubic yard rate for debris removal?

Answer: Bidder is referred to the revised Price Proposal Form pricing lines 25-29 in which price per acre is the stated unit.

12.0 Appendices

Appendix A – Letters of Commitment

State of New Jersey

RFQ –Waterways Debris Removal Services

Matrix New World Engineering, Inc.

26 Columbia Turnpike

Florham Park, NJ 07932
973.240.1800 Fax [redacted]
www.matrixneworld.com

MATRIXNEWORLD
Enabling Progress

January 16, 2013

Mr. John Ramsay
CrowderGulf, LLC
5435 Business Parkway
Theodore, AL. 36582

Re: NEW JERSEY REQUEST FOR QUOTATIONS FOR WATERWAY DEBRIS REMOVAL SERVICES
LETTER OF AGREEMENT AND COMMITMENT

Matrix New World Engineering, Inc. (Matrix) is pleased to commit our company resources to support CrowderGulf's efforts in responding to any resulting work from the above referenced RFQ. We welcome the opportunity to serve as a consultant in any capacity. It is our intent to enter into a subcontract or lease agreement with CrowderGulf, LLC.

We look forward to continuing our relationship with CrowderGulf. Please do not hesitate to contact us at 973-240-1800 should you require additional information

Sincerely,

Jayne Warne, PE
President

WEEKS MARINE, INC.

DREDGING – MARINE CONTRACTORS
STEVEDORING – EQUIPMENT RENTALS
TOWING – HEAVY LIFT - SALVAGE

4 COMMERCE DR., 2ND FLOOR, CRANFORD, NEW JERSEY 07016-3598 (908) 272-4010 FAX: [redacted]

January 16, 2013

To:John Ramsay
CrowderGulf, LLC
5435 Business Parkway
Theodore, AL. 36582

Re: New Jersey Request For Quotations For Waterway Debris Removal Services
Letter of Agreement and Commitment

Weeks Marine, Inc., is pleased to commit our company resources to support CrowderGulf's efforts in responding to any resulting work from the above referenced RFQ. We welcome the opportunity to serve as a subcontractor in any capacity. It is our intent to enter into a subcontract or lease agreement with CrowderGulf, LLC for the direct performance and management of all dredging work for the above referenced RFQ.

We look forward to continuing our relationship with CrowderGulf. Please do not hesitate to contact us should you require additional information.

Sincerely,

R.D. MacDonald

Richard D. MacDonald
Sr. Vice President

CROWDER GULF

Appendix B – Past Performance

State of New Jersey

RFQ –Waterways Debris Removal Services

APPENDIX B – CrowderGulf Past Performance Chart with References

(Company Confidential & Proprietary Information)

The chart below contains a partial listing of contracted work accomplished by CrowderGulf as Prime Contractor (unless otherwise stated). A complete list can be made available dating back to Hurricane Frederick in 1979.

OWNER & TIMELINE	DESCRIPTION OF WORK	PROJECT VALUE	PROJECT CY	CONTRACTING POINT OF CONTACT	
2012 Hurricane Sandy Recovery	➢ 2 Contracts Activated	➢ $52,605 Invoiced	➢ 399 tons		
Town of Kitty Hawk, NC 11/13/2012-Current	▪ **Hauled** vegetative & C&D debris	$31,537.59	399 tons	**Willie Midgett**, Director of Public Works 963 W Kitty Hawk Rd., Kitty Hawk, NC 27949, 252-261-1367 wmidgett@kittyhawktown.net	**John Stockton**, Town Manager 101 Veterans Memorial Dr., Kitty Hawk, NC 27949, 252-261-3552, jstockton@kittyhawktown.net
City of Fort Lauderdale, FL 11/1/2012-11/2/2012	▪ **Special Projects**: removed sand debris from roadways	$21,068	Hourly	**Albert Carbon**, Public Works Director 220 SW 14th Ave #4a. Ft. Lauderdale, FL 33312, 954-828-5341 ACarbon@fortlauderdale.gov	**Greg Slagle**, Public Works Department 220 SW 14th Ave #4a, Ft. Lauderdale, FL 33312, 954-828-5341, GSlagle@fortlauderdale.gov
2012 Hurricane Isaac Recovery	➢ 9 Contracts Activated	➢ $1,667,976 Invoiced	➢ 172,708 CY	➢ 3 DMS Managed	
City of Biloxi, MS 9/11/2012 – 10/5/2012	▪ **Hauled** vegetative & C&D debris ▪ **Special Projects**: Removed and disposed of abandoned Boat	$287,511	25,001	**Jonathan Kiser, PE**, Neel Schaffer 772 Howard Ave., Biloxi, MS 39530, 228-374-1211, Jonathan.kiser@neel-schaffer.com	**A. J. Holloway**, Mayor 140 Lamuese Street 2nd Floor,Biloxi, MS 39630, 228-435-6254, mayor@biloxi.ms.us
Town of Dauphin Island, AL 8/31/2012-Present	▪ **Push** ▪ **Hauled** sand debris for screening and returning to the beach (ROW & FHWA)	$948,930	116,586	**Bryan Milling**, True North, Monitoring 707-502-2795, bmilling@truenorthem.com	**Wanda Sandagger**, Admin. Assist. 1011 Bienville Blvd, Dauphin Island, AL 36528, 251-861-5525, wsandagger@townofdauphinisland.org
Town of Fort Myers Beach, FL 9/5/2012-9/17/2012	▪ **Special Projects**: removed debris & provided repairs	$20,305	Hourly	**Cathie Lewis,** PW Director 2523 Estero Blvd Fort Myers Beach, FL 33931, 239-765-0202 ext. 138, Cathie@FortMyersBeachFL.gov	**Michelle Mayher**, Town Clerk 2523 Estero Blvd Fort Myers Beach, FL 33931 239-765-0202 ext. 114, MICHELLE@fmbeach.org
City of Key West, FL 8/28/2012-8/31/2012	▪ **Special Projects**: Cleaned the beaches of debris	$76,683	Hourly	**Scott Fraser**, FEMA Coordinator / Floodplain Administrator, 626 Josephine Parker Dr, Key West, FL 33040, 305-809-3810, sfraser@keywestcity.com	**Craig Marston,** Division Chief / Fire Marshall 1600 N. Rocsevelt Blvd., Key West, FL 33040, 305-809-3942, cmarston@keywestcity.com
City of Magnolia, MS 9/20/2012-10/15/2012	▪ **Hauled** vegetative and mulch debris ▪ **Reduced** by grinding	$20,761	4,650	**Melvin Harris**, Mayor 180 South Cherry St, Magnolia, MS 39652	**Bryan Milling**, True North, Monitoring 707-502-2795, bmilling@truenorthem.com
City of McComb, MS 9/27/2012-10/23/2012	▪ **Hauled** vegetative and mulch debris ▪ **Reduced** by grinding ▪ **Specialty Debris Removed:** Hazardous leaners and hangers	$169,965	17,712	**Philip Russell**, Public Works Director 601-684-3497, prussell@mccomb-ms.gov	**Bryan Milling**, True North, Monitoring 707-502-2795, bmilling@truenorthem.com
City of Orange Beach, AL 8/30/2012-9/1/2012	▪ **Special Projects**: Cleaned the beaches of debris	$8,265	Hourly	**Nicole Woerner**, Coastal Resources Planner 4101 Orange Beach Blvd, Orange Beach, AL 36561, 251-981-1063, nwoerner@cityoforangebeach.com	**Phillip West**, Costal Resource Manager 4101 Orange Beach Blvd., Orange Beach, AL 36561, 251-981-6788, pwest@cityoforangebeach.com
City of Pascagoula, MS 9/7/2012-9/20/2012	▪ **Hauled** vegetative & C&D debris ▪ **Provided** Generators ▪ **At Cost Services:** landfill tipping fees	$123,910	10,708	**Bryan Milling**, True North, Monitoring 707-502-2795, bmilling@truenorthem.com	**Steve Mitchell**, Operations Manager 4015 14th St, Pascagoula, MS 39567, 228-372-6835, smitchell@cityofpascagoula.com
Walton County, FL 9/1/2012-9/2/2012	▪ **Special Projects**: Cleaned the beaches of debris	$11,646	Hourly	**Major Joseph Preston**, Director of Support Services and Emergency Management 752 Triple G Rd, DeFuniak Springs, FL 32433, 850-951-4721, jpreston@waltonso.org	**Al Ford**, EM Coordinator 752 Triple G Road, DeFuniak Springs, FL 32433, 850-892-8065, aford@waltonso.org
2012 Tornado Recovery					
Polk County, FL 6/27/2012 – 7/10/2012	▪ **Hauled** vegetative debris	$18,062	244 Tons	**Nelson Stiles**, P.E., MPA, Capital Projects Manager, 1011 Jim Keene Blvd., Winter Haven, FL 33880, 863-298-4238, nelsonstiles@polk-county.net	**Lance Davis**, Roadway Maintenance Manager 3000 Sheffield Rd, Winter Haven, FL 33880, lancedavis@polk-county.net

APPENDIX B – CrowderGulf Past Performance Chart with References

OWNER & TIMELINE	DESCRIPTION OF WORK	PROJECT VALUE	PROJECT CY	CONTRACTING POINT OF CONTACT	
2012 Tropical Storm Debbie Recovery	➢ 1 Contract	➢ $31,202 Invoiced		➢ 1 DMS Managed	
Town of Fort Myers Beach, FL 6/28/2012-7/10/2012	▪ **Special Projects**: removed debris & provided repairs	$31,202	Hourly	**Cathie Lewis,** PW Director 2523 Estero Blvd Fort Myers Beach, FL 33931, 239-765-0202, Cathie@FortMyersBeachFL.gov	**Michelle Mayher**, Town Clerk 2523 Estero Blvd Fort Myers Beach, FL 33931, 239-765-0202 ext. 114, MICHELLE@fmbeach.org
2012 Tropical Storm Beryl Recovery	➢ 1 Contract	➢ $92,421 Invoiced	➢ 16,576 CY	➢ 1 DMS Managed	
Nassau County, FL 6/11/2012-7/17/2012	▪ **Hauled** vegetative debris ▪ **Reduced** by grinding ▪ **Special Projects**: Cleaned beaches from Seaweed debris	$92,421	16,576	**Jonathan Page,** Nassau County Engineer 96161 Nassau Place, Yulee, FL 32097, 904-491-7330, jpage@nassaucountyfl.com	**Scott Herring**, Public Works Director 46026 Landfill Road, Callahan, FL 32011, 904-491-7330, sherring@nassaucountyfl.com
2011 Hurricane Irene Recovery	➢ 24 Contracts	➢ $14,754,641 Invoiced	➢ 1,518,199 CY & 25,937 Tons	➢ 9 DMS Managed	
Chowan County, NC 10/11/2011	▪ **Special Projects**: ground vegetative debris & hauled & spread mulch on location	$23,665	8,191	**Cordell Palmer**, EM Coordinator 305 West Freemason St., Edenton, NC 27932, 252-482-8484, cord.palmer@chowan.nc.gov	**Edward Goodwin**, Chairman – Board of Commissioners, 1015 Macedonia Rd., Edenton, NC 27932, 252-482-8431, Edward.goodwin@chowan.nc.gov
Colonial Williamsburg Foundation, VA 10/12/2011-10/23/2011	▪ **Hauled** vegetative & mulch debris ▪ **Reduced** by grinding	$9,100	Lump Sum	**Rollin Woolley**, Contract Administrator, P.O. Box 2600, Williamsburg, VA 23187, rwolley@cwf.org	
Dare County, NC 9/2/2011-12/6/2011	▪ **Hauled** ROW vegetative , C&D & ash ▪ **Reduced** by ACI burning (2 sites) ▪ **Specialty Debris Removed:** Hazardous Waste, abandoned travel trailers, white goods, e-goods	$3,590,997	292,522 & 36 Tons	**Edward Lee Mann**, PW Director 1018 Driftwood Dr, Manteo, NC 27954 252- 475-5880 Edwardlee@darenc.com	**David Clawson**, Finance Director 954 Marshall C. Collins Dr., Manteo, NC 27954, 252-475-5730, davec@darenc.com
Town of Duck, NC 9/2/2011-10/1/2011	▪ **Hauled** vegetative, C&D & ash debris ▪ **Reduced** by ACI burn	$62,738	523 Tons	**Chris Layton**, Town Manager 1240 Duck Rd., Suite 106, Duck, NC 27949, 252-255-1234 clayton@townofduck.com	**Lori Kopec,** Town Clerk 1240 Duck Rd., Suite 106, Duck, NC 27949, 252-255-1234, lkopec@townofduck.com
Town of Edenton, NC 9/2/2011-10/10/2011	▪ **Hauled** vegetative & mulch debris ▪ **Reduced** by grinding ▪ **Special Projects:** ground vegetative debris hauled by the Town	$65,573	13,917	**Anne-Marie Knighton**, Town Manager 400 S Broad Street, Edenton, NC 27932, 252-482-7352, anne-marie.knighton@edenton.nc.gov	**John Norris,** Public Works Director, 510 Robin Lane, Edenton, NC 27932, 252-482-4111, john.norris@edenton.nc.gov
Edgecombe County, NC 9/14/2011-11/4/2011	▪ **Hauled** vegetative, C&D & mulch debris ▪ **Specialty Debris Removed:** leaners & hangers ▪ **Reduced** by grinding ▪ **At Cost Services:** landfill tipping fees ▪ *5 towns - Taraboro, Maccelsfield, Princeville, Pinetops, Speed*	$1,519,737	11,716 Tons	**Dee Waters,** Purchasing Manager 201 St. Andrews St., Suite 205, Tarboro, NC 27886, 252-641-7888, dee.waters@co.edgecombe.nc.us	**Lorenzo Carmon,** County Manager, 201 St. Andrew St., Tarboro, NC 27886, 252-641-7834, lcarmon@co.edgecombe.nc.us
City of Jacksonville, NC 9/12/2011-10/7/2011	▪ **Hauled** and disposed of vegetative debris	$351,594	54,081	**Ron Massey,** Assistant City Manager P.O. Box 128,Jacksonville, NC 28451 910-938-5220, rmassey@ci.jacksonville.nc.us	**Jennifer Maready,** Accounting Manager 910- 938-5237, jmaready@ci.jacksonville.nc.us
James City County, VA *Contract with Virginia Peninsulas Public Service Authority (VPPSA)* 9/2011–12/2011	▪ **Hauled** vegetative debris ▪ **Reduced** by grinding ▪ **Specialty Debris Removed**: leaners/hangers, hazardous stumps	$1,879,198	211,553	**John Horne**, General Services Manager 113 Tewning Rd., Williamsburg, VA 23188, 757-565-0971, john.horne@jamescitycountyva.gov **Jim Hill,** Solid Waste Superintendent 1201 Jolly Pond Rd., Yorktown, VA 757-565-0971, jhill@james-city.va.us	**Stephen B. Geissler**, Executive Director VPPSA 475 McLaws Circle, Ste 3B, Williamsburg, VA 23185, 757-259-9850, sbgeissler@vppsa.org
Town of Kill Devil Hills, NC 9/6/2011-10/4/2011	▪ **Hauled** vegetative, C&D & ash debris ▪ **Reduced** by ACI burning	$188,899	24,849	**Steve Albright,** Asst. Public Services Dir. 107 Town Hall Dr., Kill Devil Hills, NC 27948 252-480-4080, steve@kdhnc.com	**Meredith Guns,** Asst. Planning Director 102 Town Hall Dr., Kill Devil Hills, NC 27948 252-449-5318, MEREDITH@kdhnc.com
Town of Kitty Hawk, NC 9/5/2011-10/3/2011	▪ **Hauled** vegetative, C&D & ash debris ▪ **Reduced** by ACI burning	$171,320	22,555	**Willie Midgett**, Director of Public Works 963 W Kitty Hawk Rd., Kitty Hawk, NC 27949, 252-261-1367 wmidgett@kittyhawktown.net	**John Stockton**, Town Manager 101 Veterans Memorial Dr., Kitty Hawk, NC 27949, 252-261-3552, jstockton@kittyhawktown.net

APPENDIX B – CrowderGulf Past Performance Chart with References

OWNER & TIMELINE	DESCRIPTION OF WORK	PROJECT VALUE	PROJECT CY	CONTRACTING POINT OF CONTACT	
Town of Manteo, NC 9/5/2011-10/13/2011	▪ **Hauled** vegetative, C&D & ash debris ▪ **Reduced** by ACI burning	$48,419	6,375	**Kermit Skinner Jr. MPA AICP**, Town Manager 407 Budleigh St., Manteo, NC 27954, 252-473-2133 skinner@townofmanteo.com	
Town of Nags Head, NC 9/14/2011-10/29/2011	▪ **Hauled** vegetative, C&D & ash debris ▪ **Reduced** by ACI burning	$40,052	5,269	**Karen Heagy**, Public Works Office Manager 2200 Lark Ave., Nags Head, NC 27959 252-449-4203 heagy@townofnagshead.net	**Dave Clark, P.E.**, Public Works Director 2200 Lark Ave., Nags Head, NC 27959 252-449-4203 clark@TownofNagsHead.net
Nash County Health Department, NC 12/2/2011	▪ **Special Project**: Reduced vegetative debris (LS Agreement)	$262,849	93,648	**Bill Hill**, Health Director 214 S Barnes St., Nashville, NC 27856, 252-459-9819 William.hill@nashcountync.gov	
North Carolina Department of Transportation (NCDOT) *(hauled by TONS)* 9/9/2011-10/22/2011	▪ **Hauled** vegetative & stump debris on NCDOT roads only ▪ **Reduced** by grinding ▪ **Counties**: Currituck, Bertie, Perquimans, Washington, Pasquotank, Dare, Camden, Gates, Northampton, Hertford	$393,827	13,698 Tons	**Gretchen Byrum**, District Engineer 1929 North Road St., Elizabeth City, NC 27909 252-321-4737, gabyrum@ncdot.gov	**W. Barry Hobbs**, Division Project Manager 113 Airport Drive, Edenton, NC 27932 252-482-7977, (252) 482-8722 – Fax, bhobbs@ncdot.gov
NCDOT *3 counties (hauled by CY)* 9/9/2011-10/12/2011	▪ **Hauled** vegetative debris on NCDOT roads ▪ **Reduced** by grinding ▪ **Counties**: Chowan, Hyde, Tyrrell	$189,076	24,329	**Jerry Jennings**, Division Engineer 113 Airport Drive, Edenton, NC 27932 252-482-7977, [redacted] Fax, jjennings@ncdot.gov	**Sterling Baker**, Division Maintenance Manager Same Address, sbaker@ncdot.gov
City of Newport News, VA 9/1/2011-10/19/2011	▪ **Hauled** vegetative & C&D debris ▪ **Reduced** by grinding ▪ **Specialty Debris Removed**: leaners/hangers, stumps & hazardous tree limbs from Parks	$1,065,377	97,421	**Tim Shockley**, Solid Waste Admin. (PW) 513 Oyster Point Rd., Newport News, VA 23602 757-269-2852, tshockley@nngov.com	**Ralph Caldwell**, Assist. Public Works Dir. 513 Oyster Point Rd., Newport News, VA 23602 757-269-2702, rcaldwell@nngov.com
Northampton County, NC 9/6/2011-11/2/2011	▪ **Special Projects:** Ground vegetative debris at County Landfill	$67,500	25,000	**Billy Martin**, PW Director P.O. Box 68, Jackson, NC 27845, Billy.martin@nhcnc.net	
Onslow County, NC 8/31/2011-11/9/2011	▪ **Hauled** vegetative, C&D & ash debris ▪ **Reduced** by ACI burning	$375,815	146,419	**Scott Bost**, Solid Waste Division Head 415 Meadowview Rd., Jacksonville, NC 28450, 910-989-2107 Scott_Bost@onslowcountync.gov	**Norman Bryson**, Director of Emergency Services, 1180 Commons Drive North, Jacksonville, NC 28456, 910-347-4270, Norman_Bryson@onslowcountync.gov
Town of Richlands, NC 9/6/2011-10/5/2011	▪ **Hauled** vegetative, C&D & ash debris ▪ **Reduced** by ACI burning	$32,741	5,038	**Gregg Whitehead**, Town Administrator P.O. Box 245, Richlands, NC 28574, 910-324-3301 richlandsnc@embarqmail.com	**McKinley Smith**, Mayor 302 S Wilmington Street, Richlands, NC 28574, 910-324-3301
Town of Robersonville, NC 9/6/2011-10/3/2011	▪ **Hauled** vegetative, C&D debris	$52,312	6,001	**Libby Jenkins**, Town Manager 114 S Main St., Robersonville, NC 27871, 252-508-0311[redacted]	**Stacy Scott**, Superintendent of Public Works / Utilities, 300 South Broad Street, Robersonville, NC 27871, 252-508-0337
City of Rocky Mount, NC 9/7/2011-11/3/2011	▪ **Hauled** vegetative, C&D & mulch debris ▪ **Reduced** by grinding ▪ **Special Projects**: Removed debris from City owned properties	$2,971,515	319,887	**Jonathan Boone**, PW Director P.O. Drawer 1180, Rocky Mount, NC 27802, 252-972-1290 jonathan.boone@rockymountnc.gov	**Blair Hinkle**, Asst. Director of Public Works 331 S Franklin St., Rocky Mount, NC 27802, 252-972-1520, blair.hinkle@rockymountnc.gov
Town of Seaboard, NC	▪ **Special Projects**: grinding vegetative debris and spreading mulch on site	$6,500	Lump Sum	**Mayor Bobbie N. Moss** 120 Clay St, Seaboard, NC 27876, 252-589-5061	
City of Williamsburg, VA *Virginia Peninsulas Public Service Authority Contract (VPPSA)* 9/9/2011-9/19/2011	▪ **Hauled** vegetative debris ▪ **Reduced** by grinding	$182,581	17,482	**Dan Clayton**, Director of Public Works 757-220-6140 dclayton@williamburgva.gov	**Stephen B. Geissler**, Exec. Director VPPSA 475 McLaws Circle, Ste 3B, Williamsburg, VA 23185, 757- 259-9850 sbgeissler@vppsa.org
Town of Williamston, NC 9/3/2011-9/10/2011	▪ **Hauled** vegetative & C&D debris	$129,325	16,174	**Brent Kanipe**, Director of Planning & Development P.O. Box 506, Williamston, NC 27892, 252-792-5142 Ext.22[redacted]	**Eric Pearson**, Town Administrator, 106 East Main Street, Williamston, NC 27892, 252-792-1542, epearson@townofwilliamston.com
City of Wilson, NC 9/2/2011-9/30/2011	▪ **Hauled** vegetative & C&D debris	$382,942	51,040	**Deborah Boyette**, Asst. Director Public Services P.O. Box 10, Wilson, NC 27894, 252-399-2464 dboyette@wilsonnc.org	Bruce Rose, Mayor P.O. Box 10, Wilson, NC 27894, 252-399-2310 brose@wilsonnc.org

APPENDIX B – CrowderGulf Past Performance Chart with References

OWNER & TIMELINE	DESCRIPTION OF WORK	PROJECT VALUE	PROJECT CY	CONTRACTING POINT OF CONTACT	
York County, VA *Virginia Peninsulas Public Service Authority Contract (VPPSA)* 9/6/2011-11/2/2011	▪ **Hauled** vegetative, C&D & mulch debris ▪ **Reduced** by grinding & ACI burning ▪ **Specialty Debris Removed**: leaners/hangers	$690,989	76,448	**Frank Hedspeth** , Solid Waste Manager 145 Goodwin Neck Rd, Yorktown, VA 23692 757-890-3780 hedspethf@yorkcounty.gov	**Laurie Halperin**, Recycling Coordinator – Dep. of Environmental & Development Services Waste Management, Address same as above., 757-890-3780 halperil@yorkcounty.gov
2011 Tornado Recovery	➢ 3 Contracts	➢ $4,776,305 Invoiced	➢ 368,190 CY & 26,904 Tons	➢ 3 DMS Managed	
Waste Corporation of American (WCA) *in Joplin, MO* 6/2011 – 7/2011	▪ **Developed** and managed Debris Management Site (DMS) ▪ **Hauled** crushed C&D, concrete & mulch ▪ **Reduced** C&D by crushing & vegetative by grinding	$1,024,780	54,770	**Kevin O'Brien**, Regional Vice President of Waste Corp. of America (WCA) 2211 W Bennett St., Springfield, MO 65807, 417-851-1951 kobrien@wcamerica.com	
USACE *mission assigned contract* Joplin, MO 7/2011 – 8/2011	▪ **Developed** and managed Debris Management Site (DMS) ▪ **Hauled** mulch ▪ **Reduced** debris by grinding ▪ **Partnered** *Local Minority Co.– Jeff Asbell*	$448,050	26,904 Tons	**Brian Shay**, USACE-COTR 571-305-3706 Brian.n.shay@usace.army.mil	
USACE *mission assigned contract CrowderGulf Prime sub for Phillips & Jordan in* **Walker County, AL** 5/2011 - 8/2011	▪ **Sub** for Phillips & Jordan ▪ **Hauled** vegetative & C&D debris ▪ **Specialty Debris Removed**: leaners/hangers, stumps ▪ **Reduced** by grinding	$3,303,475	313,420	**Clint Stephens**, Phillips & Jordan PO Drawer 604, Robbinsville, NC 28771, 828-479-3371 [redacted]ax, clints@pandj.com	
2011 Projects not related to Disaster					
River Delta Marina Project for Mobile County, AL 5/2011 - 12/2011	▪ **Demo** of existing marina boat houses & bulkheads ▪ **Installed** new vinyl sheet – piled sea wall ▪ **Dredged** marina to depth of 4' ▪ **Constructed** 10,000 /sq ft new boat sheds & 3200/sq ft covered pavilion ▪ **Created** approx. 3 acres of constructed wetlands & surrounding facilities	$1,431,019	Lump Sum	**Fran Lowe**, Environmental Technician, Mobile County Commission, 205 Government Street, Mobile, AL 36644, [redacted] fran.lowe@mobilecounty.net	
FGUA Pasco (Seven Springs) Utility System, FL **Drainage Ditch Clearing** 11/21/2011-4/2/2012	▪ **Special Projects**: removed trees & all debris from specified drainage ditches	$47,340	Lump Sum	**Christopher Couch**, FGUA Project Coordinator 280 Wekiva Springs Rd, Suite 200, Longwood, FL 32779 877-552-3482 CCouch@govmserv.com	**Jerry Connolly**, Operations Manager Same address, Phone:877-552-3482
2010 BP Deep Horizon Oil Spill Recovery Response					
BP Oil Exploration & Production 3/4/2011 – 2/14/2012	▪ **Provided** OSRO (Oil Spill Response Organization) Services ▪ **Provided** maintenance cleanup on all AL beaches & State Park – On shore & Near Shore Response ▪ **Emergency closure** of Little Lagoon Pass in Gulf Shores ▪ **Boom Anchor sonar** & removal program	$26,004,441	All Alabama Beaches Lump Sum & Hourly	**Jeremiah Jefferies** – AL Operations Mgr 251-518-1334, Jeremiah.Jeffries@bp.com **Bethany Jackson**, Division Supervisor - Mobile County, AL 270-399-0977, Bethany.Jackson@obriensrm.com	**Jim Poore**, Division Supervisor – Baldwin County, AL 251-225-5520, James.Poore@bp.com
O'Brien's Response Management / SEACOR Management / BP Oil Exploration & Production 5/2010 – 3/3/2011	▪ **Provided** OSRO (Oil Spill Response Organization) Services ▪ **Provided** maintenance cleanup on all AL beaches & State Park – On shore & Near Shore Response ▪ **Excavated and screened** sand in Gulf Shores, AL ▪ **Baldwin County Only** – 21.18 mi of beach cleaned, 2,452,000 lbs of hydrocarbon removed, 3 billion lbs of sand sifted. ▪ **Gabion basket removal** project (Fort Morgan & Dauphin Island) ▪ **Subcontractor** for O'Brien's	$96,214,448	All Alabama Beaches Lump Sum & Hourly	**Bob Anderson** – Project Manager [redacted]- cell, robert.anderson@obriensrm.com **Duane Miller** – Manager, Consulting & Respons[redacted]-cell, Duane.Miller@obriensrm.com	**Doug Parton** -Deputy Operation Manager 850-362-8178 - cell, parton.doug@bpgom.com

APPENDIX B – CrowderGulf Past Performance Chart with References

OWNER & TIMELINE	DESCRIPTION OF WORK	PROJECT VALUE	PROJECT CY	CONTRACTING POINT OF CONTACT	
City of Orange Beach, AL 7/6/2010-8/20/2010	▪ **Provided** debris clearance, sand reclamation & hazardous materials extraction	$664,326	Hourly	**Nicole Woerner**, Coastal Resources Planner 4101 Orange Beach Blvd, Orange Beach, AL 36561, 251-981-1063, nwoerner@cityoforangebeach.com	**Phillip West**, Costal Resource Manager 4101 Orange Beach Blvd., Orange Beach, AL 36561, 251-981-6788, pwest@cityoforangebeach.com
Baldwin County, AL 5/19/2010 – 7/12/2010	▪ **Implemented** proactive measures to contain oil spill by providing & installing containment & absorbent boom along the Coastal Waters of Baldwin County	$4,280,107	Lump Sum	**Joey Nunnally**, PE Engineer 32100 McAuliffe Dr., Robertsdale, AL 36567 251-972-8533 jnunnally@co.baldwin.al.us	**Charles "Skip" Gruber,** Commissioner – District 4 S Baldwin County, AL 251-943-5061 cgruber@baldwincountyal.gov
Town of Dauphin Island, AL 6/1/2010 – 7/21/2010	▪ **Built** an additional sand berm for protection per BP Grant ▪ **Planted** Sea Oats	$2,235,000	3 Miles of Beaches	**Jeff Collier**, Mayor 1011 Beinville Blvd, Dauphin Island, AL 35628, 251-861-5525 jcollier@townofdauphinisland.org	**Wanda Sandagger**, Admin. Assist. 1011 Bienville Blvd, Dauphin Island, AL 36528 251-861-5525, wsandagger@townofdauphinisland.org
2010 Projects not related to a declared disaster					
City of Daytona Beach, FL **Chipping Project** 7/21/2010-8/3/2010	▪ **Special Projects**: grinding debris	$11,400	6,000	**David Hand**, Solid Waste Coordinator, 950 Bellevue Ave., Room 400, Daytona Beach, FL 32114, 386-671-8670, [redacted]ax	
City of Prichard, AL **CDBG Project – Housing Demolition & Clearance** 12/1/2010-12/15/2010 (DBA Gulf Equipment)	▪ **Special Projects**: demo & clearance of approximately 39 properties ▪ **Hauled** demolition debris	$118,440	4,159	**Rob Bartlett**, City of Prichard 216 East Prichard Ave., Prichard, AL 36610, 251-622-5635, *r.bartlett@thecityofprichard.org*	
US Navy **Lake Ponchatrain, LA** **Plane Recovery**	▪ **Special Projects**: recovered a plane at the bottom of Lake Ponchatrain	$3,500	Lump Sum	**CDR John Hensel**, 850-696-9500	**CDR Matthew Mullins**, 361-961-2586, matthew.mullins@navy.mil
Alabama Department of Transportation (ALDOT) Baldwin Co., AL **Dredging Maintenance Project** *1/2010 – 12/2011, 1/2012 – 12/2013*	▪ **Special Projects**: dredging of Little Lagoon in Gulf Shores on an as needed basis	$1,269,214	Gulf Shores, AL Unit Price/ Hr of Dredging	**Phillip Presley** , Contact Manager 251-989-6319 [redacted]- fax, presleyp@dot.state.al.us	**David Styron**, Project Manager 251-989-6319, 251-989-2826- fax, styrond@dot.state.al.us
2009 Severe Winter Ice Storm Recovery					
City of Owensboro, KY 2/25/2009-3/25/2009	▪ **Hauled** vegetative & C&D debris ▪ **Reduced** by burning	$1,002,056	11,544	**Tony Cecil,** City Operations Manager 270-929-4188, ceciltg@owensboro.org	**Jody Beatty (now Pamela Canary)**, Purchasing Manager, 101 East 4th St, Owensboro, KY 42303, 270-687-8431, canaryps@owensboro.org
2009 Tropical Storm Ida Recovery					
Town of Dauphin Island, AL 11/12/2009-4/12/2010	▪ **Push** ▪ **Special Projects**: sand screening & beach reclamation services	$922,471	77,127	**Jeff Collier**, Mayor 1011 Beinville Blvd, Dauphin Island, AL 35628, 251-861-5525 jcollier@townofdauphinisland.org	**Wanda Sandagger**, Admin. Assist. 1011 Bienville Blvd, Dauphin Island, AL 36528 251-861-5525, wsandagger@townofdauphinisland.org
2008 Hurricane Gustav Recovery	➢ 3 Contracts Activated	➢ $754,488 Invoiced	➢ 78,199 CY		
Assumption Parish, LA 9/16/2008-10/28/2008	▪ **Hauled** vegetative & C&D debris	$418,365	54,130	**Niki Mills**, Assumption Parish Police Jury 141 Hwy 1008, Napoleonville, LA 70390, nakeithamills@assumptionla.com	
Town of Dauphin Island, AL 9/4/2008-9/10/2008	▪ **Push**	$53,313	Hourly	**Jeff Collier**, Mayor 1011 Beinville Blvd, Dauphin Island, AL 35628, 251-861-5525 jcollier@townofdauphinisland.org	**Wanda Sandagger**, Admin. Assist. 1011 Bienville Blvd, Dauphin Island, AL 36528 251-861-5525, wsandagger@townofdauphinisland.org
City of Biloxi, MS 9/5/2008-10/18/2008	▪ **Hauled** ROW & FHWA Roads-vegetative & C&D debris	$282,810	24,069	**Jonathan Kiser, PE**, Neel Schaffer 772 Howard Ave., Biloxi, MS 39530, 228-374-1211, Jonathan.kiser@neel-schaffer.com	**A. J. Holloway**, Mayor 140 Lamuese Street 2nd Floor, Biloxi, MS 39630, 228-435-6254, mayor@biloxi.ms.us

APPENDIX B – CrowderGulf Past Performance Chart with References

OWNER & TIMELINE	DESCRIPTION OF WORK	PROJECT VALUE	PROJECT CY	CONTRACTING POINT OF CONTACT	
2008 Hurricane Ike Recovery	➢ 36 Contracts Activated	➢ $179,965,818 Invoiced	➢ 17,351,244 CY	➢ 25 DMS Sites Managed	
City of Alvin, TX 9/18/2008-12/18/2008	▪ **Hauled** vegetative, C&D & mulch debris ▪ **Reduced** by grinding ▪ **At Cost Services:** landfill tipping fees	$2,485,571	223,966	**David Kocurek,** Public Safety Director 216 West Sealy, Alvin, TX 77511, 281-388-4315 dkocurek@psf.cityofalvin.com	**Terry Lucas**, City Manager 216 West Sealy, Alvin, TX 77511, 281-388-4230, tllucas@cityhall.cityofalvin.com
City of Angleton, TX 9/19/2008-10/28/2009	▪ **Hauled** vegetative, C&D & ash debris ▪ **Reduced** by burning ▪ **At Cost Services:** tipping fees, vacuum trucks	$999,317	79,163	**Mike Jones**, EM Coordinator, Lieutenant 979-849-2383 mjones@angletonpd.net	**Katherine Davis,** EM Coordinator 121 S. Velasco, Angleton, TX 77515, 979-849-2383, kdavis@angletonpd.net
City of Bayou Vista, TX 9/23/2008-10/29/2008	▪ **Hauled** vegetative & C&D debris ▪ **Specialty Debris Removed**: white goods ▪ **At Cost Services:** landfill tipping fees	$798,580	41,602	**Chief Ed Lucas**, Chief of Police 2929 Hwy 6, Bayou Vista, TX 77563, 409-935-0449 lucasbvpd@comcast.net	**Bobby Rosenquist,** Mayor 2929 Highway 6, Bayou Vista, TX 77563, 409-356-5131
City of Beaumont, TX 9/19/2008-4/15/2009	▪ **Hauled** vegetative, C&D & mulch debris ▪ **Reduced** by grinding ▪ **Specialty Debris Removed**: leaners/hangers & white goods ▪ **Provided** Generators ▪ **At Cost Services:** landfill tipping fees	$11,948,522	988,690	**Kyle Hayes**, City Manager P.O. Box 3827, Beaumont, TX 77704, 409-880-3708 khayes@ci.beaumont.tx.us	**Brenda Beadle,** Capital Projects Manager P.O. Box 3827, Beaumont, TX 77704, 409-880-3718, bbeadle@ci.beaumont.tx.us
Brazoria County, TX 9/18/2008-11/13/2008	▪ **Special Projects:** Operated & managed 4 burn sites, hauled ash to final disposal ▪ **At Cost Services:** landfill tipping fees	$254,205	93,474	**Stephanie Bradford**, Data Specialist 111 E Locust St, Bldg A-29, Ste 100, Angleton, TX 77515, 979-864-1265 stephanieb@brazoria-county.com	**Steve Rosa,** EM Coordinator 111 E Locust St., Brazoria, TX 77515, 979-864-1801, steverosa@brazoria-county.com
City of Brookside Village, TX 9/20/2008-10/27/2008	▪ **Hauled**, vegetative, C&D & mulch debris ▪ **Reduced** by grinding ▪ **At Cost Services:** landfill tipping fees	$339,243	29,332	**Buck Stevens** 6243 Brookside Rd, Brookside Village, TX 77581, 281-546-9667	
Calcasieu Parish, LA 9/30/2008-10/23/2008	▪ **Hauled** vegetative & C&D debris	$78,350	7,891	**Alan Wainwright**, PW Operation Manager 1015 Pithon St, Lake Charles, LA 70602, 337-721-3700, awainwright@cppj.net	**Bryan Beam,** Parish Administrator 1015 Pithon St, Lake Charles, LA 70602, 337-721-3500, administration@cppj.net
Chambers County, TX 3/5/2009-8/27/2009	▪ **Hauled** vegetative, C&D & mulch debris from ROW & ROE ▪ **Specialty Debris Removed**: leaners/hangers	$290,623	27,164	**CW Parker** 104 South Main, Anahuac, TX 77514, 409-267-4623	**Ryan Holzaepfl,** EM Coordinator 404 Washington Ave., Anahuac, TX 77514, 409-267-2445, rholzaepfel@co.chambers.tx.us
City of Clear Lake Shores, TX 9/19/2008-10/7/2009	▪ **Hauled** vegetative, C&D & mulch debris ▪ **Specialty Debris Removed**: leaners/hangers, salt water kill trees & white goods ▪ **At Cost Services:** landfill tipping fees	$633,545	31,465	**Paul Shelley**, City Administrator 1006 South Shore Dr, Clear Lake Shores, TX 77565, 281-334-2799 pshelley@clearlakeshores-tx.gov	**Kenneth (Kenny) Cook,** Police Chief 1006 South Shore Drive, Clear Lake Shores, TX 77565, 281-334-1035 ext. 202, kcook@clearlakeshores-tx.gov
City of Clute, TX 9/21/2008-10/17/2008	▪ **Hauled** vegetative & C&D debris ▪ **Reduced** by burning ▪ **At Cost Services:** landfill tipping fees	$202,393	16,565	**Mark S. Wicker**, Chief of Police/ EMC 104 E. Main, Clute, TX 77531 979-265-6194 mwicker@ci.clute.tx.us	**Calvin Shiflet**, Mayor 108 E Main St., Clute, TX 77531, 979-264-7369, cshiflet@ci.clute.tx.us

Town of Dauphin Island, AL
9/15/2008-3/13/2009
	▪ **Push**
	▪ **Special Projects**:
	  ▪ Sand screening & beach restoration, sand fence replacement
	  ▪ Drainage ditch excavation, road & damaged parking lot reconstruction
		$3,245,527	210,520	**Jeff Collier**, Mayor
				1011 Beinville Blvd, Dauphin Island, AL 36528, 251-861-5525 jcollier@townofdauphinisland.org
					Wanda Sandagger, Admin. Assist.
					1011 Bienville Blvd, Dauphin Island, AL 36528, 251-861-5525,
					wsandagger@townofdauphinisland.org

City of Deer Park, TX 9/17/2008-10/4/2008	▪ **Hauled** vegetative, C&D & mulch debris ▪ **Reduced** by grinding	$571,213	54,722	**Ron Crabtree (now James Stokes)**, City Manager, 710 E. San Augustine, Deer Park, TX 77536, 281-478-7246 jstokes@deerparktx.org	**Gary Jackson,** Asst. City Manager 710 E. San Augustine, Deer Park, TX 77536, 281-478-7260, gjackson@deerparktx.org
City of Dickinson, TX 9/10/2008-2/3/2009	▪ **Hauled** vegetative & C&D debris ▪ **Specialty Debris Removed**: white goods & canal debris ▪ **At Cost Services:** landfill tipping fees	$2,309,107	217,088	**Captain Steve Krone** 4403 State Highway 3, Dickinson, TX 77539, 281-377-2489 skrone@ci.dickinson.tx.us	**Kellis George,** Director of PW 3120 Deats Rd., Dickinson, TX 77539, 281-337-6267, kgeorge@ci.dickinson.tx.us
EE&G Construction & Electrical Tiki Island, TX	▪ **Special Projects**: demo a boat slip in Tiki Island, TX	$194,740	Lump Sum	**Reid Sunberg**, Director of Construction Services 1206 Kipp Ave, Kemah, TX 77565	
City of Freeport, TX 9/23/2008-10/28/2008	▪ **Hauled** vegetative, C&D & ash debris ▪ **Reduced** by burning ▪ **At Cost Services:** landfill tipping fees	$208,215	17,411	**Gary Beverly (now Jeff Pynes)**, City Manager j) 200 W 2nd St., Freeport, TX 77541, 979-233-3526, jpynes@freeport.tx.us	**Laura Tolar**, 200 W 2nd St., Freeport, TX 77541, ltolar@freeport.tx.us

APPENDIX B – CrowderGulf Past Performance Chart with References

OWNER & TIMELINE	DESCRIPTION OF WORK	PROJECT VALUE	PROJECT CY	CONTRACTING POINT OF CONTACT	
City of Friendswood, TX 9/16/2008-1/13/2009	▪ **Hauled** vegetative & C&D debris ▪ **Provided** Generators	$4,054,033	482,975	**Mr. Terry Byrd**, EMC, Fire Marshall 910 S. Friendswood Dr, Friendswood, TX 77546, 281-996-3335 tbyrd@ci.friendswood.tx.us	**Roger Roecker,** City Manager 910 S. Friendswood Dr, Friendswood, TX 77546, 281-996-3250, fwdcity@friendswood.com
Galveston County, TX **Demolition Services for Buyout Program after 2008 Hurricane Ike** 9/2010 – 9/29/2012	▪ **Special Projects**: Contract for demolition of individual lots as result of Hurricane Ike	$1,713,274	Bolivar Peninsula Lump Sum per Lot	**Garret Foskit**, Nuisance Abatement Officer 1620 Gill Road, Dickinson, TX 77539, 409-766-4509, Garret.Foskit@co.galveston.tx.us	**Rufus Crowder**, Galveston Co. Purchasing Agent, 722 Moody Ave. (21st St.), Galveston, TX 77550, 409-770-5372, rufus.crowder@co.galveston.tx.us

Galveston County, TX
(Galveston County Mainland & Bolivar Peninsula)
9/18/2008-9/12/2009
	▪ **Hauled** (ROW, ROE & canal) vegetative, wet debris, C&D & mulch debris
	▪ **Reduced** by grinding & burning
	▪ **Specialty Debris Removed**: (ROW & ROE) leaners/hangers, dead trees killed by the salt water surge, white goods, e-goods abandoned vehicles & tires
	▪ **Special Projects**
	  ▪ Removed debris from 25 mi of protection levee & 5 mi from ship channel protection dike
	  ▪ Levee debris removal
	  ▪ Debris removed from eligible parks, cemeteries & schools
	▪ **At Cost Services:** landfill tipping fees
		$84,145,785	3,871,319	**Connie Nicholson**, Community Services Director
				1353 FM 646 Suite 302, Dickinson, TX 77539,
				409-682-3139,
				connie.nicholson@co.galveston.tx.us
				
				Pat Doyle, County Commissioner Precinct 1
				1353 FM 646, Ste 201, Dickinson, TX 77539
				409-770-5333, Patrick.Doyle@co.galveston.tx.us
					Lee Crowder, Drainage & Beach Manager Road & Bridge Dept., 5115 Hwy 3, Dickinson, TX 77539
					281-537-4152, lee.crowder@co.galveston.tx.us

Galveston County Municipal Utility District 12 (MUD 12) 2/24/2009-3/19/2009	▪ **Hauled** Canal debris ▪ **At Cost Services:** landfill tipping fees	$76,236	693	**Sharon Ballard,** Secretary to the Board 2929 Highway 6, Suite 300, Bayou Vista, TX 77563, 409-935-6111,Mud12@comcast.net	**Bill Alcorn,** President Board of Directors 2929 Highway 6, Suite 300, Bayou Vista, TX 77563, 409-935-6111
Hill Sand Company Friendswood, TX 9/16/2008-11/3/2008	▪ **Special Projects**: burning incoming debris from multiple clients	$1,462,022	487,340	**Jacqueline Hodges**, P.O. Box 1134, Friendswood, TX 77549,	
Jefferson County, TX 9/20/2008-2/9/2009	▪ **Hauled**, (ROW & ROE) vegetative, C&D & mulch debris ▪ **Reduced** by grinding ▪ **Specialty Debris Removed**: leaners/hangers, stumps & white goods ▪ **At Cost Services:** landfill tipping fees	$1,275,233	93,263	**Douglas Anderson III,** Purchasing Manager 1149 Pearl St,1st Floor, Beaumont, TX 77701 409- 835-8593	**Greg Fountain**, EMC 1149 Pearl St,1st Floor, Beaumont, TX 77701 409-835-8757, gfountain@co.jefferson.tx.us
City of Kemah, TX 9/20/2008-8/14/2009	▪ **Hauled** (ROW & ROE) vegetative, C&D & mulch debris ▪ **Reduced** by grinding ▪ **Specialty Debris Removed**: white goods ▪ **At Cost Services:** landfill tipping fees	$1,562,035	96,633	**R. W. Kerber**, EMC / City Administrator 140 Hwy 1476, Kemah, TX 77565, 281-334-1611 rkerber@kemah-tx.com	**Bob Cummins**, Mayor 140 Hwy 1476, Kemah, TX 77565 mayorcummins@kemah-tx.com
City of Lake Charles, LA 9/18/2008-10/17/2008	▪ **Hauled** vegetative & C&D debris	$150,000	15,636	**Mister Edwards**, Director of Public Works 4331 E. Broad Street, Lake Charles, LA 70615, 337-491-1308 medwards@mail.city-lakecharles.org	**Todd Sherman**, Asst. PW Director 4331 E. Broad Street, Lake Charles, LA 70615, 337-491-1551, tsherman@cityoflc.us
City of LaMarque, TX 9/22/2008-1/21/2009	▪ **Hauled** vegetative, C&D & mulch debris ▪ **Reduced** by grinding ▪ **Specialty Debris Removed**: leaners/hangers & white goods ▪ **Special Projects**: **NRCS Project** (12/15/2009-2/23/2010) tree removal from Highland Bayou ▪ **At Cost Services:** landfill tipping fees	$1,875,469	126,320	**Todd Zacherl**, Fire Chief 111 Bayou Rd, LaMarque, TX 77561, 409-938-9261 tzacherl@ci.la-marque.tx.us	**Jennifer Pierce**, Fire Marshall/EM Coordinator 111 Bayou Rd, LaMarque, TX 77561, 409-938-9267, j.pierce@ci.la-marque.tx.us
City of League City, TX 9/18/2008-1/10/2009	▪ **Hauled** vegetative, C&D & mulch debris ▪ **Reduced** by grinding ▪ **Specialty Debris Removed**: leaners/hangers & white goods ▪ **At Cost Services:** landfill tipping fees	$4,108,866	335,140	**Denny Holt (now Dena Mahan),** EMC 601 2nd St., League City, TX 77573, 281-554-1300, dena.mahan@leaguecity.com	**Bruce "Chip" Merrick**, Asst. EMC 601 2nd Street, League City, TX 77573, 281-554-1300, chip.merrick@leaguecity.com
City of Manvel, TX 9/20/2008-11/5/2008	▪ **Hauled** vegetative, C&D & mulch debris ▪ **Reduced** by grinding ▪ **Provided** Generators & Vacuum Trucks ▪ **At Cost Services:** landfill tipping fees	$365,500	35,508	**Delores M. Martin**, Mayor 6615 N Masters, Manvel, TX 77578 281-489-0630 dmartin@cityofmanvel.com	**Jay White**, Public Works 20025 Hwy 6, Manvel, TX 77578, 281-585-4997 jwhite@cityofmanvel.com

APPENDIX B – CrowderGulf Past Performance Chart with References

OWNER & TIMELINE	DESCRIPTION OF WORK	PROJECT VALUE	PROJECT CY	CONTRACTING POINT OF CONTACT	
Montgomery County, TX 9/18/2008-12/7/2008	▪ **Hauled** vegetative, C&D, compacted C&D & mulch debris ▪ **Reduced** by grinding, burning & C&D compacting (7 Sites) ▪ **Specialty Debris Removed**: leaners/hangers & Stumps ▪ **Special Projects:** Restorations of Athletic Fields, Parking lot repairs ▪ **At Cost Services**: landfill tipping fees	$16,323,086	1,087,991	**Nicky Kelly**, Deputy EMC 301 N Thompson, Ste 210, Conroe, TX 77301 936-539-7817 nkelly@co.montgomery.tx.us	**Ed Chance**, County Commissioner Precinct 3, 936-1130 Pruitt Rd., Spring, TX 77380, 539-7817, commsi3@mctx.org
City of Owensboro, KY 9/20/2008-10/17/2008	▪ **Hauled** vegetative & C&D debris from ROW & citizen sites ▪ **Reduced** by burning	$780,192	75,395	**Tony Cecil,** City Operations Manager 270-929-4188, ceciltg@owensboro.org	**Jody Beatty (now Pamela Canary)**, Purchasing Manager, 101 East 4th St, Owensboro, KY 42303, 270-687-8431, canaryps@owensboro.org
City of Pearland, TX 9/18/2008-1/23/2009	▪ **Hauled** vegetative, C&D & mulch debris ▪ **Reduced** by burning & grinding ▪ **Provided** Vacuum Trucks ▪ **At Cost Services**: landfill tipping fees	$4,638,531	392,947	**Bill Eisen**, City Manager 3519 Liberty Dr, Pearland, TX 7758, 281-652-1662 beisen@ci.pearland.tx.us	**Roland Garcia,** Fire Marshall/ EM Coordinator 2010 A Old Alvin Rd., Pearland, TX 77581, 281-652-1950, RLGarcia@ci.pearland.tx.us
City of Santa Fe, TX 9/20/2008-10/26/2008	▪ **Hauled** vegetative & C&D debris	$996,034	120,731	**Barry Cook**, EMC Chief of Police / Public Safety P. O. Box 950, Santa Fe, TX 77510-0950 409-925-3092 Barry@ci.santa-fe.tx.us	**Ralph Stenzel**, Mayor, 409-925-6412 mayor@ci.santa-fe.tx.us
City of Sulphur, LA 11/5/2008-11/7/2008	▪ **Hauled** C&D debris direct to final disposal	$6,082	640	**Mayor LeLeux**, (now **Christopher Duncan**) 101 N Huntington St., Sulphur, LA 70663, 337-527-4500, mayorsoffice@sulphur.org	**John Bruce**, PW Director 101 N Huntington St., Sulphur, LA 70663, 337-527-4500, jbruce@sulphur.org
City of Texas City, TX 9/22/2008-10/27/2008	▪ **Hauled** vegetative, C&D & dike (wet) debris ▪ **Reduced** by burning ▪ **At Cost Services**: landfill tipping fees	$3,578,002	210,404	**Bruce Clawson**, Emergency Manager 1801 9th Ave North, Texas City, TX 77592, 409-643-5840, bclawson@texas-city-tx.org	**Michael Stump,** SW Manager 301 6th St., 2nd Floor, Texas City, TX 77592, 409-643-5810, mstump@texas-city-tx.org
Texas GLO – General Land Office 12/18/2008-2/15/2010	**Contract # 09-135-000-3564**, 12/18/2008–4/15/2009 ▪ **Hauled** sand debris ▪ **Special Projects**: cleaned & restored beaches **Contract # 09-152-000-3591**, 2/20/2009–2/15/2010 ▪ **Special Projects**: hauled marine debris & sunken vessels from Gulf & Bay Waters	$27,167,674	7,824,258	**Ben Au,** Architect Dir., Const. Services, 1700 N Congress Ave, Austin, TX 78701 512-463-6293, Benjamin.Au@glo.state.tx.us **John Gillen**, Director Coastal Assistance 512-936-2239, John.Gillen@glo.state.tx.us	**Tony Williams**, Professional Services Coastal Leasing 512-463-5055, Tony.Williams@GLO.STATE.TX.US
Village of Tiki Island, TX 9/20/2008-3/23/2009	▪ **Hauled** vegetative & C&D debris ▪ **Specialty Debris Removed**:white goods with Freon removal & canal debris ▪ **At Cost Services**: landfill tipping fees	$917,649	39,225	**Tim Cullather**, Emergency Management, 802 Tiki Dr., Tiki Island, TX 77554, 409-938-4932	**Randy Phipps**, Emergency Management 802 Tiki Dr., Tiki Island, TX 77554, 409-938-4932, tikiisland@comcast.net
City of Webster, TX 9/18/2008-10/1/2008	▪ **Hauled** vegetative, C&D & mulch debris ▪ **Reduced** by grinding ▪ **At Cost Services**: landfill tipping fees	$187,227	13,220	**Shannon Hicks**, Director of Public Works 855 Magnolia, Webster, TX 50595, 281-316-3707 shicks@cityofwebster.com	**John Warnement,** Asst. PW Director 855 Magnolia, Webster, TX 50595, 281-316-3707, jwarnement@cityofwebster.com
City of Westlake, LA 9/29/2008-10/6/2008	▪ **Hauled** vegetative & C&D debris	$23,737	2,550	**Dan W. Cupit**, Mayor 1001 Mulberry St, West Lake, LA , 337-433-0691	**Brad Baker**, Director of PW 1004 Hilma St., West Lake, LA 70669, 337-433-0691
2008 Tropical Storm Fay Recovery	➢ 3 Contracts Activated	➢ $331,745 Invoiced	➢ 16,620 CY	➢ 1 DMS Site Managed	
Brevard County, FL 9/1/2008-9/16/2008	▪ **Hauled** vegetative & C&D debris	$282,810	13,796	**Leslie Rothering**, Purchasing Manager 2725 Judge Fran Jamieson Way, Building A, Suite 118, Viera, Florida 32940, 321-617-7390 leslie.rothering@brevardClient.us	**"Euri" Euripides Rodriguez**, SW Dir. 2725 Judge Fran Jamieson Way, Building A, Suite 118, Viera, Florida 32940 321-633-2042 Euripides.Rodriguez@brevardcounty.us
Leon County, FL 9/8/2008-9/14/2008	▪ **Hauled** vegetative & C&D debris ▪ **Reduced** by grinding	$36,533	2,824	**Leigh Root Davis,** Assist. PW Director 2280 Miccoskee Rd., Tallahassee, FL 32308, 850-606-1542, davisle@leoncountyfl.gov	**Lindsey Sampson**, Director of Solid Waste 10500 Buckingham Rd., Ft. Myers, FL 33905, 239-533-8000, LSampson@leegov.com
City of Tallahassee, FL 8/23/2008-8/24/2008	▪ **Emergency Push**	$12,402	Hourly	**John Gonzales**, Superintendent of Streets & Drainage Division 300 South Adams St, Tallahassee, FL 32301-1731, John.gonzales@talgov.com	**Mike Scheiner**, Debris Management Coordinator 642 Mabry St., Tallahassee, FL 32304, 850-891-5304, mike.scheiner@talgov.com

APPENDIX B – CrowderGulf Past Performance Chart with References

OWNER & TIMELINE	DESCRIPTION OF WORK	PROJECT VALUE	PROJECT CY	CONTRACTING POINT OF CONTACT	
2008 Projects not related to a declared disaster					
Mississippi Secretary of State Disposal Site Clean-up Project	▪ **Special Projects:** removed & disposed of existing debris piles	$20,000	Lump Sum	**Honorable C. Delbert Hosemann, Jr.**, P.O. Box 136, Jackson, MS 39205	
Walton County, FL Hogtown Bayou Vessel Removal	▪ **Special Projects:** removed & disposed of vessels	$23,250	Lump Sum	Clerk of the Court, P.O. Box 1260, DeFuniak Springs, FL 32435	**Valerie Angel**, EM Planner Walton County Sheriff's Office, 752 Triple G Road, DeFuniak Springs, FL 32433, 850-982-8065, vangel@waltonso.org
Pasco County, FL 2008-2010 Maintenance Contract 6/6/2008-6/5/2010	▪ **Special Projects:** ▪ Clearing, maintaining & restoring miscellaneous storm water drainage canals Countywide ▪ Prevented trees and limbs from intruding in ROW	$2,500,000	Hourly	**Michelle Baker**, Engineering Services 14236 6th St, Ste 201, Dade City, FL 33523, 727-847-8140 ext. 8756 mbaker@pascocountyfl.net	**Michael Garret**, Public Works Director 4454 Grand Blvd., Newport Richey, FL 34652, 727-834-3611, mgarrett@pascocountyfl.net
2007 Projects not related to a declared disaster					
City of Plantation, FL Canal Excavation NRCS Project	▪ **Special Projects:** excavated canal	$583,000	Lump Sum	**Susan Slatter**, City Clerk 400 N.W. 73rd Ave., Plantation, FL 33317	**Frank (Cheech) DeCelles**, PW Director 750 NW 91st Avenue, Plantation, FL 33324, 954-452-2535, fdecelles@plantation.org
City of Dade City, FL Canal & Waterway Cleaning	▪ **Special Projects:** cleaned waterways & canals	$1,500	Lump Sum	**Joey Wubeena**, 14150 5th St., Dade City, FL 33525	
Pasco County, FL Stormwater Drainage Maintenance Contract 6/5/2007-6/8/2008	▪ **Special Projects:** clearing, maintaining & restoring miscellaneous storm water drainage canals Countywide	$950,866	Hourly	**Michelle Baker**, Engineering Services 14236 6th St, Ste 201, Dade City, FL 33523, 727-847-8140 ext. 8756 mbaker@pascocountyfl.net	**Michael Garret**, Public Works Director 4454 Grand Blvd., Newport Richey, FL 34652, 727-834-3611, mgarrett@pascocountyfl.net
City of Bayou LaBatre, AL Debris Removal Project CDBG Project 5/1/2007-6/1/2007	▪ **Special Projects:** hand raked & removed red drift algae from beach	$341,201	Lump Sum	**Alan Bryant, P.E.**, Exec. Vice Pres. Polysurveying Engineering, 5588 Jackson Rd., Mobile, AL 36619	**Chad Seaman**, Asst. to the Mayor 13785 S. Wintzell Ave., Bayou La Batre, AL 36509, 251-824-2171
State of Louisiana – Shrimp & Fishing Grounds Restoration 7/9/2007-1/16/2011	▪ **Special Projects:** Restored Shrimp & Fishing grounds by identifying debris using side scan sonar and removing debris	$5,143,200	Lump Sum	**Marty Bourgeois,** Department of Wildlife & Fisheries 2000 Quail Dr, Room 344 Baton Rouge, LA 70808, mbourgeois@wlf.la.gov	
City of Sanibel Island, FL *Beach Cleanup Red Drift Algae* 2/9/2007-2/18/2007	▪ **Special Projects:** hand raked & removed red drift algae from beach	$65,716	Hourly	**Gates Castle**, Public Works Director 800 Dunlop Rd, Sanibel, FL 33957, 239-472-6397 gates.castle@mysanibel.com	**Scott Krawczuk**, PW Deputy Director 800 Dunlop Rd, Sanibel, FL 33957, 239-472-6397, scott.krawczuk@mysanibel.com
2006 Ice Storm Recovery	➢ 2 Contracts	➢ $4,738,473 Invoiced	➢ 537,483 CY	➢ 1 DMS Site Managed	
Union Concrete Constructors Erie County, NY 10/20/2006-1/7/2007	▪ **Hauled** (ROW & ROE) vegetative & C&D debris ▪ **Reduced** by grinding	$4,480,345	501,290	**Jodi Osinski**, UCC Constructors, Inc. 105 Center Rd, West Seneca, NY 14224, 716-822-5755, 716-822-8429, [redacted]	
Union Concrete Constructors Genesee County, NY 11/27/2006-1/18/2007	▪ **Hauled** (ROW & ROE) vegetative & C&D debris	$258,128	36,193	**Jodi Osinski**, UCC Constructors, Inc. 105 Center Rd, West Seneca, NY 14224, 716-822-5755, 716-822-8429 [redacted]	
2006 Tropical Storm Ernesto Recovery	➢ 2 Contracts	➢ $441,580 Invoiced	➢ 4,053 Tons		
City of Franklin, VA 10/17/2006-10/25/2006	▪ **Hauled** C&D debris	$41,436	320 Tons	**Russell Pace,** Director of PW 1050 Pretlow St., Franklin, VA 23851, 757-562-8564, rpace@franklinva.com	**Chad Edwards,** Deputy Director of PW 1050 Pretlow St., Franklin, VA 23851, 757-562-8563, cedwards@franklinva.com
York County, VA 9/27/2006-10/24/2006	▪ **Hauled** vegetative debris	$400,144	3,733 Tons	**Debbie Morris,** Division Chief of Financial & Management Dept. P.O. Box 352, Yorktown, VA 23690, 757-890-3700	**Laurie Halperin**, Recycling Coordinator 145 Goodwin Neck Rd, Yorktown, VA 23692, 757-890-3522, halperil@yorkcounty.gov

APPENDIX B – CrowderGulf Past Performance Chart with References

OWNER & TIMELINE	DESCRIPTION OF WORK	PROJECT VALUE	PROJECT CY	CONTRACTING POINT OF CONTACT	
2006 Projects not related to a declared disaster					
City of Atmore, AL **Ditch Cleaning & Debris Removal** 7/1/2006-8/16/2006	▪ **Special Projects:** drainage improvements throughout the City	$93,262	Lump Sum	**Nina Propst**, Administrative Assistant P.O. Drawer 1297, Atmore, AL 36502, 251-368-2253, ninad@cityofatmore.com	**Jim Staff**, Mayor 201 East Louisville Ave., Atmore, AL 36502, 251-368-2253, mayorstaff@cityofatmore.com
2005 Hurricane Wilma Recovery	➢ 19 Contracts	➢ $76,463,723 Invoiced	➢ 4,121,047 CY	➢ 11 DMS Site Managed	
City of Aventura, FL 10/29/2005-11/9/2005	▪ **Hauled** vegetative, C&D & mulch debris ▪ **Specialty Debris Removed:** stumps ▪ **Reduced** by grinding ▪ **At Cost Services:** landfill tipping fees	$359,967	17,168	**Robert Sherman**, Director of Community Services, 19200 West Country Club Dr., Aventura, FL 33180, 305-466-8930, rsherman@cityofaventura.com	**Eric Soroka**, City Manager 19200 West Country Club Dr., Aventura, FL 33180, 305-466-8910, esoroka@cityofaventura.com
Bonnet House Museum and Gardens of Fort Lauderdale, FL 11/16/2005-1/1/2006	▪ **Hauled** vegetative & C&D debris	$197,600	Lump Sum	Accounts Payable, 900 N Birch Rd., Fort Lauderdale, FL 33304	**Karen Beard**, CEO 900 N Birch Rd., Fort Lauderdale, FL 33304, 954-563-5393

Collier County, FL
10/22/2005-9/10/2006
	▪ **Special Projects:**
	  ▪ **Provided** generators, vac trucks with operators, & fuel services
	  ▪ **Debris Removal & Disposal Stormwater Management Contract** (Phase I > 3/20/2006-7/2/2006, Phase II > 8/13/2006-9/10/2006) wet debris removal from 40+ miles of canals
		$2,522,846	Lump Sum	**Ms. Margaret Bishop, PE**, Senior Project Manager
				2800 N Horseshoe Dr., Naples, FL 34104, 239-213-5897 margaretBishop@colliergov.net
					George Yilmaz, Director of Wastewater
					6027 Shirley St., Naples, FL 34109
					239-252-2600 GeorgeYilmaz@colliergov.net

City of Ft Lauderdale, FL 10/27/2005-3/8/2006	▪ **Emergency Push** ▪ **Hauled** (ROW & ROE) vegetative, C&D & mulch debris ▪ **Specialty Debris Removed:** (ROW & Parks) leaners/hangers, stumps, wet canal debris, sand screening ▪ **Reduced** by grinding ▪ **Provided** generators, ice. ▪ **At Cost Services:** landfill tipping fees	$28,000,000	1,025,131	**Albert Carbon**, Public Works Director 220 SW 14th Ave #4a, Ft. Lauderdale, FL 33312, 954-828-5341 ACarbon@fortlauderdale.gov	**Greg Slagle**, Public Works Department 220 SW 14th Ave #4a, Ft. Lauderdale, FL 33312, 954-828-5341, GSlagle@fortlauderdale.gov
City of Ft. Myers, FL 10/28/2005-12/13/2005	▪ **Emergency Push** ▪ **Hauled** vegetative, & mulch debris ▪ **Reduced** by grinding ▪ **Specialty Debris Removed:** stumps	$140,848	41,717	**William Mitchell**, City Manager 2200 Second Street, Ft. Myers, FL 33916, 239-321-7022 CityManager@cityftmyers.com	**Saeed Kazemi**, PW Director 2200 Second Street, Ft. Myers, FL 33916, 239-321-7215, SKazemi@cityftmyers.com
Fort Myers Beach, FL 11/7/2005-12/1/2005	▪ **Hauled** vegetative & C&D debris	$51,126	3,713	**Michelle Mayher**, Town Clerk 2523 Estero Blvd., Ft. Myers Beach, FL 33931, 239-765-0202 ext. 114, Michelle@fortmyersbeachfl.gov	**Terrance "Terry" Stewart**, Town Manager 2523 Estero Blvd., Ft. Myers Beach, FL 33931 239-765-0202 ext. 101, Terry@fortmyersbeachfl.gov
Golden Acres Housing Authority of Pompano Beach, FL 12/23/2005-1/5/2006	▪ **Hauled** vegetative, C&D & mulch debris ▪ **Reduced** by grinding ▪ **At Cost Services:** landfill tipping fees	$19,105	1,006	**Ralph Adderly** 321 W. Atlantic Blvd., Pompano Beach, FL 33060, 954-785-7200, radderly@hapb.org	**Donna Smith,** Finance Director 954-785-7200 ext 224, dsmith@hapb.org
Village of Lazy Lakes, FL 11/16/2005-12/9/2005	▪ **Emergency Push** ▪ **Hauled** vegetative, C&D & mulch debris ▪ **Reduced** by grinding	$41,526	1,797	**Lyn McFarland (now Scott Pringle),** Mayor 2210 Lazy Lane, Lazy Lake, FL 33305, 954-616-7801, lazylake1@aol.com	**Joe Fodera,** Village Clerk 2249 Lazy Lane, Lazy Lake, FL 33305, 954-563-8062, lazylake123@aol.com
Lee County, FL 10/25/2005-6/4/2006	▪ **Hauled** vegetative, C&D & stump debris (10/25/2005-12/13/2005) ▪ **Reduced** by grinding ▪ **Special Projects:** ▪ ***Debris Removal Lee County Public Works, Division of Natural Resources,*** (5/2/2006-6/4/2006) removed waterway debris	$7,995,412	451,948	**Lindsey Sampson**, Solid Waste Director 10550 Buckingham Rd, Ft. Myers, FL 33905 239-533-8000 LSampson@leegov.com	**Jason Fournier**, Operations Manager, Solid Waste, 10550 Buckingham Rd, Ft. Myers, FL 33905, 239-533-8920, jfournier@leegov.com
City of Naples, FL 3/26/2006	▪ **Special Projects**: Operated & managed grinding site	$8,253	2,751	**Brad White**, Solid Waste Superintendent 50 Riverside Cir., Naples, FL 34102, 239-213-4766, bwhite@naplesgov.com	**William Wilcox**, Solid Waste Supervisor 50 Riverside Cir., Naples, FL 34102, 239-213-4768, wwilcox@naplesgov.com

APPENDIX B – CrowderGulf Past Performance Chart with References

OWNER & TIMELINE	DESCRIPTION OF WORK	PROJECT VALUE	PROJECT CY	CONTRACTING POINT OF CONTACT	
Naples Airport Authority, FL 3/2006	▪ **Hauled** debris from areas of the airport ▪ **Reduced** by grinding ▪ **Special Projects**: Removed large berm from airport property	$273,200	Lump Sum	**Ervin N. Dehn, Jr.,** Dir. Of Eng. & Planning 160 Aviation Dr. N., Naples, FL 34104-3568, 239-643-0733 administration@flynaples.com	**Kerry Keith,** Director of Airport Development & Facilities 239-643-0733
City of North Miami, FL 10/28/2005-2/3/2006	▪ **Emergency Push** ▪ **Hauled** vegetative, C&D & mulch debris ▪ **Reduced** by grinding ▪ **Specialty Debris Removed:** stumps, leaners/hangers ▪ **At Cost Services**: landfill tipping fees	$3,830,000	310,901	**Mark E. Collins (now Aleem Ghany),** Public Works Director 776 NE 125th St, 3rd Floor, North Miami, FL 33161, 305-895-9830 ext.12247, aghany@northmiamifl.gov	**Kerrith Fiddler,** Asst. PW Director 1855 NE 142 Street, North Miami, FL 33181, 305-895-9878 ext 14003, kfiddler@northmiamifl.gov
City of North Miami Beach, FL 10/31/2005-12/15/2005	▪ **Hauled** vegetative, C&D & mulch debris ▪ **Reduced** by grinding ▪ **Special Projects**: Tree Removal from Pickwick Lake ▪ **At Cost Services**: landfill tipping fees	$522,918	38,275	**Kenny Paoletti,** Stormwater Management 305-948-2936 ext.3947 kenny.paoletti@citynmb.com	**Lisa Kloak,** Lisa.kloak@citynmb.com
City of Pembroke Pines, FL 10/27/2005-1/20/2006	▪ **Hauled** vegetative, C&D & mulch debris ▪ **Reduced** by grinding ▪ **Specialty Debris Removed:** stumps, damaged metal bleachers ▪ **Provided** generators ▪ **Special Projects:** Back filled & graded stump holes, ground City hauls	$13,116,763	876,699	**Shawn Denton,** Director of Public Services 10100 Pines Blvd, 4th Floor, Pembroke Pines, FL 33025, 954-437-1115, sdenton@ppines.com	**Paul Edelstein,** Deputy Director Public Services 13975 Pembroke Road, Pembroke Pines, FL 33027, 954-437-1115, pedelstein@ppines.com
City of Pompano Beach, FL 10/27/2005-1/20/2006	▪ **Hauled** vegetative, C&D & mulch debris ▪ **Specialty Debris Removed:** stumps ▪ **Reduced** by grinding ▪ **At Cost Services**: landfill tipping fees	$8,138,864	521,597	**Russell Ketchum,** Public Works 1201 NE 5 Avenue, Pompano Beach, FL 33061, 954-545-7011, Russell.Ketchem@ccpbfl.com	**Lamar Fisher,** Mayor 100 W Atlantic Blvd., Pompano Beach, FL 33060, 954-786-4623, lamar.fisher@copbfl.com
City of Sanibel Island, FL 10/28/2005-12/1/2005	▪ **Emergency Push** ▪ **Hauled** (ROW & ROE) vegetative & C&D debris ▪ **Special Projects:** Beach Work	$538,981	46,877	**Gates Castle,** Public Works Director 800 Dunlop Rd, Sanibel, FL 33957, 239-472-6397 gates.castle@mysanibel.com	**Scott Krawczuk,** PW Deputy Director 800 Dunlop Rd, Sanibel, FL 33957, 239-472-6397, scott.krawczuk@mysanibel.com
Village of Wellington, FL 10/26/2005-1/19/2006	▪ **Hauled** vegetative, C&D & mulch debris ▪ **Reduced** by grinding ▪ **At Cost Services**: landfill tipping fees	$5,822,102	375,803	**Tim Hunt,** 561-798-6378	**Jesse Wright,** Solid Waste Services Supervisor 14000 Greenbriar Blvd, Wellington, FL 33414 561-791-4078 jwright@wellingtonfl.gov
City of West Palm Beach, FL 10/27/2005-1/11/2006	▪ **Hauled** (ROW & ROE) vegetative, C&D & mulch debris ▪ **Reduced** by grinding ▪ **Specialty Debris Removed:** stumps ▪ **At Cost Services**: landfill tipping fees	$3,177,615	336,297	**Ken Reardon,** Assistant City Administrator 561-644-7483, kreardon@wpb.org	**John Alford,** Public Utilities Dept. Director 1045 Charlotte Ave, West Palm Beach, FL 33401, 561-822-2060 jalford@wpb.org
City of Wilton Manors, FL 10/29/2005-12/9/2005	▪ **Emergency Push** ▪ **Hauled** vegetative, C&D & mulch debris ▪ **Specialty Debris Removed:** stumps, leaners/hangers in Parks ▪ **Reduced** by grinding ▪ **At Cost Services**: landfill tipping fees	$1,706,597	69,367	**David Archacki,** EM Coordinator, 524 Northeast 21st Court, Wilton Manors, FL 33305, 954-390-2190, darchacki@wiltonmanors.com	**Rita Leseberg,** Admin. Coordinator 2020 Wilton Dr., Wilton Manors, FL 33305, 954-390-2190, RLeseberg@wiltonmanors.com
2005 Hurricane Rita Recovery	➢ 5 Contracts	➢ $94,502,646 Invoiced	➢ 10,548,710 CY	➢ 16 DMS Site Managed	
City of Dickinson, TX 10/3/05-10/18/05	▪ **Emergency Push** ▪ **Hauled** vegetative & C&D debris	$92,554	5,777	**Ivan Langford,** City Administrator, 2716 FM 517 East, Dickinson, TX 77539,	**Kellis George,** Director of PW 3120 Deats Rd., Dickinson, TX 77539, 281-337-6267, kgeorge@ci.dickinson.tx.us
Ceres Environmental - Calcasieu Parish, LA – USACE 9/30/2005-8/28/2006	▪ **Hauled** vegetative, C&D, ash & mulch debris ▪ **Specialty Debris Removed:** white goods, e-goods, leaners/hangers ▪ **Reduced** by burning & grinding (14 disposal sites) ▪ **Special Projects**: Surveyed houses for asbestos demo & properly disposed of asbestos, ▪ **At Cost Services:** landfill tipping fees ▪ **Subcontractor** for Ceres Environmental/United States Corps of Engineers	$81,506,090	9,463,080	**Bill Smith**, USCOE Tulsa, OK	**Charlie Crumpler,** USCOE Retired 918-669-7487, 901-508-9075

APPENDIX B – CrowderGulf Past Performance Chart with References

OWNER & TIMELINE	DESCRIPTION OF WORK	PROJECT VALUE	PROJECT CY	CONTRACTING POINT OF CONTACT	
City of Ft Lauderdale, FL 9/20/2005-10/6/2005	▪ **Special Projects**: beach work, cleaned sand debris & various projects	$205,010	1,083	**Albert Carbon**, Public Works Director 220 SW 14th Ave #4a, Ft. Lauderdale, FL 33312, 954-828-5341 ACarbon@fortlauderdale.gov	**Greg Slagle**, Public Works Department 220 SW 14th Ave #4a, Ft. Lauderdale, FL 33312, 954-828-5341, GSlagle@fortlauderdale.gov
Jefferson County, TX 9/30/2005-5/24/2006	**Pre-Event Contract,** (9/30/05-10/30/05 Pre CORPS) **Subcontractor** For D&J During CORPS Contract:,10/31/05-5/24/06 ▪ **Emergency Push** ▪ **Hauled** vegetative, C&D & ash debris ▪ **Reduced** by burning ▪ **At Cost Services:** landfill tipping fees	$12,698,992	1,078,770	**Mr. John Cascio (now Greg Fountain)**, Emergency Management Coordinator 1149 Pearl Street, Beaumont, TX 77701, 409-835-8757, gfountain@co.jefferson.tx.us	**Michael White**, Deputy EMC 1149 Pearl Street, Beaumont, TX 77701, 409-835-8787, mwhite@co.jefferson.tx.us
2005 Hurricane Katrina Recovery	➢ 32 Contracts	➢ $96,564,498 Invoiced	➢ 3,821,306 CY	➢ 8 DMS Site Managed	
Alabama State Docks	▪ **Hauled** vegetative & C&D debris from property	$90,000	Lump Sum	**Pete O'Neal**, Operations Coordinator, P.O. Box 1588, Mobile, AL 36633	
City of Aventura, FL 9/1/2005-9/3/2005	▪ **Hauled** vegetative & C&D debris	$30,462	2,437	**Robert Sherman**, Director of Community Services, 19200 West Country Club Dr., Aventura, FL 33180, 305-466-8930, rsherman@cityofaventura.com	**Eric Soroka**, City Manager 19200 West Country Club Dr., Aventura, FL 33180, 305-466-8910, esoroka@cityofaventura.com
Baldwin County, AL 9/1/2005-3/1/2006	▪ **Hauled** vegetative, C&D & concrete debris ▪ **Reduced** by grinding ▪ **At Cost Services:** landfill tipping fees	$3,748,310	309,998	**Kimberly Creech,** Director, Finance & Accounting 312 Courthouse Square, Suite 11, Bay Minette, AL 36507, 251-937-0303, kcreech@co.baldwin.al.us	**Cal Markert**, County Engineer 22070 Hwy 59, 3rd & 4th Floor, Robertsdale, AL 36567, cmarkert@baldwincountyal.gov

City of Biloxi, MS
9/1/2005-5/23/2007
	▪ **Hauled** (ROW & ROE) vegetative & C&D debris
	▪ **Reduced** by burning
	▪ **Specialty Debris Removed**: inaccessible trees, leaners/hangers, standing dead trees, white goods
	  ▪ Special Projects:
	  ▪ Demo & disposal of Gulf Beach Hotel
	  ▪ Boat Salvage
	  ▪ Beauvoir Oyster Bayou Debris Removal
	  ▪ Demo & proper disposal of structures containing asbestos
		$19,218,866	1,092,184	**A. J. Holloway**, Mayor
				140 Lamuese Street 2nd Floor, Biloxi, MS 39530,
				228-435-6254, mayor@biloxi.ms.us
					Jonathan Kiser, PE, Neel Schaffer
					772 Howard Ave., Biloxi, MS 39530, 228-374-1211,
					Jonathan.kiser@neel-schaffer.com

Bonnet House Museum and Gardens of Fort Lauderdale, FL	▪ **Hauled** vegetative & C&D debris	$86,800	Lump Sum	Accounts Payable, 900 N Birch Rd., Fort Lauderdale, FL 33304	**Karen Beard**, CEO 900 N Birch Rd., Fort Lauderdale, FL 33304, 954-563-5393
City of Daphne, AL 8/31/2005-10/10/2005	▪ **Emergency Push** ▪ **Hauled** vegetative & C&D debris ▪ **Reduced** by grinding	$641,687	58,764	**Ken Eslava (now Richard Johnson)**, PW Director, 26435 Public Works Rd, Daphne, AL 36526, 251-621-3182, directorpw@daphneal.com	**Melvin McCarley**, Public Works Director P.O. Box 400, Daphne, AL 36526 251-621-3182
City of D'Iberville, MS 9/1/2005-10/13/2005	▪ **Emergency Push**	$404,607	Hourly	**Mike Mullins**, Public Works Director 10383 Automall Pkwy., D'Iberville, MS 39540, 228-392-9734, mmullins@diberville.ms.us	
City of Ft Lauderdale, FL 8/27/2005-10/21/2005	▪ **Emergency Push** & various projects ▪ **Hauled** vegetative, C&D & mulch debris ▪ **Reduced** by grinding ▪ **Specialty Debris Removed**: leaners/hangers & stumps ▪ **At Cost Services**: landfill tipping fees	$5,578,452	174,081	**Albert Carbon**, Public Works Director 220 SW 14th Ave #4a, Ft. Lauderdale, FL 33312, 954-828-5341 ACarbon@fortlauderdale.gov	**Greg Slagle**, Public Works Department 220 SW 14th Ave #4a, Ft. Lauderdale, FL 33312, 954-828-5341, GSlagle@fortlauderdale.gov

City of Gulf Shores, AL
10/2/2005-2/20/2006
	▪ **Special Projects**:
	  ▪ Removed & disposed of debris at West Beach
	  ▪ Beach plowing, sand screening & 7 miles of berm reconstruction
		$7,147,306	270,218	**Mark Acreman**, PE City Engineer
				P.O. Box 299, Gulf Shores, AL 36547, 251-968-1155 macreman@gulfshoresal.gov	

City of Gulfport, MS 12/10/2005-9/20/2006	**Pre-Event Contract Activated** (12/10/2005-6/29/2006), **Demo & Debris Removal** (3/16/2006-9/20/2006) ▪ **Emergency Push** ▪ **Hauled** vegetative, C&D & demo debris ▪ **Special Projects**: demo of commercial property south of CSX Railroad	$10,867,616	269,587	**Bill Powell**, Director of Engineering 4050 Hewes Ave, Gulfport, MS 39507 228-868-5815 engineering@ci.gulfport.ms.us	**John Hoyle**, Vice President, R. W. Beck Eng. 321-303-2543 jhoyle@rwbeck.com

APPENDIX B – CrowderGulf Past Performance Chart with References

OWNER & TIMELINE	DESCRIPTION OF WORK	PROJECT VALUE	PROJECT CY	CONTRACTING POINT OF CONTACT	
Hancock County, MS **Removal & Disposal of Junked/Abandoned Vehicles** 5/31/2007 – 6/25/2007	▪ **Special Projects**: Removal and disposal of junked / abandon small & large vehicles as well as boats.	$360,000	Lump Sum	**Travis McCoy**, Neel-Schaffer 601-948-3071 travis.mccoy@neel-schaffer	**Brian Adams,** EM Hancock County 228-466-8201
Harrison County, MS 8/31/2005-9/11/2005	▪ **Emergency Push**	$608,369	Hourly	**Pamela Ulrich**, Harrison Co Board of Supervisors, 1801 23rd Ave, Gulfport, MS 39502	**Rupert Lacy,** EM Director 1801 23rd Ave., Gulfport, MS 39501, 228-865-4002, rupertlacy@co.harrison.ms.us
Jackson County, MS (TCB) 5/26/2006 – 8/31/2006	▪ **Special Projects**: debris generated by Hurricane Katrina removed from drainage ways & waterways	$1,679,944	119,996	**Sam Taylor,** Neel-Schaffer Engineering	**Jonathan Kiser, PE**, Neel Schaffer 228-374-1211 jkiser@neel-schaffer.com
Jefferson Parish, LA 9/2/2005-9/9/2005	▪ **Emergency Push** ▪ **Services:** generators & fuel	$293,393	Hourly	**Deano Bonano** 1221 Elmwood Park Blvd., Suite 1002, Jefferson LA 70123, dbonano@jeffparish.net	**Col. David Dysart,** Director of EM 910 3rd St., Gretna, LA 70053, 504-349-5360, JPEOC@JeffParish.net
State of Louisiana Dept. of Wildlife & Fisheries 7/9/2007-1/16/2011	**East Baton Rouge Parish Shrimp & Fishing Grounds Debris Removal Contract** ▪ **Special Projects**: side scan sonar in statewide coastal waters of Louisiana for the removal & disposal of debris	$5,143,200	Lump Sum	**Martin Bourgeois**, Marine Fisheries Biologist 2000 Quail Dr., Baton Rouge, LA 70808, 225-765-2401 mbourgeois@wlf.louisiana.gov	**Kell McInnis, III,** Executive Director 2000 Quail Dr., Baton Rouge, LA 70808, 225-765-5100, kmcinnis@wlf.la.gov
City of Moss Point, MS 5/22/2007-8/28/2007	▪ **Hauled** vegetative & C&D debris	$450,924	38,278	**Stephanie Thompson**, Diversified Consultants	**Jennifer Flanigan** 4412 Denny St., Moss Point, MS 39563, [redacted]
City of North Miami, FL 9/9/2005-9/12/2005	▪ **Hauled** vegetative & C&D debris	$122,488	11,442	**Mark E. Collins (now Aleem Ghany)**, Public Works Director 776 NE 125th St, 3rd Floor, North Miami, FL 33161, 305-895-9830 ext.12247, aghany@northmiamifl.gov	**Kerrith Fiddler**, Asst. PW Director 1855 NE 142 Street, North Miami, FL 33181, 305-895-9878 ext 14003, kfiddler@northmiamifl.gov
City of Orange Beach, AL 8/30/2005	▪ **Special Projects**: beach work, sand screening & various projects ▪ **At Cost Services**: landfill tipping fees	$265,701	181,974	**Nicole Woerner**, Coastal Resources Planner 4101 Orange Beach Blvd. Orange Beach, AL 36561, 251-981-1063, nwoerner@cityoforangebeach.com	**Phillip West**, Costal Resource Manager 4101 Orange Beach Blvd., Orange Beach, AL 36561, 251-981-6788, pwest@cityoforangebeach.com
City of Pascagoula, MS 9/1/2005-7/31/2010	**Pre-Event Debris Contract** (9/1/05-9/4/05 & 7/1/06-8/28/07) **Worked Under Ashbritt/USACE Contract W912P8-05-D-0025** (9/5/05-6/30/06) ▪ **Emergency Push** ▪ **Hauled** vegetative & C&D debris ▪ **Specialty Debris Removed**: (ROW & ROE) leaners/hangers, white goods ▪ **Special Projects**: ▪ Demolition of houses & proper disposal of asbestos material. ▪ Supplied ice, meals, generators, temp trailers, fuel, radios, & vehicles ▪ **Demo Carver Village,** 1/9/2007-1/30/2007 ▪ **Culvert Debris Cleaning North of Ingalls Avenue,** 6/6/2007-7/31/2010 cleaning & video inspection of storm sewers in the City, primarily all storm drain piping ▪ Demo of Houses, 10/2/2007-10/19/2007	$22,535,788	1,204,673	**Kay Kell (now Joseph Huffman)**, City Manager 603 Watts Ave, Pascagoula, MS 39567 228-938-6614, jhuffman@cityofpascagoula.com **Brian Nelson**, Public Works Director 228-938-6620 banelson@cityofpascagoula.com	**Jaci Turner, P.E.**, Program Manager 228-938-6726, jturner@cityofpascagoula.com
City of Pembroke Pines, FL 8/29/2005-9/16/2005	▪ **Hauled** vegetative, C&D & mulch debris ▪ **Specialty Debris Removed**: stumps ▪ **Reduced** by grinding & burning	$727,587	55,339	**Shawn Denton**, Director of Public Services 10100 Pines Blvd, 4th Floor, Pembroke Pines, FL 33025, 954-437-1115, sdenton@ppines.com	**Paul Edelstein,** Deputy Director Public Services 13975 Pembroke Road, Pembroke Pines, FL 33027, 954-437-1115, pedelstein@ppines.com
City of Pompano Beach, FL 8/31/2005-9/23/2005	▪ **Hauled** vegetative, C&D & mulch debris ▪ **Reduced** by grinding	$140,795	15,613	**Russell Ketchum**, Public Works 1201 NE 5 Avenue, Pompano Beach, FL 33061, 954-545-7011, Russell.Ketchem@copbfl.com	**Lamar Fisher,** Mayor 100 W Atlantic Blvd., Pompano Beach, FL 33060, 954-786-4623, lamar.fisher@copbfl.com

APPENDIX B – CrowderGulf Past Performance Chart with References

OWNER & TIMELINE	DESCRIPTION OF WORK	PROJECT VALUE	PROJECT CY	CONTRACTING POINT OF CONTACT	
United States Coast Guard 8/17/2006-6/30/2007 **Contract HSCG84-06-Q-AA8172** 8/17/2006-2/2/2007 **Contract HSCG84-06-Q-AA8175** 8/22/2006-10/22/2006 **Contract HSCG84-07-R-HYV020** 3/17/07-5/16/07 **Contract HSCG84-07-C-HYV019** 3/30/2007-6/30/2007	▪ **Special Projects**: ▪ Disposed of wet debris from coastline to ½ mile from shores in Jackson, Harrison & Hancock Counties, MS ▪ Removed & dispose of marine debris in Hancock County, MS ▪ Remove & dispose of wet debris from Jackson County MS Bayous ▪ Teamed with small local marine business - removed & disposed of marine debris from ½ Mile to 4 miles offshore in Jackson, Hancock, & Harrison Counties, MS	$15,997,163	Lump Sum Contracts	**Commander Carl Edminston** 251-583-8420 carl.j.edminston@uscg.mil	**Lt. Patrick Coleman** 251-234-0501 patrick.f.coleman@uscg.mil
Walton County, FL 9/8/2005-9/17/2005	▪ **Hauled** C&D & Lake debris	$77,190	2,794	**Bill Imfeld (now Wanda Quimby)**, Director of Purchasing 176 Montgomery Circle, Defuniak Springs, FL 32435, 850-892-8470 smiwanda@co.walton.fl.us	**Al Ford**, EM Coordinator 752 Triple G Road, DeFuniak Springs, FL 32433, 850-892-8065, aford@waltonso.org
City of Waveland, MS 8/31/2005-9/5/2005	▪ **Emergency Push** ▪ **Provided** emergency generators	$145,066	Hourly	**Mayor Tommy Longo** (now David Garcia), 315 Coleman Ave, Waveland, MS 39576, 228-467-4134,	
City of Wilton Manors, FL 8/29/2005-9/6/2005	▪ **Emergency Push** ▪ **Hauled** vegetative, C&D & mulch debris ▪ **Reduced** by grinding ▪ **At Cost Services**: landfill tipping fees	$202,774	13,928	**David Arcnacki**, EM Coordinator, 524 Northeast 21st Court, Wilton Manors, FL 33305, 954-390-2190, darchacki@wiltonmanors.com	**Rita Leseberg**, Admin. Coordinator 2020 Wilton Dr., Wilton Manors, FL 33305, 954-390-2190, RLeseberg@wiltonmanors.com
2005 Hurricane Dennis Recovery	➢ 11 Contracts	➢ $12,234,092 Invoiced	➢ 950,593 CY	➢ 6 DMS Site Managed	
City of Atmore, AL 7/25/2005-4/18/2006	▪ **Hauled** vegetative, C&D & ash debris ▪ **Reduced** by burning ▪ **Specialty Debris Removed:** leaners/hangers, stumps	$993,136	93,101	**Nina Propst**, Administrative Assistant P.O. Drawer 1297, Atmore, AL 36502, 251-368-2253, ninad@cityofatmore.com	**Jim Staff**, Mayor 201 East Louisville Ave., Atmore, AL 36502, 251-368-2253, mayorstaffl@cityofatmore.com
Baldwin County, AL 7/26/2005-8/27/2005	▪ **Hauled** vegetative & C&D debris ▪ **At Cost Services:** landfill tipping fees	$564,552	44,563	**Kimberly Creech,** Director, Finance & Accounting 312 Courthouse Square, Suite 11, Bay Minette, AL 36507, 251-937-0303, kcreech@co.baldwin.al.us	**Cal Markert,** County Engineer 22070 Hwy 59, 3rd & 4th Floor, Robertsdale, AL 36567, cmarkert@baldwincountyal.gov
Bay County, FL 7/27/2005-8/5/2005	▪ **Hauled** vegetative & C&D debris ▪ **Reduced** by grinding ▪ **At Cost Services:** landfill tipping fees	$166,784	9,175	**Richard Hunt**, (now **Glen Ogborn**) Solid Waste Manager 11411 Landfill Rd., Panama City, FL 32413, 850-233-5047 ax, gogborn@baycountyfl.gov	**Jamie Jones,** Director 8110 John Pitts Road, Panama City, FL 32404, 850-248-8732, jjones@baycountyflgov.
City of Cedar Grove, FL 7/23/2005-8/3/2005	▪ **Hauled** vegetative debris ▪ **At Cost Services:** landfill tipping fees	$12,751	850	**Nathan Lisenby**, Mayor 2728 East 14th St., Cedar Grove, FL 32401, 850-763-2911	
City of Destin, FL 7/18/2005-8/16/2005	▪ **Hauled** (ROW & Beach) vegetative, C&D & mulch debris ▪ **Reduced** by grinding ▪ **Special Projects**: sand screening, beach work ▪ **At Cost Services:** landfill tipping fees	$352,395	26,235	**Tim Pientinpol,** Deputy Dir. Public Services, 4200 Indian Bayou Trail, Destin, FL 32541, 850-837-6869, tpientinpol@cityofdestin.com	**Chuck Meister,** City Engineer 4200 Two Trees Rd., Destin, FL 32541, 850-837-4242, ax, cmeister@cityofdestin.com
Escambia County, FL 7/14/2005-11/9/2007	▪ **Emergency Push** ▪ **Hauled** vegetative, C&D, C&D compacted & mulch debris ▪ **Reduced** by grinding ▪ **Special Projects: Parks & Recreation Department -** Demo of former Navy housing, II Phase of Lexington Terrace, 7/20/2005-11/9/2007	$6,380,163	578,164	**Richard Noyes**, Chief of Operations, Parks & Recreation Department 1651 East Nine Mile Rd, Pensacola, FL 32514 850-475-5220	**Paul R. Nobles**, Purchasing Coordinator 213 Palafox Place, 2nd Floor, Pensacola, FL 32502 850-595-4918 paul_nobles@co.escambia.fl.us
City of Flomaton, AL 8/8/2005-8/19/2005	▪ **Hauled** vegetative & C&D debris ▪ **Provided** Man lift at disposal site	$62,883	9,872	**Nina Propst**, Administrative Assistant P.O. Drawer 1297, Atmore, AL 36502, 251-368-2253, ninad@cityofatmore.com	**Jim Staff**, Mayor 201 East Louisville Ave., Atmore, AL 36502, 251-368-2253, mayorstaffl@cityofatmore.com
Franklin County, FL 9/6/2005-10/4/2005	▪ **Hauled** vegetative & C&D debris	$41,288	2,555	**Alan Pierce** 28 Airport Rd, Apalachicola, FL 32320, 850-653-8977	**Pamela Brownell**, EM Director 28 Airport Rd, Apalachicola, FL 32320, 850-653-8977

APPENDIX B – CrowderGulf Past Performance Chart with References

OWNER & TIMELINE	DESCRIPTION OF WORK	PROJECT VALUE	PROJECT CY	CONTRACTING POINT OF CONTACT	
VMS **Various FL Locations** 7/11/2005-10/25/2005	▪ **Hauled** (ROW & Private) vegetative, C&D & mulch debris ▪ **Reduced** by grinding ▪ **Counties:** Franklin, Okaloosa, Santa Rosa, Walton	$1,762,389	71,828	**Doug Aaron**, VMS, 850-544-4242 **Marlin Harbock**, Franklin County VMS, 850-544-1988, 850-997-5000, mholzbach@vms.com	**Bob Stinebaugh**, Valparaiso VMS, 850-678-2993, 850-544-5139
Wakulla County, FL 7/15/2005-9/30/2005	▪ **Hauled** (ROW & Private) vegetative, C&D, C&D compacted & ash debris ▪ **Reduced** by burning ▪ **Specialty Debris Removed:** white goods	$424,468	59,323	**Howar Kessler**, County Board Chairman, 251 Levy Bay Rd, Panacea, FL 32346, 850-984-4933, hkessler@mywakulla.com	**Cleve Fleming**, Project Manager 340 Trice Lane, Crawfordville, FL 32327, 850-926-7616,
Walton County, FL 7/15/2005-9/15/2005	▪ **Hauled** (ROW & ROE) vegetative, C&D, concrete, wet lake debris, mulch & beach debris ▪ **Reduced** by grinding ▪ **Special Projects:** various projects	$1,473,283	54,927	**Bill Imfeld (now Wanda Quimby)**, Director of Purchasing 176 Montgomery Circle, Defuniak Springs, FL 32435, 850-892-8470 smiwanda@co.walton.fl.us	**Al Ford**, EM Coordinator 752 Triple G Road, DeFuniak Springs, FL 32433, 850-892-8065, aford@waltonso.org
2005 Tropical Storm Cindy Recovery					
Jefferson Parish, LA 7/13/2005-7/30/2005	▪ **Hauled** vegetative & C&D debris	$349,675	42,384	**Deano Bonano** 1221 Elmwood Park Blvd., Suite 1002, Jefferson, LA 70123	**Col. David Dysart,** Director of EM 910 3rd St., Gretna, LA 70053, 504-349-5360, JPEOC@JeffParish.net
2005 Projects not related to a declared disaster					
City of Pensacola, FL **Carpenter's Creek Project**	▪ **Special Project:** hauled vegetative & C&D debris from floodplain in Carpenter's Creek	$232,500	Lump Sum		
Desoto County, FL **Water-shed Project** 2/16/2005-4/1/2005	▪ **Special Project:** repairs & improvements	$629,055	Hourly	**Mary Tucker (now Cindy Talamantez),** Purchasing Manager 201 East Oak St., Suite 203, Arcadia, FL 34266, 863-993-4816, C.talamantez@desotobocc.com	**Doug Christ**, Emergency Manager 2200 NE Roan St., Arcadia, FL 34266, 863-993-4831, D.christ@desotobocc.com

WEEKS MARINE







HOUSTON-GALVESTON MID-BAY NAVIGATION PROJECT

Houston Ship Channel, Texas

Owner/Client:
U.S. Army Corps of Engineers

Year Complete:
2004

Scope of Work:
Construction Dredging
Levee Construction
Stone Revetment

Project Cost:
$105M

Project Description:

Weeks Marine completed the Houston-Galveston Mid-Bay Navigation Project for the U.S. Army Corps of Engineers, Galveston District. The project involved the deepening and widening of the existing Houston Ship Channel. Upon completion approximately 16 million cubic yards of very stiff clay were dredged and placed in levee alignment.

In order to provide future disposal capacity, the Mid-Bay project also required the construction of a confined disposal facility in the open waters of Galveston Bay. The open water facility encompasses over 7 miles of containment levee.

Every major type of dredging plant was utilized during the performance of the Mid-Bay project. The 26 cubic yard clamshell dredge *506*, the 4,000 cubic yard hopper dredges *RN Weeks* and *BE Lindholm* and the 30" cutter dredges *Tom James* and *George D. Williams* all contributed to the effort.

304 GAILLE DRIVE, COVINGTON, LA 70433, (985) 875-2500
www.weeksmarine.com

WEEKS MARINE



SANDY HOOK CHANNEL

New York Harbor, New Jersey

Owner/Client:
USACE New York District

Year Complete:
2009

Scope of Work:
Maintenance Dredging

Project Cost:
$1.5 M

Project Description:

The Sandy Hook Channel Federal Navigation project was performed for the U.S. Army Corps of Engineers, New York District and was completed in 2009. The Base work included maintenance dredging of 35,140 cubic yards of material above the grade of 35 feet below MLW with 2 feet allowable overdepth, from the Bayside section of the Sandy Hook Channel with placement of the sand at the Historic Area Remediation Site (HARS) for environmental remediation purposes. The Option 1 project work included maintenance dredging of 57,633 cubic yards of material above the grade of 35 feet below MLW, from the East section of the Sandy Hook Channel with placement of the sand at the HARS. The Option 2 work included maintenance dredging of 49,752 cubic yards of material above the grade of 35 feet below MLW, from the East section of the Sandy Hook Channel with placement of the sand at the HARS. The placement area HARS was a distance of 6.1 miles away from the dredging area. Weeks Marine utilized its 4,000 Cubic Yard hopper dredge B.E. Lindholm to complete this project.





ST. PETERSBURG HARBOR

St. Petersburg, Florida

Owner/Client:
USACE Jacksonville

Year Complete:
2002

Scope of Work:
Maintenance Dredging
Beach Renourishment

Project Cost:
$8M

Project Description:

The St. Petersburg Project involved the maintenance dredging of St. Petersburg Harbor and the placement of dredged sand on the beach at Egmont Key. The equipment utilized to complete the work included the hopper dredge *R.N. Weeks*, the clamshell dredge *W549*, the hydraulic unloader *W320* and a host of scows, tugs and other ancillary equipment.

The hopper dredge utilized a mooring barge to facilitate direct pump out of sand to the beach. The clamshell dredge loaded scows which were unloaded by the *W320* and subsequently, the sand was pumped to the beach, placed and graded. Upon completion of the project approximately 630,000 cubic yards of sand was dredged and placed on the beach. Proper coordination of a project that involves the operation of hopper dredges, clamshell dredges, scows, tugs, hydraulic unloaders and countless pieces of support equipment is essential for successful execution.

The project was performed for the U.S. Army Corps of Engineers, Jacksonville District and was completed in 2002. The owner's point of contact for the project is Frank Mohr, Area Engineer, at (813-840-0824).



MISSISSIPPI RIVER HOPPER DREDGE RENTALS

Plaquemines Parish, LA

Owner/Client:
USACE New Orleans District

Year Complete:
2008

Scope of Work:
Maintenance Dredging

Project Cost:

W912P8-08-C-0034: 4.1 M
W912P8-08-C-0054: 4.7 M
W912P8-08-C-0072: 4.2 M
W912P8-08-C-0081: 5.2 M

Project Description:

Weeks Marine Performed (4) four Mississippi River, Baton Rouge to the Gulf of Mexico, Southwest Pass to Cubits Gap, Hopper dredge rental contracts for the U.S. Army Corps of Engineers, New Orleans District in 2008. Work consisted of providing a fully crewed and equipped self-propelled trailing suction-type dredge on a rental basis for maintenance dredging in the Mississippi River southwest pass area and the Mississippi River crossings to Baton Rouge, LA. The channel was dredged to -51 FT MLG, then the material was hauled and bottom dumped either to a dredge re handling area at Pass A Loutre, an offshore disposal area at the mouth of the river, or several different river disposal areas for the crossings. During these (4) four contracts Weeks Marine hauled and dumped approximately 5,234,000 cubic yards of material. Weeks Marine utilized its 4,000 Cubic Yard hopper dredges, B.E. Lindholm and R.N. Weeks to complete these projects.



EAST MARSH ISLAND MARSH CREATION PROJECT (TV-21)

Iberia Parish, Louisiana

Owner/Client:
Louisiana Office of Coastal Protection and Restoration.

Year Complete:
2011

Scope of Work:
Marsh Creation

Project Cost:
$17.8M

Project Description:

The East Marsh Island marsh creation project was performed for the Louisiana Office of Coastal Protection and Restoration (OCPR) and was completed in 2011. The Project included the excavation and pumping approximately 3,800,000 cubic yards of marsh fill on East Marsh Island for marsh creation from an offshore borrow area. Weeks Marine built 34,470 feet of containment dike around the island to contain marsh fill. Weeks Marine created approximately 365 acres of marsh at East Marsh Island. All of the dredging was performed by Weeks Marines 30 inch Cutter Suction Dredge, *Venture*.

WEEKS MARINE



EAST GRAND TERRE ISLAND RESTORATION PROJECT (BA-30)

Jefferson and Plaquemines Parishes, Louisiana

Owner/Client:
Louisiana Office of Coastal Protection and Restoration.

Year Complete:
2010

Scope of Work:
Island Restoration
Beach and Marsh fill.

Project Cost:
$29.8M

Project Description:

The East Grand Terre Island Restoration project was performed for the Louisiana Office of Coastal Protection and Restoration (OCPR) and was completed in 2010. The Project included the excavation and pumping approximately 2,200,000 cubic yards of sand on East Grand Terre for dune and beach fill from an offshore borrow area. The Beach and Dune fill stretched over 14,700 feet along the Gulf side of East Grand Terre. Weeks Marine then built 15,200 feet of containment dike around the landward side of the island to contain marsh fill. WMI then pumped 1,000,000 cubic yards of marsh fill onto the island creating approximately 385 acres of marsh. All of the dredging was performed by Weeks Marines 30 inch Cutter Suction Dredge, *Capt. Frank*, Once the new beach and dune were in place, 16,910 feet of sand fence was installed over the entire distance of the beach.



GRAND ISLE HURRICANE PROTECTION PROJECT

Grand Isle, Louisiana

Owner/Client:
USACE New Orleans
Hurricane Protection Office

Year Complete:
2010

Scope of Work:
Hurricane Rehabilitation
& Protection

Project Cost:
$27M

Project Description:

The Grand Isle project was performed for the U.S. Army Corps of Engineers, New Orleans District Hurricane Protection Office and was completed in 2010. The Project included excavation and removal of the existing dune feature for the Island of Grand Isle. The dune material was then used as fill for the installation of (6) six miles of Sand filled Geotubes. The 30 Ft Circumference geotubes form the core of a much larger dune feature that Weeks Marine Installed. Once the Geotubes were in place the 30 inch Cutter Suction Dredge, *E.W. Ellefsen*, pumped approximately (1) one million yards of sand on Grand Isle for dune and beach fill from an offshore borrow area. The Beach and Dune fill stretched over (7) seven miles along the Gulf side of Grand Isle. Once the new beach and dune were in place, sand fence and dune grass was installed over the entire distance of the beach. Finally, Weeks Marine installed (8) Emergency Vehicle Crossover's and (20) twenty pedestrian walkways over the new dune feature.



WHISKEY ISLAND BACK BARRIER MARSH CREATION PROJECT (TE-50)

Terrebonne Parish, Louisiana

Owner/Client:
Louisiana Office of Coastal Protection and Restoration.

Year Complete:
2009

Scope of Work:
Marsh Creation
Dune and Marsh fill.

Project Cost:
$23 M

Project Description:

The Whiskey Island Back Barrier Marsh Creation project was performed for the Louisiana Office of Coastal Protection and Restoration (OCPR) and was completed in 2009. The Project included the excavation and pumping approximately 2,300,000 cubic yards of marsh fill and 250,000 cubic yards of sand for dune fill on Whiskey Island. The material came from offshore borrow areas. The Dune fill stretched over 13,000 feet along the Gulf side of Whiskey Island. Weeks Marine built 17,000 feet of containment dike around the landward side of the island to contain marsh fill. The marsh fill created approximately 316 acres of marsh. All of the dredging was performed by Weeks Marines 30 inch Cutter Suction Dredge, *E.W. Ellefsen*, Once the new dune was in place, 13,000 feet of sand fence was installed over the entire distance of the dune. Finally Weeks Marine seeded the 66 acre dune.

WEEKS MARINE



GOOSE POINT/POINT PLATTE MARSH CREATION PROJECT (PO-33)

St Tammany Parish, Louisiana

Owner/Client:
Louisiana Department of Natural Resources.

Year Complete:
2008

Scope of Work:
Marsh Creation
Marsh Renourishment

Project Cost:
$12.3 M

Project Description:

The Goose Point/Point Platte marsh creation project was performed for the Louisiana Department of Natural Resources and was completed in 2008. The Project included the excavation and pumping approximately 3,100,000 cubic yards of marsh fill on Goose Point/Point Platte for marsh creation. The material came from an offshore borrow areas. Weeks Marine built 49,700 feet of containment dike in the area to contain marsh fill. Weeks Marine created approximately 420 acres of marsh and renourished 150 acres of marsh at Goose Point/Point Platte. All of the dredging was performed by Weeks Marines 30 inch Cutter Suction Dredges, *Capt Frank, Venture, & Borinquen.*

304 GAILLE DRIVE, COVINGTON, LA 70433, (985) 875-2500
www.weeksmarine.com

WEEKS MARINE



CHALAND HEADLAND RESTORATION PROJECT (BA-38-2)

Gulf Of Mexico, Louisiana

Owner/Client:
Dept. of Commerce/NOAA
CWPPRA Project.

Year Complete:
2006

Scope of Work:
Island Restoration
Beach and Marsh fill.

Project Cost:
$14.8M

Project Description:

The Chaland Headland Restoration project was performed for the Dept. of Commerce/NOAA and was completed in 2006. The Project included the excavation and pumping approximately 1,750,000 cubic yards of sand for dune & beach fill and 740,000 cubic yards of marsh fill on Chaland Headland. The material came from offshore borrow areas. The Beach and Dune fill stretched over 14,000 feet along the Gulf side of Chaland. Weeks Marine built 20,000 feet of containment dike on the bay side of the island to contain marsh fill. Weeks Marine created approximately 220 acres of marsh. Once the beach and dune were in place 27,350 feet of sand fence was installed over the entire distance of the beach. All of the dredging was performed by Weeks Marines 30 inch Cutter Suction Dredge, *Capt. Frank*,

MATRIXNEWORLD

Oiled Wildlife Recovery
Phillips66 Bayway Refinery
Linden, Union County, New Jersey

CLIENT

Tri-State Bird Rescue & Research (Sub to Phillips66)

CONTACT

Sarah Tegtmeier
302-727-9543

COST

$55,000 (Matrix Fee)

DURATION

November – December 2012

KEY PERSONNEL

Lawrence Malizzi, PG
Alan Parsons, Ph.D.
Rejina Sharma
Erin Terwilliger

PURPOSE OF CONTRACT

Following the aftermath of Hurricane Sandy's record-breaking tidal surges that devastated the shorelines of New Jersey on October 29, 2012, a spill at the Phillips66 Bayway Refinery sent crude oil into nearby wetlands and reservoirs where local wildlife were hiding from the storm.

Matrix was retained by Tri-State Bird Rescue & Research (Tri-State) to assist in recovering oiled wildlife during the spill response at the Phillips66 Refinery and neighboring properties. Matrix's team of biologists and ecologists worked closely with Tri-State, Phillips66, and various federal and state agencies such as the U.S. Coast Guard (USCG), U.S. Fish and Wildlife Service (USFWS), New Jersey Department of Environmental Protection (NJDEP) Division of Fish and Wildlife and U.S Department of Agriculture (USDA) Wildlife Services through the Incident Command Structure (ICS) to develop a plan for recovery of oiled wildlife. The Matrix Team responded to oiled wildlife hotline calls from the public and conducted surveys by foot, car and boat to areas where oiled wildlife were hiding. Daily observations were collected and reports were maintained for the incident record. Several different types of wildlife capture techniques were utilized during the response including hand netting, net guns, and application of Alpha-Chloralose to individual oiled birds. Larger flocks of geese were captured using cannon netting throughout large green spaces such as County parks and baseball fields. The primary species of wildlife recovered include Canada goose, double-crested cormorant, mallard, great blue heron, American egret, snowy egret, ring-billed gull, laughing gull, herring gull, snapping turtle, painted turtle and eastern garter snake. The Matrix Team also implemented a bird deterrent plan and deployed Eagle Eye Bird Scarers, mylar reflective tape fencing and Bird Scare Octopus/Bird Chaser inflatable vinyl balls throughout portions of the Phillips66 Refinery.





MATRIXNEWORLD

Natural Resources Damage Assessment Sampling
Shoreline Cleanup and Assessment Technique
Confidential Client
Sewaren, New Jersey

CLIENT

O'Brien & Gere Response

CONTACT

V. Lyle Trumbul, PhD
215-628-9100

COST

$55,000 (Matrix Fee)

DURATION

November 2012

KEY PERSONNEL

Lawrence Malizzi, PG
Derron LaBrake, PWS
Brian Stabile

PURPOSE OF CONTRACT

When Hurricane Sandy struck New Jersey on October 29, 2012, a tidal surge forced several aboveground storage tanks off their foundations and releasing approximately 300,000 gallons of refined diesel fuel into the Arthur Kill, Woodbridge Creek and Smith Creek.

Matrix was retained by O'Brien and Gere Response to perform Natural Resource Damage Assessment (NRDA) sampling and Shoreline Cleanup Assessment Team (SCAT) assessment surveys along the shorelines impacted as a result of the incident. Matrix's team of field scientists collected surface water samples to determine the extent of the release, and for "fingerprinting" to determine the source where the product originated. The collection of the surface water samples was performed in support of addressing the expected NRDA liability.

The Matrix team also performed a SCAT assessment along the reach of the Arthur Kill in close proximity to the source of the release. All of Matrix's work was conducted under the supervision of the Incident Command Structure (ICS), which was under the direct supervision of the US Coast Guard and New Jersey Department of Environmental Protection. The Matrix Team provided debriefs at the end of each day's work.





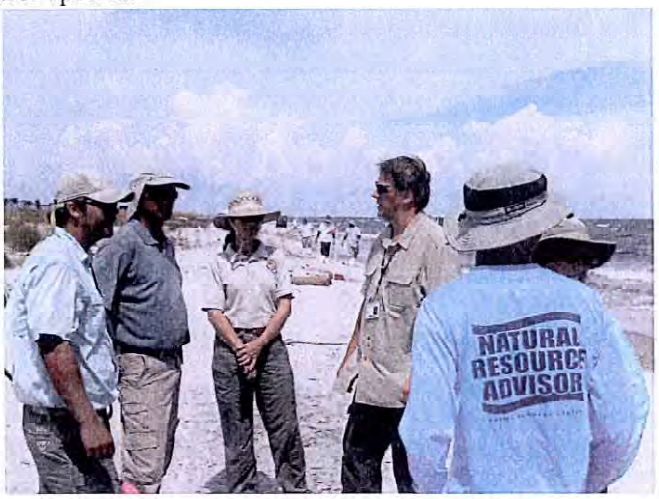


Natural Resource Advisor Program – Mississippi Canyon 252, Deepwater Horizon Spill, Gulf of Mexico

PURPOSE OF CONTRACT

The Mississippi Canyon 252 (MC252) Deepwater Horizon oil spill in the Gulf of Mexico was the largest release in American waters. The historical release also saw an unprecedented number of response personnel dedicated to stopping, containing, and cleaning up over 200 million gallons of crude oil spilled into the Gulf of Mexico. The cleanup operations exceeded 45,000 responders from over 100 private companies including experts from nine oil companies, the United States Coast Guard, Navy, Departs of Energy and interior, Environmental Protection Agency, as well as the State Governments of Florida, Alabama, Mississippi, Louisiana and Texas, as well as local County and Parishes of the Gulf Coast.

Matrix staff managed the Natural Resource Advisor (NRA) program, to oversee compliance with agency BMPs and assist operations crews in minimizing potential injury to natural and cultural resources. The NRA program was comprised of 100 professional biologists distributed throughout the response area and imbedded within the field operations crews in Louisiana, Mississippi, Alabama, and Florida. Many of the shoreline cleanup activities had the potential to cause inadvertent but significant impacts to natural and cultural resources. As part of an emergency section 7 consultation, the USFWS developed a list of Best Management Practices (BMPs) to be implemented to minimize the impacts to federally listed species, designated critical habitat, and candidate species. Additional BMPs were developed to aid compliance with U.S. Army Corps of Engineers permits and conditions required by state natural and cultural resource agencies. Matrix NRA program managers attended daily operations planning meetings and offered suggestions to maximize cleanup efficiency while minimizing resource impacts. NRAs delineated sensitive natural and cultural resources, directed cleanup crews and mechanized equipment away from these areas, and advised field operations on the least intrusive locations for staging and ingress/egress to the beach. Cleanup activities in sensitive habitats (wetlands, dunes, bird and turtle nesting areas, etc.) were continuously monitored. Where state or federal authorization was required, the NRAs took the lead in gathering the required permitting information. The NRA program was extremely successful and achieved the primary program goal of assisting field operations personnel with BMP compliance. It provided state and federal agency personnel with a single point of accountability for natural and cultural resource issues, collected data for the section 7 administrative record, reduced NRDA liability, and, most importantly, minimized impacts to the Gulf of Mexico shoreline during this historic response.



CLIENT

British Petroleum
(sub to Obrien's Response Management)

CONTACT

Duane Miller
404.702.7832

COST

$3,500,000 (Matrix Fee)

DURATION

June 2010 - Ongoing

KEY PERSONNEL

Dennis Petrocelli, PG
Lawrence Malizzi, PG
Alan Parson, Ph.D.
Erin Evertsen
Rejina Sharma
Donald Wendt, PG
Mark Sprengler

MATRIXNEWORLD

Rapid Response Environmental Site Support Team – Mississippi Canyon 252, Deepwater Horizon Spill, Gulf of Mexico

CLIENT

British Petroleum
(sub to Brown & Caldwell)

CONTACT

Brent Callihan
404.702.7832

COST

$500,000 (Matrix Fee)

DURATION

Ongoing

KEY PERSONNEL

Dennis Petrocelli, PG
Lawrence Malizzi, PG
Michael Dempsey

PURPOSE OF CONTRACT

The Deepwater Horizon Mississippi Canyon 252 (MC252) oil spill in the Gulf of Mexico was the largest release of crude oil in American waters. The historical release also saw an unprecedented number of response personnel dedicated to the stopping, containing, and cleaning up over 10 million gallons of crude oil spilled into the Gulf of Mexico. The cleanup operations exceeded 50,000 responders from over 1000 private companies including experts from nine oil companies, the United States Coast Guard, Navy, Departs of Energy and interior, Environmental Protection Agency, as well as the State Governments of Florida, Alabama, Mississippi, Louisiana and Texas, as well as local County and Parishes of the Gulf Coast.

Matrix New World Engineering, Inc. (Matrix) as a subcontractor to Brown & Caldwell) participated in the Rapid Response Environmental Site Support Team (RRESST) program. The RRESST program was developed to examine decontamination sites, staging areas for equipment and personnel, and waste staging areas for regulatory compliance. RRESST inspectors reported to the Unified Command on performance of the response contractors and their compliance with the Waste Management Plan, Liquid Management Plan, Spill Prevention, Control, and Countermeasure (SPCC) Plans developed by the Unified Command and best management practices (BMPs) throughout the Gulf Coast. RRESST inspected all areas of the response from Waste Management staging yards, beach cleanup operations, to barges on the barrier islands for compliance of BP's rigorous BMPs and Federal and State waste compliance rules and regulations. RRESST assisted the contractors with properly managing and the handling of hazardous and non-hazardous waste, bulk storage of petroleum, and maintenance and housekeeping operations.









Wildlife Capture Support – Mississippi Canyon 252, Deepwater Horizon Spill
Gulf of Mexico

CLIENT

British Petroleum
(sub to O'Brien's Response Management and Swift Worldwide Resources)

CONTACT

Duane Miller- O'Brien's
404.702.7832

Rachel Twining- Swift
713.328.4560

COST

$1,500,000 (Matrix Fee)

DURATION

June 2010 - September 2010

KEY PERSONNEL

Dennis Petrocelli, PG
Lawrence Malizzi, PG
Alan Parsons, Ph.D.
Erin Evertsen
Rejina Sharma

PURPOSE OF CONTRACT

The Mississippi Canyon 252 (MC252) Deepwater Horizon oil spill in the Gulf of Mexico was the largest release in American waters. The historical release also saw an unprecedented number of response personnel dedicated to stopping, containing, and cleaning up over 200 million gallons of crude oil spilled into the Gulf of Mexico. The cleanup operations exceeded 45,000 responders from over 100 private companies including experts from nine oil companies, the United States Coast Guard (USCG), Navy, Departs of Energy and Interior, Environmental Protection Agency, as well as the State Governments of Florida, Alabama, Mississippi, Louisiana and Texas, and local County and Parishes along the Gulf Coast.

Matrix was retained to assist in the capture and rescue of oiled wildlife, mainly migratory birds throughout Louisiana, Mississippi, Alabama, and Florida. Matrix's team of field biologists and ecologists worked closely with the United States Fish and Wildlife Service (USFWS), state agencies, USCG, National Oceanic and Atmospheric Administration (NOAA), and other federal and local agencies through the Incident Command Structure (ICS) to characterize spill impacts to natural resources, and to document affected areas and wildlife. The Matrix Team attended health, safety, and logistical meetings every morning, and were provided with their respective area of patrol. The Matrix Team worked on the shoreline, as well as in boats and responded to reports for capture and rescue of affected and injured wildlife, and carcass and evidence collection. The Matrix Team conducted surveys of natural resources, including nesting islands, marsh, and shoreline, to assess the damages as a result of oiling. Surveys of nesting islands were conducted to identify bird species and collect a count for oiled and affected young. The Matrix Team also assessed and reported locations where damaged boom systems and oil slicks were present, and reported to the USCG where additional boom systems were needed around nesting islands. Daily observations were collected and recorded using Trimble Nomad Geographic Information System (GIS) devices, and reported in real-time via radio dispatch to the ICS. Matrix biologists conducted over-flight surveys of nesting islands and assessed boom situations following inclement weather. Flight observations were recorded using Global Positioning System (GPS) cameras.



CROWDER GULF

Appendix C – Resumes

State of New Jersey

RFQ –Waterways Debris Removal Services

John Ramsay

President and Chief Executive Officer

Relevant Qualifications

- Serves as President and Chief Executive Officer.
- More than 40 years of management experience in various capacities, including response and recovery, U.S. Military, construction, lumber, and telecommunications.
- Telecommunications Project Director and Coordinator for complete cell site development (Turnkey, Greenfield locations and Rooftops) for T-Mobile, Pinnacle, DigiPH PCS, OPM-USA / American Towers, BellSouth, Alltel and Ericcson throughout the Southeast.
- Foremost Disaster Debris Contractor to promote recycling of ash as fertilizer for farmland and to export clean woody chips for biomass fuel after Hurricane Isabel.

Experience

CrowderGulf
President/CEO, 1990–present

Hurricane Irene (August 2011-October 2011)

- Successfully directed the implementation of 21 contracts with municipalities in North Carolina and four (4) municipalities in Virginia and executed four (4) contracts with the North Carolina Department of Transportation for the removal of debris on road ways in thirteen North Carolina Counties. These contracts involved work in two states simultaneously for debris removal, reduction by grinding and burning for vegetative and C & D debris.

Reference for Hurricane Irene
Jim Hill, Solid Waste Superintendent
James City County, Virginia
1201 Jolly Pond Road, Williamsburg, VA 23188
(757) 240-0205, jhill@james-city.va.us

BP Deepwater Horizon Oil Spill (Incident of National Significance (April 2010 –Jan. 2011)

- Chosen one of six contractors hired for BP onshore cleanup. CrowderGulf provided over 250,000 accident free man-hours employing over 1200 individuals utilizing 700 pieces of equipment. CrowderGulf was chosen as sole contractor in September 2010 to complete final phase of cleanup along the Alabama Beaches including two wildlife preserves. CrowderGulf worked with State and Federal regulatory agencies complying with all laws, rules and regulations designed to protect our environment and wildlife habitats.

Reference for BP Oil Spill
Mayor Jeff Collier
Town of Dauphin Island, AL
1011 Beinville Blvd, Dauphin Island, AL 35628
251-861-5525 jcollier@townofdauphinisland.org

- September 2010, CrowderGulf transitioned primarily to on-shore cleanup using hand crews and power screening. This operation included simultaneously managing five field offices in two counties. In five months, CrowderGulf screened the entire Alabama Coast from toe of dunes to two feet above the rack line. This involved over 160 pieces of heavy equipment and 500 employees specific to this project. CrowderGulf screened over seven billion (7,000,000,000) pounds of sand recovering over three (3) million pounds of hydrocarbon material.

Hurricane Ike (September, 2008–November, 2009)

- Directed the successful execution of thirty-eight contracts in Texas, which included four large counties and thirty-four cities. These contracts involved debris removal from public and private properties, demolition, levee and dike cleanup, removal of leaning trees and hanging limbs.
- Directed the successful execution of three debris contracts with the Texas General Land Office. These involved sonaring offshore and inland waterways for sunken debris, removing debris and cleaning sand on Galveston County beaches, and removing sunken debris and vessels in GLO waterways.

Reference for Hurricane Ike
Pat Doyle, Galveston County Commissioner
1353 FM 646, Ste 201, Dickinson, TX 77539
409-770-5333, 409-770-5336,
Patrick.Doyle@co.galveston.tx.us

- Directed the cleanup operation on Bolivar Peninsula that included ROW debris removal and levee cleanup & canal debris removal, private property debris removal and demolition. Debris reduction by grinding and burning. Removal of dead trees killed by the salt water surge and leaners and hangers from ROW and ROE. Debris removal from 25 miles of protection levee and five miles from ship channel protection dike. Debris removal from eligible parks, cemeteries and schools. Removal and degassing, crushing and of white good and abandoned vehicles and tires.
- Provided guidance and input, based on years of experience, to Galveston County officials in how to most efficiently and effectively complete the various projects in Galveston County, including Bolivar Peninsula.

Louisiana Department of Wildlife and Fisheries (LDWF)(2007-2008)

- Directed the overall project to remove sunken debris from LA waterways
- Provided guidance to officials on how to most efficiently and effectively conduct operation
- This $3.7 million project was part of the $53 million National Oceanic and Atmospheric Administration (NOAA) fisheries recovery funding to rehabilitate oyster bed and shrimp grounds, and monitor recovery of Gulf of Mexico fisheries.
- The project consisted of clearing 400 square miles of coastal water bottoms impacted by Hurricanes Katrina and Rita. Besides removing debris, CrowderGulf provided thumbnail sonar images of each contact along with descriptions and coordinates of each item removed by grid.

Reference for LA Wildlife & Fisheries
Leo Richardson
LAGOHSEP (225) 439-5578

Ice Storms (2006)

- Directed the overall field operation of initially organizing and managing the subcontractors for contract in Erie County, NY.
- Provided onsite guidance and training to local New York company in how to set up and most efficiently run a debris removal operation.
- Provided subcontractors experienced with disaster debris work, assisted in training the local company's resources, as well as other local subcontractors.

Reference for New York Ice Storms
Jodi Osinski, UCC Constructors, Inc.
105 Center Rd, West Seneca, NY 14224,
716-822-5755, 716-822-8429,

Hurricanes Dennis, Katrina, Rita, Wilma (2005)

- Directed the overall operation for the forty contracts that were successfully completed as a result of the 2005 Hurricanes. These contracts were in Alabama, Florida, Louisiana and Mississippi. They included ten counties and 15 cities in Florida, two counties and five cities in Alabama, and one city in Mississippi.
- All of these contracts were being completed during the same time frame and required a vast amount of coordination and communication with the clients as well as with all CrowderGulf project managers.
- Teamed with small local marine business to remove and dispose of wet debris from 75 miles of coastline out to 1/2 mile from shores in Jackson, Harrison and Hancock Counties, Mississippi.
- Directed operation to remove and dispose of debris from waterways located in Lee and Collier Counties, FL.
- Onsite to assist Fort Lauderdale, FL, with initial clearing of streets. Directed the management of ROW debris removal and disposal that included three Debris Management Sites for reduction of debris by chipping. Completed sand reclamation on all City beach areas. Removed, transported and disposed of leaning/hanging trees, and wet debris from canals.

Reference for Hurricane Wilma
Greg Slagle, Public Works Department
City of Fort Lauderdale, FL
100 N. Andrews Ave, Ft. Lauderdale, FL 33301
954-828-5341, GSlagle@fortlauderdale.gov

Hurricanes Charley, Frances, Jeanne, Ivan (2004)

- Directed the overall operation for the thirty-one contracts that were successfully completed as a result of the 2004 Hurricanes. These contracts were in Florida, Alabama, and Mississippi. They included ten counties and 15 cities in Florida, two counties and five cities in Alabama, and one city in Mississippi.
- All of these contracts were being completed during the same time frame and required a vast amount of coordination and communication with the clients as well as with all CrowderGulf project managers.
- Cumulative square miles of just the ten counties in Florida that CrowderGulf worked in included more than 13,000 square miles. Adding all of the cities and the counties in AL, the total square miles that CrowderGulf worked in was more than twice the size of the state of New Jersey.

Reference for Hurricane Charley
Lindsey Sampson, Solid Waste Director
Lee County, FL
10550 Buckingham Rd, Ft. Myers, FL 33905
239-338-3302 sampsolj@leegov.com

(Additional disaster debris experience available through 1969 upon request.)

Gulf Equipment Corporation, Theodore, AL 36582
Vice President/Project Manager, 1984–present

- Telecommunications Project Director and Coordinator for complete cell site development (Turnkey, Greenfield locations and Rooftops) for T-Mobile, Pinnacle, DigiPH PCS, OPM-USA / American Towers, BellSouth, Alltel and Ericcson throughout the Southeast.
- Supplied and managed warehouse for Powertel, Black & Veatch, DigiPH PCS and Hargray Wireless in Georgia, Alabama, South Carolina, Florida, and Kentucky.

Matthews Marine and Gulf Equipment Ventures, LLC, Pass Christian, MS
Managing Partner, 2006–present

- Director of Marine Projects including open water and inland waterways; wetlands, drainage canals and ditches.

Delta Exports, Inc., Theodore, AL
President, 1988–1990

- Exported vessel loads of logs and lumber to Turkey and China; and other forest products exported in containers to Europe.
- Bought and sold land timber and wood chips for domestic markets.
- Performed extensive studies on the feasibility of exporting pine and hardwood chips from the Gulf of Mexico to Japan.
- Exported biomass to Italy.

Ernest Manning Construction Company, Pascagoula, MS
President, Part Owner, 1981–1987

- Director of hazardous wastes for superfund clean-up projects in Texas and southeastern states and refinery maintenance for Chevron USA, Pascagoula, Mississippi. Coordinator of trucking of material and site work.
- Director of Emergency Recovery Work after natural disasters. Projects completed included:
    - Hurricane Alicia, 1983
    - City of Houston, Texas
    - Hurricane Fredric, 1979
    - Corps of Engineers, Mobile District Alabama
    - Hurricane Camille, 1969
    - Mississippi and Alabama, Agricultural Stabilization and Conservation Service

RLT Construction Company, Mobile, AL
President, 1979–1985

- Heavy construction, including construction with Tombigbee Waterway and Joe Poole Lake Dam in Dallas, Texas.

Ramsay Farm, Grand Bay, AL 36541
Independent Farmer, 1963–1985

- Farmed 20,000 acres of soybeans and ran 15,000 head of cattle on winter grazing.
- Partner in Deep South Auction Company.
- Business consisted of auctioning land, cattle and equipment (Established business while in college).

U.S. Military
Air Force Reserves, 1963–1967

- Served as Crew Chief (Master Sergeant) on cargo planes.

Education

B.S., Agriculture, Auburn University, 1963

John Campbell

Regional Director/Senior Project Manager

Areas of Expertise

DEBRIS MANAGEMENT; DISASTER RESPONSE; DISASTER RECOVERY; COMMAND AND CONTROL; JOINT FIELD OFFICE (JFO) OPERATIONS; EMERGENCY PLANNING/MANAGEMENT; EMERGENCY OPERATIONS; LOGISTICS; GEOGRAPHIC INFORMATION SYSTEMS (GIS); PROJECT MANAGEMENT

Relevant Qualifications

- 40+ years of experience in disaster response planning and management, including 30 years of honorable service as a retired Army Colonel.
- 6 years experience coordinating response and recovery operations on a variety of disasters as the Chief of Operations for Lee County Emergency Management in Fort Myers, FL.
- Managed over 3000 personnel in relation to logistical and planning Command and staff operations.
- **Coordinated recovery activities in the Emergency Operations Center** during numerous actual occurrences and managed the development, coordination, preparation, and maintenance of County level Emergency Operations Plan.
- Direct experience in debris recovery operations from Hurricane Iniki in Hawaii and Hurricanes, Charley and Wilma that impacted Southwest Florida and Senior Project Manager for 19 Contracts in North Carolina following Hurricane Irene in 2011 and over one year in the Texas Gulf Coast Area following Hurricane Ike in 2008-2009.
- Extensive background in high-level management, disaster response and training. Principle Trainer in debris management, Incident Command System (ICS) and National Incident Management System (NIMS).

Experience

CrowderGulf
Emergency Management and Training Specialist — May 2006–Present

Hurricane Isaac (August 2012)
Served as the Project Manager for all four activations due to Hurricane Isaac in Mississippi

Hurricane Isaac Reference
Phillip Russell, PW Director
City of McComb, MS
122 E. Michigan Ave, McComb, MS 39648
601-684-3497, prussell@mccomb-ms.gov

Hurricane Irene (August 2011 – October 2011)
Served as the Senior Project Manager for all 21 activations due to Hurricane Irene in North Carolina

Hurricane Irene Reference
Edward Lee Mann, PW Director
Dare County, NC
1018 Driftwood Dr, Manteo, NC 27954
252- 475-5880 Edwardlee@darenc.com

Hurricane Ike (September 2008–November 2009)
This contract called for the management, surveying, collection, reduction, and disposal of debris in the aftermath of Hurricane Ike in 2008.

- Senior Project Manager for Hurricane Ike in Texas for Galveston County debris recovery work including all of Bolivar Peninsula.
- Project Manager for Wildlife and Fisheries contract for waterway cleanup in Texas cities
- Project Manager for Texas General Land Office (GLO) Contract for Beach Restoration on Bolivar and other Galveston County Beaches
- Managed Debris operations during the recovery from the storm
- Performed duties as senior quality control and safety coordinator for debris operations
- Served as a trainer for company field supervisor, counties personnel and subcontractors

Hurricane Ike Reference
John Lee, Jr., Mitigation Coordinator
Galveston County, TX
1353 FM 646, Ste 201, Dickinson, TX 77539
281-309-5035

Internal Training for Crowder Gulf

- Debris Management Operations Trainer for CrowderGulf clients in Florida, North Carolina, South Carolina and Virginia
- Served as a consultant on Debris Management Plan development for CrowderGulf clients in Florida, South Carolina and Maryland in 2006 through 2009

Lee County, Florida Emergency Management, Fort Myers, FL
Chief of Operations 2001–2006
Chief of Planning 2000–2001

- Responsible for daily operations of the Emergency Operations Center and multi-agency emergency coordination in response to storms, fires, hazardous materials releases and police emergencies.
- Some major activities during period include the response to Tropical Storm Gabrielle 2001, Natural Gas pipeline rupture 2003, Hurricane Charley 2004 (Landfall in Lee County), Hurricane Ivan 2004, Hurricane Katrina 2005, Hurricane Wilma 2005
- Responsible for the County Emergency Management Plan (CEMP), the public outreach program for Emergency Management and preparation of the daily Incident Action Plan during emergency activations of the Emergency Operations Center.
- Major activities during this period included County Brush Fires in 2000, the Spring Floods of 2001, and the County Response to Terrorist Threat from 9-11 attack

United State Army (Colonel, Retired) 1968 – 1998

Served in multiple command and staff positions through the grade of Colonel

Education

M.S., Logistics Operations Management, Florida Institute of Technology, 1982
B.A., Political Science, University of Southern Mississippi, 1968
Command and General Staff College, Fort Leavenworth, Kansas, 1981
National Defense University, Industrial College of the Armed Forces, Washington, D.C. 1989

Certification and Training

Introduction to the Incident Command System, IS 100
Basic Incident Command System, IS 195
Principles of Emergency Management, IS 230
Introduction to Debris Operation and FEMA Public Assistance Program, IS 632
National Incident Management System, IS 700
National Response Plan, IS 800
Exercise Design, G-120
Rapid Assessment Planning, G-250.7
EOC Management and Operations, G-275
Disaster Response and Recovery Operation, G-385
Rapid Response Team Orientation, G-635
Leadership and Influence, IS-240
Decision Making and Problem Solving, IS-241
Effective Communications, IS-242
Introduction to the Public Assistance Process, IS-630
Certificate of Achievement Completion of Professional Development Series, Emergency Management Institute, 2003
Community Mass Care, G-108
ICS/EOC Interface, G-191
Intermediate ICS, G-195
Advanced ICS, G-196
Principles of Emergency Management, G-230
Resource Management, G-276

** John Campbell also taught many of the above courses to Emergency Management personnel throughout the State of Florida. He is accredited as a Professional Emergency Manager in the State of Florida through Florida Emergency Preparedness Association.*

Professional Affiliations

Florida Emergency Preparedness Association (FEPA) (2000 to present)
American Public Works Association, Florida Chapter (2011 to present)

Raymond "Buddy" Young

Director of Debris Operations

Areas of Expertise

DISASTER RESPONSE; DISASTER RECOVERY; COMMAND AND CONTROL; EMERGENCY PLANNING/MANAGEMENT; EMERGENCY OPERATIONS; LOGISTICS; GEOGRAPHIC INFORMATION SYSTEMS (GIS)

Professional Overview

Buddy Young is one of the most knowledgeable people working in the debris management business with firsthand experience in managing major disasters. He served as Regional Director of FEMA Region VI from 1993 – 2001. While in that position, under FEMA Director James Lee Witt, he was Chief Administrator for 133 federally declared disasters and emergencies. He is nationally known and well-respected in the Emergency Management community.

As the Director of Debris Operations for CrowderGulf, he has provided management and technical assistance to local and county governments after all major hurricane disasters in the Southeast since 2003. He has served as Senior Project Manager in the field after all major hurricanes since joining CrowderGulf. He has managed all types of debris removal, reduction and disposal operations and special projects such as demolition and marine debris removal. His expertise in emergency management, and especially disaster debris removal, is utilized to provide preparedness training and advise CrowderGulf pre-event clients throughout the year.

He has also worked with the Texas A&M Engineering Extension Program as an adjunct instructor to conduct full-scale exercises with local and state agencies in response to incidents of terrorism and natural disasters. He is a current member of the Board of Directors for Disaster Recovery Contractors Association (DRCA) and he is NIMS certified.

Qualifications

- Director of CrowderGulf Debris Operations since 2003
- Managed debris removal contracts for multiple storms since 2003
- FEMA Advisor to CrowderGulf clients since 2003
- Debris Management Operations Planner and Trainer for CrowderGulf clients from 2004 to present
- Advisor on preparing Debris Management Plans for CrowderGulf clients in Florida, Maryland, Texas, Virginia, North Carolina and South Carolina
- Trainer and Advisor for CrowderGulf personnel and subcontractors, on FEMA matters and overall Debris Operation Procedures

Disaster Debris Management Experience and Responsibilities

CrowderGulf, LLC

Hurricane Irene (August 2011-October 2011)

- Senior Project Manager and FEMA Advisor for debris operations for multiple clients in the State of Virginia.

Hurricane Ike (September 2008–2010)

- Technical Advisor on FEMA issues for multiple Texas counties and municipalities after the Hurricane Ike made landfall in 2008.
- Project Manager for 2008 Hurricane Ike debris removal contracts with cities within Galveston and Brazoria counties.
- Project Manager for Marine Debris Project with Texas General Land Office (GLO) for removal and disposal of sunken debris and abandoned boats in the GLO waters of Galveston County.

Hurricane Rita (2005-2006)

- Project Manager and FEMA Advisor for debris management operations in Calcasieu Parish and all cities within Parish in response to Hurricane Rita.

Reference for Hurricane Irene
Jim Hill, Solid Waste Superintendent
James City County, Virginia
1201 Jolly Pond Road, Williamsburg, VA 23188
(757) 240-0205, jhill@james-city.va.us

Reference for Hurricane Ike
Terry Byrd, EMC Fire Marshall
City of Friendswood, Texas
910 S. Friendswood Drive, Friendswood, TX 77546
(281) 996-3335, tbyrd@ci.friendswood.tx.us

Reference for Hurricane Rita
Mister Edwards, Director of Public Works
City of Lake Charles, Louisiana
326 Pujo Street, Lake Charles, LA 70601
(337) 491-1308, medwards@mail.city-lakecharles.org

Hurricanes Charley, Frances, Jeanne, and Ivan (2004-2005)

- Served as the Project Manager and FEMA Advisor for the debris management operations in Polk County from September 2003-March 2005.
- Supervised the mobilization of men and equipment in response to Hurricanes Charley, Frances, Jeanne, and Ivan in 2004.
- Served as the Technical Consultant and FEMA Advisor for 38 contracts within Florida and Alabama.

Reference for Hurricane Charley
Lance Davis, Roadway Maintenance Superintendent
Polk County, Florida
P.O. Box 9055, Drawer T503, Bartow, FL 33831
(863) 535-2222, lancedavid@polk-county.net

Additional Experience and Skills

Texas A&M Engineering Extension Program, College Station, Texas Adjunct Instructor, 2001 - Present

- Participated as an evaluator for a program that provides terrorism response training to include all types of incidents for local and state governments. Location: College Station, Texas.
- Provided instruction for full-scale evacuation exercises with local and state agencies in response to incidents of terrorism and natural disasters, to include McAllen, Texarkana and Houston, Texas.

FEMA, Region VI Regional Director, 1993–2001

- Completed a comprehensive re-organization and streamlined operations at Region VI, which is now considered the most efficient FEMA Region in the Nation.
- Established Federal/State partnerships with each state within Region VI.
- Responsible for administration of all FEMA programs in Region VI.
- Provided management and guidance for all Federally declared disasters during tenure.
- Served as the on-site Senior FEMA Administrator after Oklahoma City Bombing and for the response to various hurricanes, tornados, flooding and wild fires.

Arkansas State Police, Little Rock, Arkansas Director of Security for State, 1983–1993

- Supervised a unit of eleven Arkansas State Troopers.
- Provided security of Governor Bill Clinton and coordinated all of his travel arrangements.
- Organized and implemented security operations for the fall meeting of the National Governors Association in November 1986.
- Involved in providing 24 hour security for a four day period for 30 Governors from throughout the United States.

Certifications and Training

- National Incident Management System, IS-100, 200, 700, 800
- Principles of Emergency Management, IS-230
- Leadership and Influence, IS-240
- Decision Making and Problem Solving, IS-241
- Effective Communications, IS-242
- Introduction to the Public Assistance Process, IS-630
- Introduction to Debris Operation and FEMA Public Assistance Program, IS-632
- EOC Management and Operations, G-275
- Disaster Response and Recovery Operation, G-385
- Rapid Response Team Orientation, G-635

Training Provided

From 2004-2012, provided yearly training for city and county municipalities that have CrowderGulf pre-event debris management contracts in place. Yearly debris management training sessions include municipalities in Florida, North Carolina, South Carolina, Virginia, and Texas. A detailed list of sessions can be provided upon request.

Education

Graduate of Keeler Polygraph Institute, Chicago, IL, 1976
Graduate of National FBI Academy, Quantico, VA, 1972
Graduate of Arkansas State Police Academy, Camden, AR, 1968
Approximately 100 hours of Coursework in Criminal Justice at the following:

- Certificate of Public Administration, University of Arkansas, Little Rock, AR, 1976
- Arkansas State University, Jonesboro, AR, 1973
- University of Virginia, Richmond, VA, 1972
- Arkansas Tech, Russellville, AR, 1962-1963
- University of Arkansas, Fayetteville, AR, 1968

Margaret Wright, PhD

Senior Program and Documentation Manager

Areas of Expertise

DISASTER RESPONSE DEBRIS OPERATIONS; TRAINING; EMERGENCY PLANNING/MANAGEMENT; DOCUMENTATION SPECIALIST; PROGRAM RESEARCH AND EVALUATION, TECHNICAL PROPOSAL WRITING

Relevant Qualifications

- Sixteen years of experience in disaster recovery and disaster training projects.
- Designed and developed debris management training for CrowderGulf customers with pre-event contracts (2004-2012).
- Developed, coordinated and/or conducted training sessions for clients in Florida, Texas, North Carolina, South Carolina, Maryland, Virginia, and Louisiana (2004-2012).
- Designed and developed CrowderGulf Project Managers' Training Manual in 2004 and updated yearly.
- Coordinated the set up and staff hiring and training for Debris Management Field Offices in five states (2004-2008).
- Managed documentation flow for CrowderGulf's disaster debris projects (2004-2012).
- Conducted evaluation research after project completion (2004-2012).
- Managed all documentation for and coordination of all Change Orders for two contracts with the Texas General Land Office (GLO), Sand and Beach Contract (2009); Marine Debris Contract (2009-2010).
- Assisted various clients with followup documentation for FEMA audits (2006-2012
- Managed the technical proposal writing team for all pre-event Request for Proposals (2009-2012)

Disaster Debris Management Experience

CrowderGulf
Program Coordinator/Project Supervisor 2003–Present

Fort Lauderdale FEMA Audit (2010-2012)

- Technical Assistance with FEMA Audit for 2004-2005

Reference for Hurricane Irene
Albert Carbon, Public Works Director
City of Fort Lauderdale, FL
220 SW 14th Ave #4a
Fort Lauderdale, FL 33312
(954) 828-5341, ACarbon@fortladerdale.gov

Hurricane Irene (August 2011-October 2011)

- Managed the overall documentation and reconciliation process for 21 contracts in North Carolina, four (4) municipalities in Virginia, four (4) contracts with the North Carolina Department of Transportation for the removal of debris on road ways in thirteen North Carolina Counties. These contracts involved working with all municipalities as well as several monitoring companies representing various municipalities.

Hurricane Ike (2008-2009)

Served as the Field Office Operations Manager and Coordinator for Debris Contracts in Texas, including four counties, 21 cities, and the Texas General Land Office (GLO)

Reference for Hurricane Ike
Connie Nicholson, Community Services Director
1353 FM 646 Suite 302, Dickinson, TX 77539,
409-682-3139, connie.nicholson@co.galveston.tx.us

- Set up and trained personnel for three onsite offices in Texas after Hurricane Ike for debris management contracts in three counties and 21 cities.
- Managed documentation and data management in the field throughout entire operation to ensure FEMA compliance.
- Managed the coordination and communication between field offices and CrowderGulf's Disaster Assistance Office (Home Office).
- Communicated with monitoring company representatives on documentation issues to ensure FEMA compliance.
- Assisted customers with documentation to ensure FEMA compliance.
- Coordinated with GLO managers and managed all of the documentation, and the reconciling and invoicing for three contracts with GLO (sand debris, marine debris, and sonar contracts).

Hurricane Rita, Calcasieu Parish, LA (2005)

Served as the Field Office Operations Manager for a large debris project in Calcasieu Parish, LA during the 2005 Hurricane season.

- Set up and managed field office, including hiring and training 15 office personnel.
- Coordinated with USACE and Ceres Environmental, throughout Project, to ensure communication and compliance with all Corps documentation necessary for ROW work, PPDR and Demolition projects, White Goods, Chips and Ash Disposal, Safety Inspections, Quality Control Daily Reports.
- Coordinated and managed the documentation, reconciliation and invoicing for the 5 million CY, $91,000,000 debris project..

Hurricane Charley Debris Projects (2004)

- Trained and managed all office personnel for data entry and management for Polk and Hardee Counties.
- Managed all documentation, reconciling, invoicing for Polk and Hardee County project.
- Managed daily office operations, coordination and communication with field supervisors and Polk County personnel.
- Managed the reconciling invoicing for all projects after 2004 hurricanes.

Reference for Hurricane Charley
Lance Davis, Roadway Maintenance Superintendent
Polk County, Florida
P.O. Box 9055, Drawer T503, Bartow, FL 33831
(863) 535-2222, lancedavid@polk-county.net

Hurricane Isabel Debris Projects (2003)

- Managed the reconciling and participated in the invoicing for over 20 clients.
- Keep documentation for mulch shipped to Italy as part of recycling effort

Reference for Hurricane Isabel
Laurie Halperin, Recycling Coordinator
145 Goodwin Neck Rd, Yorktown, VA 23692, 757-890-3522, halperil@yorkcounty.gov

Additional Experience and Skills

Intelligent Designs Systems Incorporated, - Program Evaluator, August 2000–November 2003

- Served as the Program Evaluator for Navy Schoolhouses curriculum with the main focus on offering improvements in human and organizational performance with the integration of technology.
- Conducted program evaluations for numerous Navy Curriculums including Basic Officers' Training, Surface Warfare Officer Training, Explosive Ordnance Disposal, and at least six other Schoolhouses as a Program Evaluation team member.
- Participated in project that designed courseware for Chemical, Biological, Radiological, and Nuclear Warfare Course for Navy Hospitals.

University of South Alabama, Mobile, AL - Instructor, Special Education Department

- Taught undergraduate and graduate courses.
- Program Advisor for all undergraduate students on Special Education Department.
- Interagency Coordinator for College Prep Program for high school seniors with Learning Disabilities.

Mobile County Public School System

- Consulting Teacher 1989- 19
  - Developed and coordinated Transition Work Program in 16 high schools for students with disabilities.
- Teacher of students with disabilities 1972-1989

Education

- National Incident Management System (NIMS) certified
- Ph.D., Instructional Design and Development, University of South Alabama, 1998
- Masters in Mental Retardation, University of South Alabama, 1977
- Bachelor of Science, Elementary Education, Auburn University, 1967

Training Provided

Designed, developed and conducted debris management training for municipalities in Florida, North Carolina, South Carolina, Virginia, and Texas, from 2004-2009. CrowderGulf offers yearly training for City and County municipalities that have CrowderGulf pre-event debris management contracts in place. A detailed list of sessions can be provided upon request.

Ashley Ramsay–Naile

Vice President and Chief Operating Officer

Areas of Expertise

DISASTER RESPONSE DEBRIS OPERATIONS; EMERGENCY PLANNING/MANAGEMENT; STRATEGIC PLANNING AND NEGOTIATIONS

Relevant Qualifications

- Eight years of experience in disaster recovery and management.
- Strategic planning.
- Procurement and negotiation tactical planning.
- Managed accounts receivable and accounts payable flow for CrowderGulf's disaster debris projects.

Disaster Debris Management Experience

CrowderGulf *2011-Present*

Vice President and Chief Financial Officer

- Supervise all administrative functions and personnel.
- Manage documentation and records for disaster operations.
- Purchasing Manager.
- Responsible for the management of accounts receivable and accounts payable.
- Coordinate strategic planning of the company.

Disaster Recovery Project Manager & General Manager *2004-2011*

- Disaster administration office general management.
- Accounts receivable/payable oversight.
- Procurement development and implementation.
- Managed and directed field level disaster debris removal and reduction operations including site management and the supervision of subcontractors and foremen.

BP Oil Spill (2010-2012)
- Baldwin County, FL
- City of Gulf Shores, AL
- City of Orange Beach, AL

Reference for BP Oil Spill
Phillip West
City of Orange Beach
4409 Orange Beach Blvd., Orange Beach, AL 36561
251-981-6788 pwest@cityoforangebeach.com

Hurricane Charley Debris Projects (2004)
- Volusia County, FL
- City of Palm Coast, FL
- City of Edgewater, FL

Reference for Hurricane Charley
George Recktenwald, Public Works Director
Volusia County, FL
123 W Indiana Ave, Deland, FL 32720,
386-736-5965Ext.2207 grecktenwald@co.volusia.fl.us

Hurricane Fran Debris Project (1996)
- City of Wilson, NC

Hurricane Erin Debris Project (1995)
- City of Pensacola, FL

Hurricane Opal Debris Projects (1995)
- Panama City, FL
- Bay County, FL

Additional Experience and Skills

Hargray Wireless - Hilton Head Island, SC

Property and Construction Manager *1999–2004*

- Cell Site Development from site identification to zoning.
- Negotiated lease rates and terms.
- Coordinated with radio frequency engineer.
- Coordinated site design with civil engineers.
- Procurement of site material.
- Supervised general contractor.
- Maintained 100+ existing cell sites.
- Maintained compliance with government agencies.
- Coordinated with accounting on department budget.
- Worked within budget guidelines.
- Managed 25 company-owned towers.

Independent Telecommunications Consultant *1997–1999*

- Procurement of site material.
- Tracking of material for accounting purposes.
- Warehousing and issuing of materials for construction.

Gulf Equipment Corporation – Theodore, AL

Project Coordinator & Manager Telecommunication Projects *1994–1997*

Managed turnkey cell site projects for Telecommunication construction projects:
Sprint, GTE, Nortel, Powertel, BellSouth Mobility, DiGiPH PCS, Hargray Wireless.

- Material procurement.
- Civil Construction and tower crew coordination.
- Organization of projects for bidding purposes.
- Warehousing coordination of deliveries and shipments.
- Office manager responsible for accounting and invoicing.
- On site manager and crew foreman.
- Liaison between Gulf Equipment and elected officials.
- Public relations between City officials and area residents.

Education

- Bachelor of Science, Special Education — University of South Alabama, Mobile, AL

Leadership

- Governor appointed Alabama State Workforce Investment Board.
- Board member of Family Business Instituted at the University of South Carolina.

Gary Evans Jones

Technical Assistant Manager and FEMA Specialist

Experience

CrowderGulf Technical Assistance Manager and FEMA Specialist **2012-Present**

Federal Emergency Management Agency – Region 6
Deputy Regional Director **1994-December 31, 2011**
Served as Deputy Regional Director for 17 years of the 28 years with FEMA Region 6. During those 17 years as Deputy, also served as Acting Regional Director for 4 of those 17 years. Responsible for administration of emergency management programs in the FEMA Region 6 states of Arkansas, Louisiana, New Mexico, Oklahoma, and Texas. Also, responsible for oversight and implementation of response and recovery operations for presidentially declared disasters in the five-state region.

Federal Emergency Management Agency – Region 6
Technological Hazards Branch Chief **1983-1994**
Joined FEMA Region 6 in 1983 and served as a Branch Chief managing several Technological Hazards Branch programs to include Radiological Emergency Management Preparedness, Radiological Defense, Hazardous Materials, Earthquake Preparedness, Hurricane Preparedness, Dam Safety and the Chemical Stockpile Emergency Preparedness programs.

US Public Health Service Physician Recruitment Coordinator **1977-1983**
Responsible for recruiting doctors, dentists and nurse practitioners for rural communities in Arkansas that were federally designated as medically underserved.

Director, Arkansas Emergency Medical Services Program
Arkansas Department of Health **1974-1977**
Responsible for administration and implementation of state-wide regulations for Ambulance Services and training certification of EMTs and Paramedics.

Other Leadership Roles

Served as designated **Federal Coordinating Officer** for **Hurricane Katrina, Rita and Georges**. Provided executive leadership to over 300 federally declared disasters including **Hurricane Andrew, Oklahoma City bombing, Columbia Space Shuttle and Tropical Storm Allison.**

Education

Master's Degree in Public Health Administration — Tulane University
Bachelor's Degree in Education — University of Arkansas

References

James Lee Witt
Chairman of the Board
Witt and Obrien Associates
571-233-3135

Nim Kidd
State of Texas Emergency Management Director
Department of Public Safety
512-424-2443

Leigh Anne Ryals

Project Manager

Areas of Expertise

DISASTER PREPAREDNESS, RESPONSE AND RECOVERY OPERATIONS; EMERGENCY MANAGEMENT AND FEMA PROGRAMS AND POLICY, PROPOSAL DEVELOPMENT, CONTRACTS MANAGEMENT; LOGISTICS; SCHEDULING; PRESENTATIONS; CLIENT TRAINING

Qualifications

- Project Manager CrowderGulf Debris Operations since 2011
- Certified Local Emergency Manager (CLEM - State of Alabama)
- Advanced Level Certification in Emergency Management (ALEM)
- NIMS 300 and 400 Level Instructor

Disaster Debris Management Experience and Responsibilities

CrowderGulf, LLC

Project Manager and Emergency Management Specialist **August 2011- Present**

Project Manager and company representative for pre-event clients. Provide daily support for the Disaster Assistance Office in the form of accounts management. Performed technical writing and review of proposals for pre-event contracts. Assisted the company by attending pre-bid meetings participation in marketing presentations to perspective clients. Provided assistance to client on FEMA Public Assistance Program policy. Provided support to Senior Project Manager and served as government liaison to North Carolina clients during Hurricane Irene - 2011.

Reference - Hurricane Irene
City of Wilson, NC
Deborah Boyette, Assistant Director/Public Services Admin.
(252) 399-2464
dboyette@wilsonnc.org

Hurricane Irene **August 2011-October 2011**

- Emergency Management Specialist and Government Liaison to 6 Counties in NC .
  Provided information and assistance resolving debris related issues as it relates to FEMA 325 guidelines, Disaster Specific Policies and the Robert T. Stafford Disaster Relief Act. Assisted clients in compiling documentation for eligible reimbursement activities, provided debris management training and updates on policy changes. Worked with clients to Conduct After Action Follow up meetings with staff regarding disaster specific policies and protocols.

Additional Experience and Skills

Baldwin County Emergency Management Agency Director June 2000 - November 2010

- Community Emergency Response Trainer (CERT).
- National Incident Management Systems, 300/400 Level Instructor.
- National Incident Management Systems (NIMS) Coordinator and Point of Contact, Baldwin County, Alabama.
- Homeland Security Point of Contact, Baldwin County (2001-2010).
- Member of the Hurricane Liaison Team, FEMA.
- Southern Legislator's Regional Task Force for Hurricane Preparedness and Recovery, Appointment by Governor Bob Riley.
- Alabama Association of Emergency Manager's Legislative Vice Chairman.
- Baldwin County's Emergency Management Director and Incident Commander for 7 Presidential Disaster Declarations (Hurricane Isadore, Ivan, Dennis, Katrina, Ida, Ike and Gustav).
- Served as Disaster Public Information officer for Hurricanes Danny and Georges. Served as Project Coordinator for the Baldwin County Highway Department for Hurricanes Erin and Opal.
- Deepwater Horizon Oil Rig Incident of National Significance: Served as Incident Commander for Baldwin County Commission and 14 Municipal Jurisdictions, Responsible for coordinating $15 million dollars in BP Emergency Protective Grants.
- Served as the Baldwin County Representative on the Governor appointed Alabama Coastal Recovery Commission – Infrastructure Advisory Committee.
- Testified before the 111th and 110th U.S. Congress on Hurricane Katrina Preparedness and Response Initiatives.
- Developed and administered the agency's fiscal year budget from $800,000 to $1.5 million annually.

Reference
Honarable Charles F. "Skip" Gruber
Office of County Commissionerr, District No. 4
Baldwin County Administration Building
312 Courthouse Square, Suite 12
Bay Minette, Alabana 36507
(251) 943-5061

- Successfully administered the Hazard Mitigation Grant and received over $10 million dollars in Hazard Mitigation Grant Funding for grants that were developed and administered through the agency.
- Developed strategies and initiatives for the implementation of the Emergency Management Program grant. (EMPG).
- Developed the Baldwin County Debris Management Plan meeting FEMA requirements for the Pilot project.
- Responsible for writing and updating the following County Plans: Strategic National Stockpile, Mitigation, Emergency Operations (EOP), Continuity of Government, Hurricane and Sheltering.
- Administered the Department of Homeland Security Grant Program to Baldwin County and its 14 municipalities.
- Received the following two awards for the planning and development of a multi-jurisdictional exercise involving over 200 participants:
  - Excellence in County Government Award for the Prevention in School Violence
  - Innovative County Government Award
- Technical Writer

Emergency Management Director *2000-November 2010*

Responsible for Planning, Preparedness, Response, Recovery and Mitigation Activities for Baldwin County and 14 Municipal Jurisdictions. Daily activities include but are not limited to collaborating with State, Federal and Local Agencies, writing and implementing emergency plans and procedures, writing and administering grants. Responsible for managing staff, developing and maintaining office budget, maintain inventory of warehouse and response equipment, coordinate and host public outreach activities, develop brochures and other educational materials. Coordinate and host training for the agency and municipal jurisdictions. Conduct exercises for emergency responders. Provide points of distribution Sites and coordinate the distribution of emergency commodities following disasters. Coordinate Emergency Evacuations. Provided over-site for shelter management. Lecture individuals in emergency management plans and procedures. Provided 24 hour on-call emergency response service.

Disaster Public Information Officer and Administrative Assistant to the County Engineer *1994-2000*

Provided Disaster Information services to the Emergency Management Agency by conducting press conferences, writing press releases, developing brochures and other educational materials for distribution during Disaster and non disaster times. Perform guest speaking engagements on behalf of the agency. Provided administrative services to the Engineering Department which included tracking projects, administering the public assistance program to account for loss and expenditures following disasters.

Regional Marketing Director and Account Manager for VideoCart, Inc. *1992-1993*

Responsible for Marketing and advertising of electronic couponing in Alabama, Mississippi, Louisiana and Florida Delchamp's grocery stores. Responsible for add layout, working with production and technical team. Compiled customer and couponing data, computed sales figures and presented to corporate on a monthly basis. Responsible for traveling to each store to promote the service and provide customer relations support for the corporate office.

Training Provided

Provides yearly training for City and County Government employees that have CrowderGulf pre-event debris management contracts in place. A detailed list of sessions can be provided upon request.

Certifications and Training

- USACE Construction Quality Management
- National Incident Management System, IS-100, 200, 700, 800
- National Incident Management System 300 &400 Instructor
- Advanced Level Certification/Emergency Management (ALEM)
- Certified/Licensed Emergency Manager (CLEM)
- CPR & Blood Pathogens

Education

- Bachelor of Arts and Science Degree - Radford University, Radford, Virginia *1991*

Wesley Brian Smallwood

Project Manager

Areas of Expertise

DISASTER RESPONSE; DISASTER RECOVERY; CONTRACTS; ESTIMATING; SUBCONTRACTOR MANAGEMENT & COORDINATION; LOGISTICS; SCHEDULING; PRESENTATIONS; CLIENT TRAINING

Professional Overview

Brian worked as a Project manager in Atlanta, GA for one of the largest general contracting firms in the world. There he built a strong management foundation and obtained the necessary fundamentals to plan and coordinate with owners, engineers and government officials. Brian has the ability to estimate, propose, contract, coordinate, schedule, manage, budget, document and close-out a project from start to finish. These have proved helpful in the disaster recovery field as shown in the successful performance for the USACE in Joplin, MO and for the State of Virginia after Hurricane Irene.

Qualifications

- Project Manager CrowderGulf Debris Operations since 2011
- LEED Accredited Professional

Disaster Debris Management Experience and Responsibilities

CrowderGulf, LLC

Hurricane Irene (August 2011-October 2011)

- Project Manager for debris operations for Newport News, VA.

Joplin Tornado (June 2011 - September 2011)

- Operations Manager for USACE Mission
- Oversaw all operations for Crossroads reduction site

Reference - Hurricane Irene
Tim Shockley,
Solid Waste Administrator
City of Newport News
757-269-2852, tshockley@nngov.com

Reference - Joplin Tornado
Brian Shay
Corps of Engineers
QAS/COR
Brian.N.Shay@usace.army.mil

Additional Experience and Skills

J.E. Dunn Southeast dba R.J. Griffin & Company 2006 - 2010

- Created detailed monthly profit analysis inclusive of cost projections, labor logs, bond logs, material logs, equipment logs and transaction reports for review with the company officers.
- Projected and tracked all labor, equipment , materials and subcontractor cost for the duration of projects.
- Generated purchase orders, subcontracts, owner contracts, bid presentations, owner pay applications and the overall general contractor project schedules.
- Interfaced and communicated with clients regarding project status and coordinated as required to resolve issues with construction, procurement, and/or engineering.
- Participated in the estimating and bid process and successfully managed several projects I helped estimate.
- Led subcontractor scope meetings to negotiate and determine a full scope of work and totally inclusive subcontract price.
- Ran OAC (owner, architect and contractor) meetings to discuss the current status of projects, expected completion dates and up to date changes and cost.
- Acted as onsite Superintendent when necessary and was capable of running a safe and productive jobsite.
- Reviewed and approved all subcontractor pay application, material delivery schedules, shop drawings, submittals and their overall production schedules.

Certifications and Training

- USACE Construction Quality Management
- OSHA 30 hr
- National Incident Management System, IS-100, 200, 700, 800
- LEED AP
- National Pollutant Discharge Elimination System (NPDES)
- CPR & Blood Pathogens
- American Society of Healthcare Engineering

Training Provided

Provided yearly training for city and county municipalities that have CrowderGulf pre-event debris management contracts in place. A detailed list of sessions can be provided upon request.

Education

- Bachelor of Science in Building Science — Auburn University 2000 - 2006

Edward Reid Loper, LEED AP

Senior Project Manager

Areas of Expertise

DISASTER RESPONSE; DISASTER RECOVERY; ESTIMATING; MARINE DEBRIS REMOVAL; LOGISTICS; SCHEDULING; PRESENTATIONS; CLIENT TRAINING

Professional Overview

Reid started his career with CrowderGulf in 2010, as the Senior Project Manager (PM) for the BP Oil Spill. As PM, he has been responsible for managing over 1200 people and 400 pieces of equipment. Managing several projects at once is Reid's strong point and the BP project has consisted of simultaneously managing more than eight different major projects within the Area of Responsibility (AOR) for the BP Oil Spill operation. These projects ranged from sand screening, dredging, and vessel operations, to side scan sonar work. All projects have cumulatively exceeded $130 million in invoicing and total project cost. Reid worked as a project manager for a commercial construction company in Atlanta, Georgia, prior to choosing to return to the Gulf Coast. The time spent in Atlanta gave him vast knowledge in management, estimating, schedule and budget supervision.

Disaster Debris Management Experience and Responsibilities

CrowderGulf, LLC

Deep Horizon Oil Spill

- Senior Project Manager over the BP oil response for the entire state of Alabama.

Reference for Deep Horizon BP Oil Spill
Jim Poore
Baldwin County, AL Division Supervisor
251-225-5520, jpoore@bp.com

Alabama AOR BP Response (Manual Cleaning) - Project Value: $80,000,000 — *July 2010-March 2012*
Direct Manager of six different sites and project managers, totaling in approximately 720 in personnel and 250 pieces of equipment including marine operations and heavy equipment.

Alabama AOR BP Response (Mechanical Cleaning) - Project Value: $40,000,000 — *Nov. 2010 – March 2011*
Description: Direct Manager of 12 different sand screening operation and four project managers, were the entire Alabama coast was excavated, screened, and placed back. This resulted in the screening of approximately four million cubic yards of sand with 200 pieces of equipment, and 480 operators and personnel. This process had never been performed before to remove oil material from sand.

Choate Construction Company

Various Commercial Construction Projects — June 2007-June 2010

- Assistant Project Manager of commercial construction projects ranging from $4 to $20 MM.

Education

- Bachelor of Science in Aerospace Engineering — Auburn University 2007

Certifications and Training

- NASCLA Accredited (National Association of State Contractors Licensing)
- General Contracting licenses Alabama, Virginia, Louisiana, Mississippi, Georgia and South Carolina
- HAZWOPER 40 Hour and 8 Hour refresher
- OSHA 30 and 10 Hour refresher
- National Incident Management System ICS-100, 200, 300, 400, 241, 242, 632, 700, 702, 800, 810, 901 and 1900
- LEED AP (Leadership in Energy and Environmental Design Accredited Professional)

Additional Experience and Skills

CrowderGulf, LLC — 2010 - present

- Direct manager of multiple project managers and respected projects, analyzing of contract requirements, profit/losses estimates (Daily and Monthly), and scheduling for over $140 million in projects.
- Managed operations consisting of 1200 response personnel and over 600 pieces of equipment.
- Highly involved in and conducting business development.
- Conducted quarterly performance reviews for clients, company growth, and quality control.
- Qualified Individual for company general contractors license.
- Perform technical writing used in RFP responses and presentations.

- Look for new opportunities for future work and expanding markets.
- Perform business models for expanding and growth of current company.
- Assesses new and current projects to create estimates.
- Managed safety program along with insuring that safety and operations coincided.
- Maintained a company Safety TRIR of less than 2.0 for the past three years.
- Handle HR concerns, personnel consulting, and legal matters.
- Organize and conduct weekly progress meetings among management.
- Manage subcontractors from all aspects including: Insurance, billing, subcontracts, and performance.
- Started sites from the ground up with facilities, personnel, and equipment.
- Negotiate contract terms, review, and executed client contracts.

Choate Construction Company 2007 - 2010

- Collaborates on the design, engineering, presentation, and project management of over $45 million in new project development and completion.
- Assesses new and current projects to create estimates of over $100 million.
- Directs the management of more than 150 subcontractors; maintains schedules and ensures projects are completed on time and under budget.
- Establishes project completion deadlines and consistently meets them.
- Reviews and addresses on-site safety and risk factors.
- Responds to and resolves daily operations issues.
- Experience with take-offs by hand and with on screen take-off.

Sun City Peachtree Amenity Center **Project Value: $16, 100, 000**
Project Manager Duration: 16 Months
54,000 Square foot luxury clubhouse on a 15-acre site, complete with indoor running track, fitness center, ballrooms, theater, extensive tennis facility, indoor/outdoor pools, with tennis and pool house. Total of three separate buildings.

Del Webb at Lake Oconee Amenity Center **Project Value: $8,700,000**
Assistant Project Manager Duration: 7 Months
28,000 Square foot luxury clubhouse on a 6-acre site, complete with fitness center, ballrooms, indoor/outdoor pools, tennis facility and pool house. Total of five separate buildings. Produced a gross profit of 19 percent.

Cobb County Parking Deck **Project Value: $7,700,000**
Assistant Project Manager Duration: 12 Months
: Five story 210,000 square foot, pre-cast parking deck.

Johnnie B. Moore Towers II – Independent Living **Project Value: $4,200,000**
Assistant Project Manager/Project Manager Duration: 10 Months
45,000 Square foot HUD independent living facility, with of 56 units and common area, access control, and complete site package including an underground detention pond.

Sun City Peachtree Golf Clubhouse **Project Value: $3,350,000**
Project Manager Duration: 6 Months
16,000 Square foot Golf Clubhouse, with basement storage for 72 golf carts, event dining, locker rooms, decorative wood trusses and fully functional restaurant and bar. Also includes two comfort stations on golf course and barn. Total of four separate buildings. $2000 per day early finish incentive, finished 30 days early with a gross profit of 24 percent.

Consecrated Women's Residence at Pinecrest Academy **Project Value: $3,100,000**
Assistant Project Manager/Project Manager Duration: 9 Months
23,000 Square foot multifamily residence housing 23 nuns, complete with commercial kitchen, and chapel.

Projects under $2,000,000
Pinecrest Academy Lower School Renovation
Brookhaven Christian Church Renovation
First Baptist Church Youth and Children Facility
Little Lagoon Maintenance Dredging
BP Anchor Removal Program
BP Gabion Basket Removal
Dauphin Island, AL. Berm Construction

Nick Pratt

Project Manager

Areas of Expertise

DISASTER RESPONSE DEBRIS OPERATIONS; EMERGENCY PLANNING/MANAGEMENT; STRATEGIC PLANNING AND NEGOTIATIONS

Disaster Debris Management Experience

CrowderGulf Disaster Recovery, Theodore AL — *2010-Present*

Project Manager

- Lead the planning and implementation of project.
- Facilitate the definition of project scope, goals and deliverables.
- Define project tasks and resource requirements.
- Assemble and coordinate project staff.
- Manage project budget.
- Manage project resource allocation.
- Plan and schedule project timelines.
- Track project deliverables using appropriate tools.
- Provide direction and support to project team.
- Quality assurance.
- Constantly monitor and report on progress of the project to all stakeholders.
- Present reports defining project progress, problems and solutions.
- Implement and manage project changes and interventions to achieve project outputs.
- Project evaluations and assessment of results.
- Managed large site for BP oil spill response, involving 200 + pieces of heavy equipment as well as Hurricanes Irene & Isaac debris removal.

Reference for City of Rocky Mount, NC
Jonathan Boone, Public Works Director
252-872-1290, jboone@rockymountnc.org

Reference for BP
Eddie Marshall
1245 Brandywine Lane, SE
Decatur, AL 35601
409-739-0554. eddie.marshall@bp.com

2011 Hurricane Irene Recovery, North Carolina & Virginia - *Debris removal and reduction after Hurricane Irene*

Edgecombe County, NC — Dee Waters, Purchasing Manager, 252-641-7888
Completion Date: 11/4/2011 — Current Construction Value: $1,519,737

Town of Robersonville, NC — Libby Jenkins, Town Manager, 252-508-0311
Completion Date: 10/3/2011 — Current Construction Value: $52,312

City of Rocky Mount, NC — Jonathan Boone, PW Director, 252-972-1290
Completion Date: 11/3/2011 — Current Construction Value: $2,971,515

Town of Williamston, NC — Brent Kanipe, Director of Planning & Development, 252-792-5142 Ext.227
Completion Date: 9/10/2011 — Current Construction Value: $129,325

2011 Tornado Recovery, Walker County, AL - *Debris removal and reduction after tornado*
USACE mission assigned contract CrowderGulf Prime sub for Phillips & Jordan — Clint Stephens, 828-479-3371
Completion Date: 8/2011 — Current Construction Value: $3,303,475

2010 BP Deep Horizon Oil Spill Recovery Response, Gulf Waters & Beaches, AL, FL, MS -
Oil Spill Response & Recovery, providing management, equipment, materials and personnel to recover, maintain and reclaim gulf coast beach areas
BP Oil Exploration & Production / O'Brien's Response Management / Orange Beach, AL / Baldwin County, AL / Dauphin Island, AL
Jeremiah Jefferies – AL Operations Mgr, 251-518-1334
Completion Date: 8/20/2010 — Current Construction Value: $129,390,001

Housing Demolition & Clearance, Prichard, AL - *Demolition, clearance & disposal of debris from approximately 39 properties*
City of Prichard, AL (CDBG Project) — Rob Bartlett, City of Prichard, 251-622-5635
Completion Date: 12/15/2010 — Current Construction Value: $118,440

Baldwin County Dredging Maintenance, Baldwin County, AL - *Dredging of Little Lagoon Pass in Gulf Shores, AL on an as needed basis*
Alabama Department of Transportation (ALDOT) — Phillip Presley , Contact Manager, 251-989-6319
Completion Date: 12/2013 — Current Construction Value: $1,284,000

CrowderGulf Disaster Recovery, Theodore AL — *2003-2006*

Field Supervisor

- Supervised teams during storm cleanup.
- Supervised debris reduction yards for Hurricane's Charlie, Ivan, Katrina, Rita.
- Consulted with local municipalities in regards to reduction and removal of storm debris.

2006 Ditch Cleaning & Debris Removal, Atmore, AL - *Drainage Improvements throughout the City*
City of Atmore, AL
Completion Date: 8/16/2006
Current Construction Value: $93,262

2005 Hurricane Wilma Recovery - *Debris removal, reduction and disposal after Hurricane Wilma*

City of Pembroke Pines, FL
Completion Date: 1/20/2005
Shawn Denton, Director of Public Services, 954-437-1111
Current Construction Value: $11,752,000

City of West Palm Beach, FL
Completion Date: 1/11/2006
Ken Reardon, Assistant City Administrator, 561-644-7483
Current Construction Value: $3,333,174

City of Wilton Manors, FL
Completion Date: 10/29/2005-12/9/2005
David Archacki, EM Coordinator, 954-390-2190
Current Construction Value: $1,706,597

2005 Hurricane Katrina Recovery - *Debris removal, reduction and disposal after Hurricane Katrina*

Baldwin County, AL
Completion Date: 3/1/2006
Kimberly Creech, Director, Finance & Accounting, 251-937-0303
Current Construction Value: $3,748,310

City of Biloxi, MS
Completion Date: 5/23/2007
Jonathan Kiser, PE, Neel Schaffer, 228-374-1211
Current Construction Value: $17,395,715

City of Daphne, AL
Completion Date: 10/10/2005
Ken Eslava, Former Public Works Director, 251-928-8003
Current Construction Value: $642,000

City of Gulf Shores, AL
Completion Date: 2/20/2006
Mark Acreman, PE City Engineer, 251-968-1155
Current Construction Value: $7,147,306

Hancock County, MS , Removal & Disposal of Junked/Abandoned Vehicles
Completion Date: 6/25/2007
Travis McCoy, Neel-Schaffer, 601-948-3071
Current Construction Value: $360,000

Client: Harrison County, MS
Completion Date: 9/11/2005
Pamela Ulrich, Harrison Co Board of Supervisors, 1801 23rd Ave, Gulfport, MS 39502
Current Construction Value: $608,369

Jackson County, MS
Completion Date: 8/31/2006
Jonathan Kiser, PE, Neel Schaffer, 228-374-1211
Current Construction Value: $651,266

City of Orange Beach, AL
Completion Date: 8/30/2005
Phillip West, Environmental Manager
Current Construction Value: $265,701

City of Pascagoula, MS
Completion Date: 7/31/2010
Kay Kell, City Manager, 228-217-0330
Current Construction Value: $22,535,788

City of Pembroke Pines, FL
Completion Date: 9/16/2005
Shawn Denton, Director of Public Services, 954-437-1111
Current Construction Value: $730,000

City of Waveland, MS
Completion Date: 9/5/2005
Mayor Tommy Longo (now David Garcia), 228-467-4134
Current Construction Value: $145,066

2005 Hurricane Dennis Recovery - *Debris removal, reduction and disposal after Hurricane Dennis*

City of Atmore, AL
Completion Date: 4/18/2006
Nina Downing, Acting Clerk
Current Construction Value: $993,136

Baldwin County, AL
Completion Date: 8/27/2005
Kimberly Creech, Director, Finance & Accounting, 251-937-0303
Current Construction Value: $564,552

City of Destin, FL
Completion Date: 8/16/2005
Tim Pientinpol, Deputy Dir. Public Services, 850-837-6869
Current Construction Value: $350,945

2004 Hurricane Ivan Recovery - *Debris removal, reduction and disposal after Hurricane Ivan*

State of AL Dept of Conservation & Natural Resources
Completion Date: 12/23/2005
Terry Boyd, Director, 334-868-9851
Current Construction Value: $4,385,100

Baldwin County, AL
Completion Date: 4/15/2005
Kimberly Creech, Director, Finance & Accounting, 251-937-0303
Current Construction Value: $33,164,762

City of Daphne, AL
Completion Date: 10/10/2005
Ken Eslava, Former Public Works Director, 251-928-8003
Current Construction Value: $2,196,324

Town of Loxley, AL
Completion Date: 11/28/2004
Thomas Hudson
Current Construction Value: $718,154

City of Robertsdale, AL
Completion Date: 11/24/2004
Charles Murphy, Mayor, 251-947-8903
Current Construction Value: $1,475,614

Additional Experience and Skills

Zehendner Disaster Relief, Hamilton MO

2006-2010

Supervisor

- Supervised the day to day operations of CrowderGulf's prime subcontractor.
- Managed fleet of large, self loading debris hauling trucks.
- Coordinated Safety program for disaster site workers.
- Implemented maintenance program based on daily truck inspections
- Dispatched and routed trucks for Hurricane Ike debris removal.
- Managed Hurricane Ike, Wilma, and NY ice storm debris remediation.

2008 Hurricane Ike Recovery, Texas, Alabama - *Debris removal, reduction and disposal after Hurricane Ike*

City of Alvin, TX
Completion Date: 12/18/2008
David Kocurek, Public Safety Director, 281-388-4315
Current Construction Value: $2,485,571

Brazoria County, TX
Completion Date: 11/13/2008
Stephanie Bradford, Data Specialist, 979-864-1265
Current Construction Value: $254,205

Galveston County, TX
Completion Date: 9/12/2009
Connie Nicholson, Grants Coordinator, 409-682-3139,
Current Construction Value: $84,145,785

City of Kemah, TX
Completion Date: 8/14/2009
R. W. Kerber, EMC / City Administrator, 281-334-1611
Current Construction Value: $1,562,035

City of League City, TX
Completion Date: 1/10/2009
Denny Holt, EMC, 281-554-1300
Current Construction Value: $4,108,866

City of Pearland, TX
Completion Date: 1/23/2009
Bill Eisen, City Manager, 281-652-1662
Current Construction Value: $4,638,531

City of Santa Fe, TX
Completion Date: 10/26/2008
Barry Cook, EMC Chief of Police / Public Safety, 409-925-3092
Current Construction Value: $996,034

Texas General Land Office
Completion Date: 2/15/2010
Ben Au, Architect Director, Construction Services, 512-436-6293
Current Construction Value: $27,167,674

City of Texas City, TX
Completion Date: 10/27/2008
Bruce Clawson, Emergency Manager, 409-643-5840
Current Construction Value: $3,578,002

2006 Flood Recovery, New York - *Debris removal, reduction and disposal after flooding from storms*

Union Concrete Constructors, Erie & Genessee Counties, NY
Completion Date: 1/7/2007
Completion Date: 1/18/2007
Jodi Osinski, UCC Constructors, Inc., 716-822-5755
Current Construction Value: $4,480,345
Current Construction Value: $258,128

Education

- University of South Alabama, Mobile, AL — 2000-2003

Certifications & Achievements

- NIMS ICS 010, 011, 100.b, 100FDA, 100.hch, 100.leb, 100.pwb, 200.b, 394.a, 700.b, 800.b
- 40 hour HAZWOPER and Refresher; 30 hour OSHA Construction
- CPR and First Aid Certified

Wilber Ledet

Project Manager

Areas of Expertise

DISASTER RESPONSE DEBRIS OPERATIONS; EMERGENCY PLANNING/MANAGEMENT/MARINE DEBRIS CLEAN-UP

Relevant Qualifications

- Sixteen years of management experience in disaster recovery and marine debris.
- Expertise in managing stored vessel reclamation program.
- Assisted in the removal of hazardous substances from the vessels and coordinated their proper disposal.
- Sand removal, sand screening and beach berm construction, including sea oat replacement and right-of-entry program for sand reclamation on private property.
- Facilitated overall daily operations, training and safety programs on equipment for staff and customers.

Disaster Debris Management Experience

CrowderGulf, LLC – Theodore, AL

- **Project Manager -** Hurricane Isaac - Dauphin Island, AL *September 2012 to Present*
  Managed clearing road ways of sand and debris. Screening approximately 166,000 cubic yards of sand to remove debris and place sand back on beach.

- **Supervisor -** Hurricane Isaac *September 2012*
  City of Pascagoula, Ms. - Removal of storm debris from right of ways.
  City of Biloxi, Ms. - Removal of storm debris from right of ways.
  City of Orange Beach, AL - Removal of debris from beaches.
  Walton County FL. - Removal of debris from beaches.

- **Project Manager -** BP MC252 Gulf Oil Spill - Baldwin County, AL *May 2010 to February 2012*
  Managed up to 800 Hazwoper certified responders. Managed both manual and mechanical removal of oil from all of the beaches in Baldwin Co. Alabama. Attended daily operation meetings with BP, US Coast Guard, Alabama Department of Environmental Management. Attended weekly planning meeting with BP operations to assist with plans for the clean up activities for the State of Alabama. July 2010 was appointed to BP's Waste Management Board, assisted in reducing the use of non recyclable plastic on the response.

Reference for BP Oil Spill
Mike Tucker
1245 Brandywine Lane, SE
Decatur, AL35601
251-382-4810, mike.tucker@bp.com

Reference for BP Oil Spill
Eddie Marshall
1245 Brandywine Lane, SE
Decatur, AL35601
409-739-0554, eddie.marshall@bp.com

- **Supervisor -** Hurricane Ike *January 2009 to November 2009*
  Supervised removal of wet debris targets identified by sonar from West Galveston Bay, Tiki Island and Omega Bay, Texas. Chanel clean up of Dickinson and League City Texas. Located and removed sunken vessels in the same water ways. Stored vessels and removed all fluids and disposed of vessels. Disposal of vessels in Port Arthur and Orange Texas.

- **Supervisor Strayham Construction -** Hurricane Ike *September 2008 to November 2008*
  Supervised seven (7) curtain burn pits in Pearland Texas. Reduced by burning over 600,000 cubic yards of vegetative debris.

Certifications

- FEMA Certifications: *IS-00001, IS-00100.b, IS-00134, IS-00200.b. IS-00240.a, IS-00244.a,IS-00700.a, IS-00800.b, 40-Hr HazWoper, 30-Hr OSHA Construction Course*
- US Army Corps Of Engineers: *Construction Quality Management for Contractors #784*

Jason Zirlott

Project Manager

Areas of Expertise

DISASTER RESPONSE DEBRIS OPERATIONS; MARINE DEBRIS CLEAN-UP; SIDE SCAN SONAR

Disaster Debris Management Projects Completed

CrowderGulf / Mobile, AL

2005-Present

Project Manager

- Expertise in High Resolution Side Scan Sonar Operation
- Eleven Years experience in Marine Debris Detection and Removal
- Boat Captain over ten years
- Data Collection and Processing

2010 Hurricane Katrina

- High Resolution Side Scan Sonar, Lake Pontchartrain
- Water Debris Clean- Up, Lake Pontchartrain

2009 Hurricane Ike

- Texas Galveston Bay, Trinity Bay, Coast Line Side Scan Sonar
- High Resolution Side Scan Sonar, Louisiana, Caminada Bay
- Water Debris Clean-Up Texas, Sabine Pass

Reference - LA Wildlife & Fisheries
Leo Richardson 225-439-5578

2008 Hurricane Rita, Calcasieu LA

- Vermillion Bay, High Resolution Side Scan Sonar

2006/2007 Hurricane Katrina

- Mississippi Coast Line to Half Mile Job, water debris clean-up, High Resolution Side Scan Sonar
- Mississippi Half Mile to Four Mile Job, High Resolution Side Scan Sonar
- Louisiana, Lake Borgne, Lake Pontchartrain Middle Ground Side Scan Sonar
- Hurricane Rita, Lake Calcasieu Side Scan Sonar

2006 Hurricane Katrina

- Mississippi, Gulf Port Harbor Side Scan Sonar

2005 Hurricane Ivan & Katrina /Water Debris Clean-up

- Alabama Gulf Coast-line Little Lagoon Pass to Florida State Line Side Scan Sonar
- Little Lagoon, Fish River, Weeks Bay, Dauphin Island Side Scan Sonar

Gulf Equipment / CrowderGulf / Mobile, AL

2005

Project Manager

- Supervised and performed Water Debris Removal

Additional Experience

Self Employed / Fowl River, AL

2001-2005

Commercial Fisherman

- Captain/Owner of Documented Vessel
- Navigating
- Operating Hydraulic Wenches
- Mechanical Engineer

Certifications

Sea Scan PC, Chesapeake Technology Sonar Wiz, Intro to Hydrography, Comet, P-Sea Wind Plots, Sonar Wiz map 5, Map Source, GPS-Utility, CPR/First Aid, TWIC

Dan Rackard

Marine Division Project Manager

Areas of Expertise

DISASTER RESPONSE DEBRIS OPERATIONS; MARINE DEBRIS CLEAN-UP; SIDE SCAN SONAR

Disaster Relief Operations

Participated in the following in varying degrees from Equipment Operator to Project Manager over the last 36 years:

- Hurricane Frederick, Iniki, George, Rita, Ivan, Katrina, Gustav, Ike, Irene, Isaac
- Earthquake – Incerlick, Turkey
- Forest Fires – Montana, Idaho
- Snow Storms – New York
- Ice Storm – Kansas City
- Flooding – Southern France, Korea
- Tornado – Limon, Colorado

Disaster Debris Management Experience

CrowderGulf *March 2005-Present*

Marine Division Project Manager

Responsible for projects on open water and inland waterways, including wetlands, drainage canals and ditches. Primarily responsible for debris removal, work has included drainage restoration and wetland remediation, as well as dune construction, sand reclamation and beach re-nourishment. Managed over 30 jobs over 300,000 man hours and equipment hours without time lost accident. All jobs brought in ahead of schedule and under budgeted price.

Matthews Marine/Gulf Equipment Ventures Project Manager *July 2006 - August 2007*

Managed 4 separate projects for the US Coast Guard ,involving marine debris removal from waters in the state of Mississippi. Work included working in sensitive wetland areas, as well as coastal waters. All projects were completed ahead of schedule.

2011 Hurricane Irene Recovery, NC Counties: Currituck, Bertie, Perquimans, Washington, Pasquotank, Dare, Camden, Gates, Northampton, Hertford, Chowan, Hyde, Tyrrell

NCDOT - *Debris removal and reduction after Hurricane Irene* Jerry Jennings, Division Engineer, 252-482-7977
Completion Date: 10/22/2011 Current Construction Value: $1,073,062

2010 BP Deep Horizon Oil Spill Recovery Response, Gulf Waters & Beaches, AL, FL, MS

Oil Spill Response & Recovery, providing management, equipment, materials and personnel to recover, maintain and reclaim gulf coast beach areas

BP Oil Exploration & Production / O'Brien's Response Management / Orange Beach, AL/ Baldwin County, AL/ Dauphin Island, AL Jeremiah Jefferies – AL Operations Mgr, 251-518-1334
Completion Date: 8/20/2010 Current Construction Value: $129,390,001

Housing Demolition & Clearance, Prichard, AL

City of Prichard, AL (CDBG Project) - *Demolition, clearance & disposal of debris from approximately 39 properties* Rob Bartlett, City of Prichard, 251-622-5635
Completion Date: 12/15/2010 Current Construction Value: $118,440

Lake Ponchatrain Plane Recovery, Lake Ponchatrain, LA

U.S. Navy - *Recovered a plane at the bottom of Lake Ponchatrain* CDR John Hensel, 850-696-9500
Completion Date: 01/23/2010 Current Construction Value: $3,500

Baldwin County Dredging Maintenance, Baldwin County, AL

Alabama Department of Transportation (ALDOT) - *Dredging of Little Lagoon Pass in Gulf Shores, AL on an as needed basis* Phillip Presley , Contact Manager, 251-989-6319
Completion Date: 12/2013 Current Construction Value: $1,284,000

2009 Tropical Storm Ida Recovery, Dauphin Island, AL

Town of Dauphin Island, AL - *Emergency PUSH, sand screening and beach reclamation after Tropical Storm Ida*
Jeff Collier, Mayor, 251-861-5525
Completion Date: 4/12/2010 Current Construction Value: $922,471

2008 Hurricane Gustav Recovery, Dauphin Island, AL

Town of Dauphin Island, AL - *Emergency PUSH and various repair/improvement after Hurricane Gustav*
Jeff Collier, Mayor, 251-861-5525
Completion Date: 9/10/2008 Current Construction Value: $53,313

2008 Hurricane Ike Recovery, Texas, Alabama - *Debris removal, reduction and disposal after Hurricane Ike*

City of Bayou Vista, TX — Chief Ed Lucas, Chief of Police, 409-935-0449
Completion Date: 10/29/2008 — Current Construction Value: $798,580

City of Beaumont, TX — Kyle Hayes, City Manager, 409-880-3708
Completion Date: 4/15/2009 — Current Construction Value: $11,948,522

City of Clear Lake Shores, TX — Paul Shelley, City Administrator, 281-334-2799
Completion Date: 10/7/2009 — Current Construction Value: $633,545

Town of Dauphin Island, AL — Jeff Collier, Mayor, 251-861-5525
Completion Date: 3/13/2009 — Current Construction Value: $3,245,527

City of Dickinson, TX — Captain Steve Krone, 281-377-2489
Completion Date: 2/3/2009 — Current Construction Value: $2,309,107

City of Friendswood, TX — Mr. Terry Byrd, EMC, Fire Marshall, 281-996-3335
Completion Date: 1/13/2009 — Current Construction Value: $4,054,033

City of Kemah, TX — R. W. Kerber, EMC / City Administrator, 281-334-1611
Completion Date: 8/14/2009 — Current Construction Value: $1,562,035

City of LaMarque, TX — Todd Zacherl, Fire Chief, 409-938-9261
Completion Date: 1/21/2009 — Current Construction Value: $1,875,469

City of League City, TX — Denny Holt, EMC, 281-554-1300
Completion Date: 1/10/2009 — Current Construction Value: $4,108,866

Texas General Land Office — Ben Au, Architect Director, Construction Services, 512-436-6293
Completion Date: 2/15/2010 — Current Construction Value: $27,167,674

Village of Tiki Island, TX — Tim Cullather, Emergency Management, 409-938-4932
Completion Date: 3/23/2009 — Current Construction Value: $917,649

Red Drift Algae Beach Cleanup, Sanibel Island, FL - *Hand-Rake and removed red drift algae from beach*
City of Sanibel Island, FL — Gates Castle, Public Works Director, 239-472-6397
Completion Date: 2/18/2007 — Current Construction Value: $65,716

Ditch Cleaning & Debris Removal, Atmore, AL - *Drainage improvements throughout the City*
City of Atmore, AL
Completion Date: 8/16/2006 Current Construction Value: $93,262

2005 Hurricane Rita Recovery, Dickinson, TX - *Emergency PUSH and debris removal after Hurricane Rita*
City of Dickinson, TX — Ivan Langford, City Administrator
Completion Date: 10/18/2005 — Current Construction Value: $92,554

2005 Hurricane Wilma Recovery, Florida -
Waterway debris removal and drainage improvements after Hurricane Wilma

Collier County, FL — Ms. Margaret Bishop, PE, Senior Project Manager, 239-213-5897
Completion Date: 9/10/2006 — Current Construction Value: $2,508,500

Lee County, FL — John Wilson, Public Safety Director, 239-533-3905
Completion Date: 6/4/2006 — Current Construction Value: $8,386,000

2005 Hurricane Katrina Recovery, Alabama & Mississippi -
Debris removal and recovery after Hurricane Katrina; Demolition projects and disposal of asbestos;

Baldwin County, AL — Kimberly Creech, Director, Finance & Accounting, 251-937-0303
Completion Date: 3/1/2006 — Current Construction Value: $3,748,310

City of Biloxi, MS — Jonathan Kiser, PE, Neel Schaffer , 228-374-1211
Completion Date: 5/23/2007 — Current Construction Value: $17,395,715

City of Gulf Shores, AL — Mark Acreman, PE City Engineer, 251-968-1155
Completion Date: 2/20/2006 — Current Construction Value: $7,147,306

City of Gulfport, MS — Bill Powell, Director of Engineering, 228-868-5815
Completion Date: 9/20/2006 — Current Construction Value: $10,282,357

Hancock County, MS -
Removal & Disposal of Junked/Abandoned Vehicles — Travis McCoy, Neel-Schaffer, 601-948-3071
Completion Date: 6/25/2007 — Current Construction Value: $360,000

Harrison County, MS — Pamela Ulrich, Harrison Co Board of Supervisors
Completion Date: 9/11/2005 — Current Construction Value: $608,369

State of Louisiana Dept. of Wildlife & Fisheries — Martin Bourgeois, Marine Fisheries Biologist, 225-765-2401
Completion Date: 1/16/2011 — Current Construction Value: $5,143,200

City of Orange Beach, AL — Phillip West, Environmental Manager
Completion Date: 8/30/2005 — Current Construction Value: $265,701

City of Pascagoula, MS — Kay Kell, City Manager, 228-217-0330
Completion Date: 7/31/2010 — Current Construction Value: $22,535,788

2005 Hurricane Dennis Recovery, Florida & Alabama - *Debris removal and disposal, after Hurricane Dennis*

City of Atmore, AL — Nina Downing, Acting Clerk
Completion Date: 4/18/2006 — Current Construction Value: $993,136

Baldwin County, AL — Kimberly Creech, Director, Finance & Accounting, 251-937-0303
Completion Date: 8/27/2005 — Current Construction Value: $564,552

Escambia County, FL — Richard Noyes, Chief of Operations, Parks & Recreation Department, 850-475-5220
Completion Date: 11/9/2007 — Current Construction Value: $6,413,449

City of Flomaton, AL — Nina Downing, Acting Clerk
Completion Date: 8/19/2005 — Current Construction Value: $62,883

Additional Experience and Skills

City of Gulf Shores

Contract Labor Supervisor — *September 2004 - March 2005*

- Supervised a 20 man labor crew in debris removal within the City of Gulf Shores following Hurricane Ivan.

Superintendent Streets and Drainage — *July 1988 - April 2001*

- Supervised 16 person city work crew in maintaining all streets and drainage for the city. Managed an 11 million dollar operating budget

University of West Florida

Engineering Construction Management — *September 2004 - March 2005*

- Student

U. S. Army

First Sergeant — *July 1976 - April 1998*

- Senior non-commissioned officer of a 250 man construction engineer company. Primarily responsible for the training, health, welfare and morale of a forward deployed, heavy construction engineer company.
- Military Awards: Legion of Merit; (2) Meritorious Service Medals; (5) Army Commendation Medals; Numerous Campaign and Service Medals; Bronze De Fleury Medal

Education & Certifications

2012 NIMS Certified
Completed over 150 FEMA Courses
Asbestos Supervisor
Mold Removal Specialist
Watershed Management
Landfill Operators Basic
C&D Debris Management
Demolition Safety
Hazardous/toxic Waste Management
Sea Scan PC

2012 Chesapeake Technology Sonar Wiz
Introduction to Hydrography
Ocean Acoustics
CPR/First Aid
Cold Weather Safety
Padi-Dive Master

2008 Construction Quality Management
1991 U. S. Army First Sergeants Course
1985 U. S. Army Advance Engineer Course
1984 St. Thomas Aquinas College AA Business

Jeff Zemlik

Safety Manager

Areas of Expertise

DISASTER RESPONSE DEBRIS OPERATIONS SAFETY; EMERGENCY PLANNING/MANAGEMENT; SAFETY PLANNING AND POLICY IMPLEMENTATION

Relevant Qualifications

- Nine years of experience in Safety Management.
- Possesses ability to strategically plan and execute all phases of construction safety.
- Uses effective management strategies to maintain safety budgets based on both project and yearly goals.
- Skilled at learning new concepts quickly, working well under pressure, and communicating ideas clearly and effectively, as well as implementing standardized policies and procedures.
- Extremely flexible with last minute changes and additions to maximize customer satisfaction and employee safety.
- Proven ability to maintain stellar relations with both employee's and clients.
- Completed over 1.5 million hours of safe work during large scale disaster cleanup operations.

Disaster Debris Management Experience

CrowderGulf

May 28th, 2010-Present

Safety Consultant, Site Lead, Safety Manager

- Reviewed, evaluated, and analyzed work environments, design programs and procedures to control, eliminate, and prevent disease or injury caused by chemical, physical, and biological agents in the arena of environmental safety, marine operations, and general site safety.
- Created and implemented safety procedure and policy, as well as created all original safety plans specifically pertaining to the individual job or project.
- Conducted inspections and enforced adherence to laws and regulations.
- Held daily safety meetings concerning various topics of personnel safety and training.
- Monitored the JSA process, including storage both physically and electronically.
- Monitored all forms of documentation and document preservation.
- Followed through with incident investigation to ensure that all required policies were followed. Trained, motivated and managed team of up to 16 safety observers.
- Aggressively case managed all cases of injury.
- Issued permit to work, lift permits, hot-work permits, LO/TO program and ground disturbance permits.
- Adjunct Hazwoper instructor for over 240 employees'.

2012 Hurricane Isaac Cleanup

Debris removal and reduction after Hurricane Isaac for the cities of Pascagoula, Gulf Port, and Biloxi in Mississippi with no first aid or OSHA recordable incidents.

2011 Hurricane Irene Recovery, North Carolina & Virginia

Debris removal and reduction after Hurricane Irene for over 20 municipalities in the North Carolina and Virginia area with no first aid or OSHA recordable incidents.

Reference - City of Rocky Mount, NC
Jonathan Boone, Public Works Director
252-972-1290
Construction Value $2,971,515

2010 BP Deep Horizon Oil Spill Recovery Response, Gulf Waters & Beaches, AL, FL, MS

Oil Spill Response & Recovery, providing management, equipment, materials and personnel to recover, maintain and reclaim gulf coast beach areas; BP Oil Exploration & Production/ O'Brien's Response Management/ Orange Beach, AL/ Baldwin County, AL/ Dauphin Island, AL

Reference - BP
Jeremiah Jefferies, AL Operations Manager
251-518-1334
Construction Value $129,390,001

Additional Experience and Skills

Marriott - Hutchinson Island, Stuart, FL (772)225-3700 **2006 to 2008**

Director of Banquets

Created and monitored Chemical Hazard Communication area in compliance with OSHA [29CFR 1910.1200 App E]. Educated associates on proper labeling of hazardous chemicals and knowledge of Material Safety Data Sheets. Created communication board to inform workers of potential hazards. Kept all places of employment clean and orderly and in sanitary condition. Walking/Working Surfaces Standard [29 CFR 1910.22(a)(1)]. Kept floors clean and dry. Where wet processes are used, maintain drainage, and provided false floors, platforms, mats, or other dry standing places where practicable [29 CFR 1910.22(a)(2)]. Created programs to allow associates to purchase Safety shoes[29 CFR 1910.22-30] and have the cost of shoes deducted from employee's payroll. Safety Committee Chair 2007-2008

Hilton Clearwater Beach - Clearwater Beach, FL **2003 to 2006**

Assistant Banquet Manager

Created and monitored Chemical Hazard Communication area in compliance with OSHA[29 CFR 1910.1200. Educated associates on proper labeling of hazardous chemicals and knowledge of Material Safety Data Sheets. Created communication board to inform workers of potential hazards. Kept all places of employment clean and orderly and in a sanitary condition. Walking/Working Surfaces Standard [29 CFR 1910.22(a)(1)]. Keep floors clean and dry. Where wet processes are used, maintain drainage, and provide false floors, platforms, mats, or other dry standing places where practicable 29 CFR [1910.22(a)(2)]. C.A.R.E. committee chair, 2004

Arrow Equipment/United Rentals - Chicago, IL **2001 to 2002**

Sales/Acting Branch Manager

Sold, service and maintained trench support equipment in compliance with OSHA [29 CFR 1926.650 - 652]. Sold and advised on various PPE (including but not limited to respirators, hard hats, safety glasses, safety gloves) equipment in accordance with OSHA [29 CFR 1910.132-.140]. Conducted safety training and education programs, and demonstrated the use of safety equipment.

Rite Way Masonry – Chicago, IL **1995 to 2001**

Safety Manager

Monitored for any and all safety concerns. Conducted weekly safety audits for OSHA compliance. Conducted weekly safety meeting, daily toolbox meetings, as well as created and preserved JSA and risk assessment. Instructed masons and labors on MSDS for various chemicals as well as any immediate safety related items. Created safety policy and procedure in regards to Off Road Forklift use (Pettibone).

Education

- A.A. Concentration Organizational Management — Indian River State College, Ft. Pierce, Florida
- B.A. Occupational Health and Safety — Columbia Southern, Gulf Shores, Alabama(currently Enrolled)

Certifications

- 40 Hour Hazwoper Certificate,
- SONS & TWIC
- OSHA 10 Hour General Industry
- OSHA 30 Construction
- OSHA 510 & 500
- ICS 100, ICS 200, ICS 300, ICS 400, ICS 700, ICS 800, ICS 240
- Leadership & Influence,
- DOT Supervisor,
- Root Cause and Incident Training
- U.S.A.C.E Construction Quality Management
- U.S.A.C.E. 385-1-1 40 hour

Jeff Zemlik

Mike Moulder

Project Manager

Areas of Expertise

DISASTER RECOVER AND DEBRIS MANAGEMENT OPERATIONS / MARINE DEBRIS CLEAN-UP

Professional Qualifications

- Supervise workers engaged in receiving, storing, testing, and shipping products or materials.
- Interview, select, and train all types of personnel.
- Plan, develop, or implement workplace safety and security programs and activities.
- Direct implementation of correspondences, reports, operations, maintenance, and safety manuals.
- Issue shipping instructions and provide routing information to ensure that delivery times and locations are coordinated.
- Confer with department heads to coordinate workplace activities, such as production, sales, records control, or purchasing.
- Review invoices, work orders, consumption reports, or demand forecasts to estimate peak delivery periods and to issue work assignments.
- Inspect physical conditions of workplace, vehicle fleets, or equipment and order testing, maintenance, repairs, or replacements.
- Schedule or monitor air or surface pickup, delivery, or distribution of products or materials.

Reference
Dare County, NC
Clyde Guard, Assistant Public Works Director
252-475-5843

Disaster Debris Management Experience

CrowderGulf Disaster Recovery & Debris Management, Theodore, AL 2005-2012

Serving as the single point of contact for Projects I took responsibility for all aspects of the development and implementation of assigned projects. Hiring, Training and Managing all employees, Conducted project and safety meetings. Prepared briefings and program status reports for DAO and local government officials, Coordinating all day to day activities, Ensuring adherence to reviewed project deliverables. Managed the integration of vendor tasks as well as tracked and reviewed vendor deliverables. Provided technical and analytical guidance to project team. Recommended and took action to direct the analysis and solutions of all problems.

• Project Manager	Hurricane Isaac	Key West, FL	2012
• Project Manager	Hurricane Irene	Hatteras Island, NC	2011
• TDRS Manager	Joplin Tornado	Joplin, MO	2011
• Project Manager	B.P. Dredging Operations	Gulf Shores, AL	2010
• Project Manager	Sonar and Debris Removal	New Orleans, LA	2009
• Project Supervisor	Waterway Debris Removal	Sabine Lake Port Arthur, TX	2008
• Project Manager	Hurricane Ike	Beaumont, TX	2008
• Project Manager	Hurricane Katrina	Lafourche Parish, LA - USCG	2005
• Project Supervisor	Hurricane Rita	Jefferson County, TX	2005

New Image Promotions, Inc., *Owner and Operations Manager,* Panama City, FL 2000-2009

Customer Relations: Royal America Management, Berg Pipe, EB Pipe Coating, St. Joe Company, Bay County Government Agencies, Spinnaker Night Club, and many others.

Dobbs Appliance Repair, Co-Owner 2004-2008

Moulder & Sons Mobile Homes, Lot Manager 1995-2000

Moulder's Mobile Home Park, Owner 1991-2005

G.M.I. Industries (Century Boats), Plant Supervisor/Manager 1989-1993

Certifications and Credentials Held

OSHA 30 Hour Construction Industry, 40 Hour Hazwoper, Basic CPR/FA/BBP, Sonar Wiz Certified, PADI open water diver, Safety Plus cold weather awareness, Introduction to Hydrography, Introduction to Ocean Acoustics; FEMA IS-00001, IS-00007, IS-00016, IS-00100, IS-00102, IS-00200, IS-00208, IS-00240, IS-00241, IS-00242, IS-00292, IS-00630, IS-00632, IS-00700, IS-00800B, TWIC Card, SONS Contractor Card, PEC Premier Card, Florida Drivers License

DOUGLAS E. NELSON
Weeks Marine, Inc.
304 Gaille Drive
Innwoods Business Park
Covington, LA 70433

SUMMARY:

1993 - Present - Weeks Marine, Inc. - Superintendent/CQC Systems Manager/Assistant CQC Systems Manager/Project Manager/Operations Manager

Responsible for the Contract performance. Resolves any problem that cannot be resolved on the project by the Quality Control System Manager and his staff. Has the authority to sign the daily quality control reports. Overall supervision of all contract aspects, dredge and engineering personnel and subcontractors

Extensive experience in bucket machine operations, land surveying, hydrographic surveying, quality control management and reporting.

1985 - 1993 - American Dredging Co., Superintendent

Duties consisted of monitoring safety regulations and holding weekly safety meetings, communicating with the Contracting Officers and Government agencies, fluent in Quality Control and Daily Dredging reports.

EDUCATION:

1985 - Graduate – Bachelor of Science, Massachusetts Maritime Academy Marine Transport

February 14, 2008 Completed the U. S. Corps of Engineers Construction Quality Management for Contractors course

March 2012 Completed the U.S. Army Corps of Engineers Beach Nourishment Archaeological Monitoring Course

WORK EXPERIENCE:

Contract Number/ Cubic Yards/ Total Contract Amount	Contract Name/Corps District	Position
W912BU-12-C-0046 300,000 cubic yards $7,739,650.00	Cape May, New Jersey Beachfill Philadelphia District	Project Manager

WORK EXPERIENCE: (Cont'd)

Contract Number/ Cubic Yards/ Total Contract Amount	Contract Name/Corps District	Position
W912BU-11-C-0034 1,375,000 cubic yards $15,951,321.00	Absecon to Great Egg Harbor Atlantic City & Ventnor City, NJ Beachfill, Philadelphia District	Project Manager
Private 1,005,457 cubic yards $11,793,995.55	2011 Strathmere and Sea Isle City Beachfill New Jersey	Project Manager
W912BU-11-C-0010 321,000 cubic yards $4,144,165.00	Long Beach Island – Surf City Philadelphia District Beachfill	Project Manager
W912HY-10-C-0030 4,458,000 cubic yards $11,519,500.00	Sabine-Neches Waterway Pipeline Dredging Galveston District	Project Manager
Private 18,367 cubic yards $174,900.00	KC Railroad Dock, TX Maintenance Dredging	Project Manager
Private Rental $277,750.00	Motiva Docks, TX Maintenance Dredging	Project Manager
Private Rental	Emergency Barrier Berm Project Pelican Island, LA	Project Manager
W912BU-09-C-0046 2,700,000 cubic yards $23,623,070.00	Long Beach Island-Harvey Cedars, NJ Philadelphia District Beachfill	Project Manager
W912DS-09-C-0009 133,525 cubic yards $1,481,955.00	Sandy Hook Channel New York Harbor, NY	Project Manager
W912BU-08-C-0042 950,000 cubic yards $8,505,000.00	Dewey Beach, Delaware Beachfill Philadelphia District	Project Manager
W912HN-08-C-0037 650,000 cubic yards $6,802,000.00	Dare County, NC Oregon Inlet Wilmington District	Project Manager

WORK EXPERIENCE: (Cont'd)

Contract Number/ Cubic Yards/ Total Contract Amount	Contract Name/Corps District	Position
Private 845,000 cubic yards $8,386,850.00	Isle of Palms, SC Beach Restoration	Project Manager
W912BU-07-C-0017 3,437,200 cubic yards $21,290,915.00	Bethany Beach & S. Bethany Beach,DE - Beachfill Philadelphia District	Project Manager
Private 70,000 cubic yards $430,500.00	Middlesex Beach, DE Beachfill	Project Manager
Private 350,000 cubic yards $2,152,500.00	Sea Colony Beach, DE Beachfill	Project Manager
W912HP-05-C-0003 2,338,000 cubic yards $12,115,200.00	Folly Beach Beachfill Charleston District	Project Manager
Private 4,615,572 cubic yards $18,600,937.40	APM Terminals Maintenance	Project Manager
Private 1,006,000 cubic yards $9,888,470.00	Bogue Inlet, NC Erosion Response Project	Project Manager
W912PM-04-C-0015 906,000 cubic yards $4,630,400.00	Oregon Inlet, NC Maintenance Wilmington District	Project Manager
DACW61-03-C-0014 600,000 cubic yards $8,859,000.00	Ocean City, New Jersey Maintenance, Philadelphia District	Project Manager
DACW54-03-C-0015 Rental $4,485,975.00	Oregon Inlet Maintenance, Wilmington District	Project Manager
Private 833,000 cubic yards $3,985,475.00	Stump Pass, Port Charlotte, FL Maintenance	Project Manager

WORK EXPERIENCE: (Cont'd)

Contract Number/

Cubic Yards/ Total Contract Amount	Contract Name/Corps District	Position
	Poplar Island Maintenance Baltimore District	Operations Manager Clamshell Group
DACW31-02-C-0005 4,600,000 cubic yards $23,500,000.00	Baltimore Harbor Channel New Work, Baltimore District	Operations Manager Clamshell Group
DACW17-00-C-0029 633,833 cubic yards $8,517,487.90	St. Petersburg Harbor Maintenance, Jacksonville District	Operations Manager Clamshell Group
	Little Creek Naval Base Maintenance US Navy	Operations Manager Clamshell Group
	KVK 4A New Work New York District	Operations Manager Clamshell Group
	World Trade Center Emergency Dredging New York District	Operations Manager Clamshell Group
	Red Hook Maintenance New York District	Operations Manager Clamshell Group
	NY, NJ Port Authority Maintenance	Project Manager/ Operations Manager

RICHARD JAMES
Weeks Marine, Inc.
304 Gaille Drive
Innwoods Business Park
Covington, LA 70433

SUMMARY:

1996 – Present - Weeks Marine, Inc. – Superintendent/Project Manager/ CQC Manager/Assistant Project Manager/QC Representative

Responsible for the Contract performance. Overall supervision of all contract aspects, dredge and engineering personnel and subcontractors. Resolves any problem that cannot be resolved on the project by the Quality Control System Manager and his staff. Has the authority to sign the daily quality control reports.

QC Manager

Duties:
-Review of contract plans, specifications and contract requirements to insure proper implementation of methods for project Quality Control.
-Project QC oversight to ensure contract compliance for all definable features of work including but not limited to hydrographic surveys, dredge location control, daily reports, three-phase QC meeting implementation, water quality monitoring and reporting, safety compliance, inspection, and deficiency tracking in QCS.
-Knowledge and understanding of basic survey data acquisition and post data processing and ability to analyze the processed data. Understand GPS, Heave and Swell compensator, Hypack, and automated tide gauge systems.
-Familiar with dredging and disposal operations for hopper, pipeline or clamshell dredges.
-Familiar with DQM (Silent Inspector) system for hopper dredges including system components for data acquisition, raw data forwarding methods, raw data parsing, data review and analysis.

1995 – 1996 - Weeks Marine, Inc, - Corporate Safety Director

1994 – 1995 - Weeks Marine, Inc. - Administrative Coordinator

2/1993 – 11/1993 - Bean/Weeks J.V. – CQC Representative

1991 – 1993 - Suburban Propane – Manager – Business Development

1985 – 1991 - Petrolane Gas Service – Area Manager/District Manager

1975 – 1985 - Pyrofax Gas Corporation – Branch Manager/Service Manager/Serviceman

EDUCATION:

August 13, 2009	-	Completed the U. S. Corps of Engineers Construction Quality Management for Contractors course
1987	-	Stockton State College B. S. in Business Administration
1970	-	Graduate – Cumberland County College, A.S. in Accounting

WORK EXPERIENCE:

Contract Number/ Cubic Yards/ Total Contract Amount	Contract Name/Corps District	Position
W912EP-12-C-0021 453,000 cubic yards $6,383,250.00	Jacksonville Harbor Maintenance Dredging Jacksonville District	Project Manager Quality Control Manager
W912BU-12-C-0046 300,000 cubic yards $7,739,650.00	Cape May, New Jersey Beachfill Philadelphia District	Project Manager Quality Control Manager
W912HP-12-C-0002 1,320,000 cubic yards $6,890,000.00	Lower Charleston Harbor & Wando Charleston District	Project Manager Quality Control Inspector
W912DS-12-C-0002 400,545 cubic yards $6,450,283.75	Sandy Hook Channel Maintenance Dredging New York District	Project Manager
W912DS-11-C-0024 809,000 cubic yards $12,913,250.00	Monmouth Beach, NJ Beach Renourishment New York District	Quality Control Manager
W912BU-11-C-0010 321,000 cubic yards $4,144,165.00	Long Beach Island – Surf City Philadelphia District Beachfill	Quality Control Manager
W912HP-11-C-0002 1,530,000 cubic yards $6,170,250.00	Charleston Harbor, SC Maintenance Dredging Charleston District	Project Manager

WORK EXPERIENCE: (Cont'd)

Contract Number/ Cubic Yards/ Total Contract Amount	Contract Name/Corps District	Position
N40085-10-C-7213 495,290 cubic yards $5,838,058.50	Little Creek, VA Bucket Dredging	Project Manager
Private Rental	Emergency Barrier Berm Project Pelican Island, LA	Project Manager Quality Control Manager
W912BU-09-C-0046 2,700,000 cubic yards $23,623,070.00	Long Beach Island, NJ Harvey Cedars Philadelphia District, Beachfill	Quality Control Manager
W912DS-09-C-0009 133,525 cubic yards $1,481,955.00	Sandy Hook Channel New York Harbor, NY	Project Manager
W912BU-08-C-0042 950,000 cubic yards $8,505,000.00	Dewey Beach, Delaware Beachfill Philadelphia District	Project Manager Alt CQC Manager
W912DS-08-C-0023 960,000 cubic yards $12,050,350.00	Long Branch, NJ Beach Erosion Control New York District	Project Manager Alt. CQC Manager
Private 4,687,000 cubic yards $42,627,300.00	Seagirt & Dundalk Baltimore, MD	Project Manager
W912BU-06-C-0022 729,000 cubic yards $4,768,350.00	Upper Chesapeake Maintenance Philadelphia District	Project Manager
W912EP-05-C-0021 1,950,000 cubic yards $10,671,100.00	Canaveral, FL Multi-Year Maintenance Dredging Jacksonville District	Project Manager CQC Manager

WORK EXPERIENCE: (Cont'd)

Contract Number/ Cubic Yards/ Total Contract Amount	Contract Name/Corps District	Position
W912DR-05-C-0032 3,011,700 cubic yards $21,629,280.00	Baltimore Harbor Maintenance	Alternate CQC Systems Manager
W912EP-05-C-0021 1,950,000 cubic yards $10,671,100.00	Canaveral, FL Multi-Year Maintenance Dredging Jacksonville District	Project Manager CQC Manager
W912BU-04-C-0019 2,018,100 cubic yards $12,778,106.20	Cape May, NJ Maintenance Norfolk District	CQC Systems Manager
DACW31-03-C-0047 1,731,500 cubic yards $10,213,750.00	Baltimore Harbor & Channels Maintenance, Baltimore District	Superintendent/ Project Supervisor
DACW31-02-C-0005 2,329,620 cubic yards $22,309,258.50	Baltimore Harbor Channel Maintenance, Baltimore District	Superintendent/ Project Supervisor
DACW31-02-C-0052 191,026 cubic yards	Poplar Island	Superintendent/ Project Supervisor
Private Rock $3,334,000.00	Hillsboro Inlet, FL Dredging Rock, Jacksonville District	Asst. Project Manager
Private 445,500 cubic yards $4,000,000.00	Jaxport New Work	Asst. Project Manager
Private 2,005,000 cubic yards $7,776.750.00	So. Amelia Island, FL Beach Renourishment, Jacksonville District	CQC Manager
DACW54-02-C-0002 1,446,000 cubic yards $3,879,080.00	Wrightsville & Masonboro Beaches, Maintenance and Beach Renourishment, Wilmington District	CQC Manager

WORK EXPERIENCE: (Cont'd)

Contract Number/ Cubic Yards/ Total Contract Amount	Contract Name/Corps District	Position
DACW61-02-C-0018 133,677 cubic yards $889,604.90	Fairless Turning Basin, Maintenance, Philadelphia District	CQC Manager
DACW51-99-C-0023 3,100,000 cubic yards	Asbury to Manasquan Beach Erosion Control New York District	CQC Manager
DACW51-98-C-0079 4,000,000 cubic yards	Atlantic Coast of NJ Beach Erosion Control New York District	CQC Manager
DACW51-94-C-0008 5,000,000 cubic yards	Atlantic Coast of NJ Beach Erosion Control New York District	CQC Representative
DACW31-93-C-0110 2.3 million cubic yards $10,000,000.00	Baltimore Harbor & Channels Maintenance Baltimore District	CQC Representative
DACW29-93-C-0028 10.8 million cubic yards $7,300.000.00	Mississippi River Gulf Outlet Maintenance, New Orleans District	CQC Representative
Private 2.7 million cubic yards $5,000,000.00	Longboat Key, Beach Restoration	CQC Representative

E. DEAN ROBINSON
Weeks Marine, Inc.
304 Gaille Drive
Innwoods Business Park
Covington, LA 70433

SUMMARY:

5/1998 - Present - Weeks Marine, Inc. – Project Superintendent/Project Manager/ CQC System Manager

Responsible for the Contract performance. Resolves any problem that cannot be resolved on the project by the Quality Control System Manager and his staff. Has the authority to sign the daily quality control reports. Overall supervision of all contract aspects, dredge and engineering personnel and subcontractors.

Project Manager/General Superintendent/Contractor Quality Control Manager on projects in Norfolk, Galveston, Jacksonville, Philadelphia, Mobile, Savannah, New York and Wilmington Districts. Experience in land surveying, hydrographic surveying, quality control management and reporting.

1984 - 1998 - Gulf Coast Trailing Company, Project Manager

Began as a field engineer learning hydrograhic surveying, procuring supplies for the dredges and preparing reports for the U. S. Army Corps of Engineers and record keeping. Worked as project manager in charge of dredging and beach renourishment on projects for both the U. S. Army Corps of Engineers and private interest.

Responsible for all aspects of the job including accuracy of surveys, dredge production, supervision of any subcontractors, and coordination of the project with local and federal environmental agencies and other concerned groups. Worked closely with the government contracting officer or private concern to ensure properly managed operations with profitable results for the company and a successful, on time, job completion for the clients.

1983 – 1984 - Hose Weaver and Sons, Crane Operator/Field Engineer

Worked on the construction of a small bridge over Big Creek Lake, Mobile.

Responsibilities included both layout work for the bridge and the operation of a truck crane for lifting, concrete pours, etc.

SUMMARY: (Cont'd)

1975 – 1982 - Brown & Root Construction Company, Field Engineer/Foreman

Began as a field engineer responsible for line and grade on the I-10 bridge over Mobile Bay. Worked as a field engineer, party chief for the engineers, boat operator, crane operator and in addition was the resident diver for piling and footing inspection, tool recovery, etc. Worked as a foreman of the floating batch plant on the Dauphin Island bridge in charge of the grading and alignment of the piling "caps" and also any concrete pours on the project.

1974 – 1975 - Byrd Surveying, Instrument Man

Worked on a survey crew doing lot surveys and boundary location on larger parcels of land.

EDUCATION:

June 2007 - Completed the U. S. Corps of Engineers Construction Quality Management for Contractors course.

1968 – 1971 - Attended University of South Alabama

May 1968 - Graduated from Davidson High School

WORK EXPERIENCE:

Contract Number/ Cubic Yards/ Total Contract Amount	Contract Name/Corps District	Position
W91278-11-D-0023 Rental	IDIQ Cutterhead Pipeline Dredge Maintenance Dredging Mobile Bay	Project Manager
Private 1,200,000 cubic yards $11,550,000.00	Beach Restoration Project 2011 Jupiter Island Beach, Martin County, FL	Project Manager
W912DS-12-C-0002 400,545 cubic yards $6,450,283.75	Sandy Hook Channel Maintenance Dredging New York District	Project Manager
W912DS-11-C-0024 809,000 cubic yards $12,913,250.00	Monmouth Beach, NJ Beach Renourishment New York District	Project Manager

WORK EXPERIENCE: (Cont'd)

Contract Number/ Cubic Yards/ Total Contract Amount	Contract Name/Corps District	Position
W91236-11-C-0027 2,148,000 cubic yards $9,404,000.00	Cape Henry Channel Maintenance Dredging Norfolk District	Project Manager
W912HY-10-C-0025 2,809,000 cubic yards $2,716,600.00	Sabine Pass Outer Bar Hopper Dredging	Project Manager
Private 140,000 cubic yards $1,610,000.00	Destin Beach, FL Beach Restoration	Project Manager
Private Rental	Emergency Barrier Berm Project Pelican Island, LA	Project Manager
W912HY-10-C-0009 2,559,000 cubic yards $16,934,750.00	Brownsville Ship Channel Pipeline Dredging	Project Manager
Private 916,192 cubic yards $9,037,107.00	Juno Beach, FL Shore Protection	Project Manager
W912BU-09-C-0055 1,846,500 cubic yards $15,464,575.00	Baltimore Harbor Maintenance Dredging	Project Manager
W912HN-09-C-0023 793,000 cubic yards $2,725,600.00	Morehead Inner City Harbor Maintenance Dredging Wilmington District	Project Manager
Private 1,821,100 cubic yards $22,737,520.00	Fire Island Beaches, NY Beach Renourishment	Project Manager
W91278-08-C-0031 653,864 cubic yards $8,120,174.00	Mobile Harbor Channel Ext. Maintenance Dredging Mobile District	Project Manager
W912EP-08-C-0007 80,000 cubic yards $4,405,900.00	Captiva Island Beach Renourisment Beachfill Jacksonville District	Project Manager

WORK EXPERIENCE: (Cont'd)

Contract Number/ Cubic Yards/ Total Contract Amount	Contract Name/Corps District	Position
W912EP-07-C-0015 339,541 cubic yards $3,278,500.25	Jacksonville Harbor Maintenance Dredging	Project Manager
W912BU-06-C-0018 4,561,600 cubic yards $31,126,090.00	Long Beach Island, NJ Beach fill Philadelphia District	Project Manager
W912EP-05-C-0021 1,950,000 cubic yards $10,671,100.00	Canaveral, FL Beach Fill Jacksonville District	Project Manager
Private $11,224,500.00 1,000,000 cubic yards	Gasparilla Beach, FL	Project Manager
Private 2,400,000 cubic yards $13,639,805.00	Navarre Beach, FL Beach Renourishment	Project Manager
W91278-05-D-0012 Rental $29,563,000.00	Bay County Florida Beaches Renourishment Mobile District	Project Manager
Private 2,300,000 cubic yards $10,281,000.00	Pensacola Beach Fill	Project Manager
W912EP-05-C-0005 1,598,000 cubic yards $15,891,100.00	Brevard County Beach Renourishment Jacksonville District	Project Manager
AMEC 288,960 cubic yards $3,135,700.00	Patrick ABF Beach Renourishment	Project Manager
W912HN-05-C-0002 835,000 cubic yards $2,257,000.00	Savannah/Brunswick Harbor Maintenance Savannah District	Project Manager
W912BU-04-C-0019 2,018,100 cubic yards $12,778,106.20	Cape May, NJ Maintenance	Project Manager Alt. CQC Systems Manager

WORK EXPERIENCE: (Cont'd)

Contract Number/ Cubic Yards/ Total Contract Amount	Contract Name/Corps District	Position
Private 4,615,572 cubic yards $18,600,937.40	APM Terminals Maintenance	Project Manager
State of Louisiana (TE-40) 3,600,000 cubic yards $10,797,875.00	Timbalier Island Dune/Marsh Restoration	Project Manager
W912EP-04-C-0022 225,000 cubic yards $1,207,790.00	Ft. Pierce Beach Nourishment Jacksonville District	Alternate CQC Systems Manager/Project Manager
Private 41,500 cubic yards $868,750.00	Cape Cod Canal Maintenance	Project Manager
DACW51-03-C-0029 1,060,000 cubic yards $6,567,000.00	East Rockaway Inlet Hurricane Protection, New York District	CQC Systems Manager
DACW65-03-C-0054 1,380,800 cubic yards $2,920,176.00	Thimble Shoal Channel New Work, Norfolk District	Project Superintendent/ CQC Systems Manager
DACW01-03-C-0023 1,197,627 cubic yards $6,403,135.00	Mobile River Sumps Maintenance Mobile District	CQC Systems Manager
DACW65-02-C-0049 2,000,000 cubic yards $9,500,000.00	Sandbridge Beach, VA Maintenance Norfolk District	Project Manager
Private 120,000 cubic yards $1,592,655.00	Assateague State Maintenance	Project Manager
DACW31-01-C-0067 1,800,000 cubic yards $9,875,000.00	Assateague Island Beach Renourishment Baltimore District	Project Manager
DACW31-02-C-0016 711,790 cubic yards $4,559,666.00	Ocean City Beach, MD Beach Renourishment, Baltimore District	Project Manager

WORK EXPERIENCE: (Cont'd)

Contract Number/ Cubic Yards/ Total Contract Amount	Contract Name/Corps District	Position
DACW65-01-C-0034 3,060,000 cubic yards $22,629,550.49	Virginia Beach, Beach Renourishment Norfolk District	Project Manager
DACW17-01-C-0005 562,000 cubic yards $2,757,905.01	Hutchinson Island, Beach Renourishment, Jacksonville District	Project Manager
DACW21-01-C-0002 1,775,000 cubic yards $3,734,600.00	Savannah & Brunswick Harbors Maintenance, Savannah District	Project Manager
DACW51-00-C-0030 987,000 cubic yards $1,573,996.71	Westhampton Beach Beach Restoration, New York District	Project Manager
DACW51-99-C-0023 3,112,000 cubic yards $24,212,028.00	North Asbury Beach Beach Renourishment, New York District	Project Manager

JOSÉ RIVERA
Weeks Marine, Inc.
304 Gaille Drive
Innwoods Business Park
Covington, LA 70433

SUMMARY:

7/2006 – present - Weeks Marine, Inc. – Project Manager
1999 – 2004

Responsible for the Contract performance. Resolves any problem that cannot be resolved on the project by the Quality Control System Manager and his staff. Has the authority to sign the daily quality control reports. Overall supervision of all contract aspects, dredge and engineering personnel and subcontractors.

Project Manager/General Superintendent/Contractor Quality Control Manager on projects in Vicksburg, Galveston, Philadelphia, New Orleans, New York Districts. Experience in land surveying, hydrographic surveying, quality control management and reporting.

1997 – 1999 - Ismael Gonzales Construction Co., Caguas, PR – Project Manager, Carraizo Lake Dike Construction

1995 – 1997 - Bella Vista Development Group, Belize City, Belize – Assistant General Manager

1991 – 1995 - U. S. Military Liaison Office, Belize - Chief

1989 – 1991 - Joint Committee for the Implementation of the Panama Canal Treaty, Southern Command, Panama – Executive Officer

1987 – 1989 - Latin American Editions of Military Revue, Fort Leavenworth, KS - Chief Editor

1983 – 1985 - U. S. Military Group, Buenos Aires, Argentina – Army Section Chief

1981 – 1982 - Peruvian Army Logistical School, Lima, Peru – Instructor

1980 – 1981 - 18th Airborne Corps, Fort Bragg, NC – Corps Material Maintenance Officer

1979 – 1980 - 2nd Battalion, 4th Air Defense Artillery Brigade, Korea – Battalion Logistical Officer

1977 – 1979 - 782nd Maintenance Battalion, 82nd Airborne Division, Fort Bragg, NC – Production Control Officer, E Company

EDUCATION:

May 31, 2009	-	Completed the U. S. Corps of Engineers Construction Quality Management for Contractors course.
1987 – 1988	-	Command and General Staff School, Peruvian Armed Forces, Lima, Peru
1983	-	Security Assistance Officer Course, Defense Institute for Security Assistance Management, Dayton, Wright-Patterson AFB, Dayton, OH
1980	-	U. S. Army Ordnance Officer Advance Course, Redstone Arsenal, AL
1978	-	Load Master Course and Jump Master Course, Ft. Bragg, NC
1976	-	Basic Ordnance Officer Course, Aberdeen Proving Grounds, Missile Maintenance Course, Redstone Arsenal, AL, Airborne School, Ft. Benning, GA
1975	-	U. S. Army Officer Candidate School, Ft. Benning, GA
1974	-	U. S. Army Primary Leadership Course, Fort Carson, CO.
1973	-	U. S. Army Armor Combat Arms Course, Ft. Knox, Kentucky
1971 – 1973	-	Puerto Rico A&M, Mayaguez, P.R., Agro-Mechanical Techology, BSA
1968 – 1969	-	U. S. Army Missile Command, Redstone Arsenal, AL, Missile Maintenance Technician
1965 – 1968	-	Puerto Rico A&M, Mayaguez, P.R., Chemical Engineering

WORK EXPERIENCE:

Contract Number/ Cubic Yards/ Total Contract Amount	Contract Name/Corps District	Position
W912HY-10-C-0016 1,970,000 cubic yards $58,509,050.00	HSC – PA 14 &15 with dredging Bayport to Morgans Galveston District	Project Manager
Private 150,000 cubic yards $1,796,845.00	Texas City Docks Texas City, TX	Project Manager

WORK EXPERIENCE: (Cont.)

Contract Number/ Cubic Yards/ Total Contract Amount	Contract Name/Corps District	Position
W912HY-10-C-0004 3,900,000 cubic yards $61,810,000.00	Texas City Channel, Texas New Work/Maintenance Dredging Galveston District	Project Manager
W912P8-09-C-0069 6,610,000 cubic yards $47,762,500.00	Calcasieu River Channel Maintenance Dredging	Project Manager
W912HY-09-C-0004 1,458,900 cubic yards $7,519,330.00	HSC – Carpenters to Greens Bayou Pipeline Dredging Galveston District	Project Manager
W912HY-09-C-0008 1,345,000 cubic yards $7,191,250.00	GIWW – Rollover to Galveston Emergency Pipeline Dredging Galveston District	Project Manager/ QC Manager
W912HY-08-C-0033 2,027,000 cubic yards $10,500,700.00	Bayport Ship Channel, Bayport Flare Pipeline Dredging-Galveston District	Project Manager/ QC Manager
Private 400,000 cubic yards $4,850,000.00	Bolivar Ferry Landing Emergency Dredging Port Bolivar, TX	Project Manager
Private 3,008,700 cubic yards $12,550.729.00	Goose Point/Point Platte Marsh Creation	Project Manager
W912HY-08-C-0007 1,713,000 cubic yards $4,421,500.00	Sabine Pass Channel Pipeline Dredging and Beach Placement Galveston District	Project Manager/ Alt.CQC Man.
W912HY-06-C-0041 684,000 cubic yards $6,933,000.00	HSC – Barbour's Cut & Spilman Island Pipeline Dredging and Levee Construction Galveston District	Project Manager
W912HY-06-C-0036 4,215,000 cubic yards $16,923,410.00	HSC – Redfish to Morgan's Point	Project Manager
Private 5,500,000 cubic meters $15,110,975.00	Ponce, Puerto Rico	Project Manager

WORK EXPERIENCE: (Cont.)

Contract Number/ Cubic Yards/ Total Contract Amount	Contract Name/Corps District	Position
DACW38-03-C-0032 7,199,670 cubic yards $28,317,609.00	Mississippi River Levees Maintenance, Vicksburg District	Project Manager
DACW64-01-C-0030 20,953,232 cubic yards $94,971,024.05	Houston-Galveston Navigation Channel, New Work Galveston District	Project Manager
DACW61-01-C-0014 $1,338,108.00	Schulykill River, Maintenance, Philadelphia District	Project Manager
	Eatons Neck, NY	Project Manager
	Woodrow Wilson Bridge Project	Project Manager
	Carraizo Lake Dredging Project	Project Manager

RUSSELL C. BAER, CHMM, LSRP
Remediation Lead
Matrix New World Engineering, Inc.

Professional Qualifications

Mr. Baer has over 24 years of experience in the environmental field with extensive experience in performing environmental assessments at a wide range of commercial/industrial/governmental facilities, identifying environmental liabilities associated with property transfers and site development, potentially contaminated areas of concern, and determining compliance with environmental, health and safety regulations. Mr. Baer has performed hundreds of environmental compliance and property transfer assessments in 25 states and Canada. Mr. Baer was Lead Environmental Auditor for multi-state corporate transactions and multi-site property transfer assessments. Mr. Baer has also managed underground storage tank (UST) closure projects, site investigation/remedial investigation projects, remediation projects, and projects under the New Jersey Industrial Site Recovery Act (ISRA), formerly the Environmental Cleanup Responsibility Act (ECRA). Additional responsibilities included providing regulatory advice, preparing regulatory submissions, preparing various types of environmental permits, preparing stormwater pollution prevention plans, conducting asbestos surveys, preparing asbestos management plans and conducting hazardous materials inventories. Mr. Baer is also familiar with wetlands delineation and permit requirements, New Jersey Pollutant Discharge Elimination System (NJPDES) regulations; and a wide range of other state and federal regulations. Mr. Baer previously served with the New Jersey Department of Environmental Protection (NJDEP) Division of Water Resources, where he was a case manager for groundwater water investigation/remediation projects and enforced NJPDES regulations.

Education

BS, Biology (Minor: History), Pennsylvania State University, 1988

Professional Registrations and Certifications

Licensed Site Remediation Professional (License No. 537114), 2010
Certified Hazardous Materials Manager – Master Level (Cert. No. 12604), 2004
ANSI-RAB NAP Accreditation Program-Lead Environmental Management System Auditor, 2003
NJDEP, UST Certification No. 0002021, Subsurface Evaluation, 1992
Certified Environmental Auditor, National Registry of Environmental Professionals (Cert. No CEA 2148), 1992
Certified New York/AHERA Asbestos Inspector, 1995
Certified New York/AHERA Management Planner, 1998
Certified AHERA Asbestos Project Designer, 1998
New York City Asbestos Investigator, 2003
EPA/NY Certified Lead Inspector/Risk Assessor, 2004
New Jersey Certified Lead Inspector/Risk Assessor, 2004
10-Hours OSHA Construction Safety and Health, 2010
40-Hour Hazardous Waste Site Training Course, OSHA 29 CFR 1910.120(e)(3), Rutgers University, 1988
8-Hour Hazardous Waste Site Supervisor Course, Roy F. Weston, Inc., 1999
8-Hour Hazardous Waste Refresher Course, OSHA 29 CFR 1910.120(e)(8), 2010
Confined Space Entry, 2001 and 2008
Metro-North Railroad – Roadway Worker Procedures, 2011
NJ Transit – Railway Worker Safety Training, 2011
MTA/New York City Transit – Track Safety Certification, 2011
Port Authority Transit Corporation – Railway Worker Safety Training, 2003

Professional Affiliations

Alliance of Hazardous Materials Professionals
Licensed Site Remediation Professional Association

Professional Experience

New Jersey Turnpike Authority (NJTP), Delaware River Bridge Security Enhancements, Burlington, Burlington County, NJ – Senior Project Manager responsible for ecological, environmental permitting and site investigation services

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Remediation Lead
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associated with the NJTP's proposed security enhancement of Delaware River Bridge located at the eastern end of the NJTP's Delaware River Bridge in the Township of Burlington, NJ. The proposed security enhancements to the Authority's bridge over the Delaware River project include security enhancements of the piers located near the eastern bank and minor modifications to existing county road at the project location. Conducted site investigation activities to determine the impact of historic fill materials on the site and prepared a materials management plan (MMP) to direct the contractor with regard to the proper management of contaminated materials. The project is being conducted as a Linear Construction Project (LCP) under the Site Remediation Reform Act (SRRA).

Former Unidynamics Facility, Roseland, NJ – Licensed Site Remediation Professional (LSRP) for the investigation and remediation of the Former Unidynamics Facility located in Roseland, New Jersey. Contaminants of concern associated with the site include trichloroethylene (TCE) and tetrachloroethylene (PCE). Specific activities include a vapor intrusion investigation of the existing facility, remedial investigation of on-site areas of concern and groundwater, determining a site-specific impact to groundwater soil cleanup standard for contaminated soils, and development of a cleanup plan for both soils and groundwater.

Dalor LLC/Commercial Trailer Leasing, Inc. North Bergen, NJ – Licensed Site Remediation Professional (LSRP) for the investigation of an existing trucking facility located in North Bergen, New Jersey. Specific activities include a vapor intrusion investigation of the existing facility, update of the previous Preliminary Assessment Report (PAR), investigation of additional areas of concern identified in the PAR, and completion of a remedial investigation of existing on-site areas of concern and groundwater.

101 Okner Parkway, Township of Livingston, NJ - Licensed Site Remediation Professional (LSRP) responsible for the investigation of a former electronic component manufacturing facility currently owned by the Township of Livingston for use as athletic field. Specific investigation activities include a file review and site reconnaissance to determine potential areas of concern on the property. In addition, an investigation workplan is being prepared to determine if TCE and PCE are present in soil and shallow groundwater at the site that may impact the deeper aquifer and nearby Township water supply wells.

NJ Transit, Lackawanna Cut-Off Project, Sussex and Morris Counties, NJ – Senior Project Manager for the performance of a Preliminary Assessment (PA) and Environmental Site Investigation (ESI) for the Lackawanna Cutoff Project. The Project Area occupies an 8.5 mile abandoned rail corridor running from the Port Morris Rail Yard in Roxbury Township north through Byram Township and ending in the Borough of Andover. Proposed construction activities will include a passenger rail line along the existing abandoned Erie-Lackawanna rail bed, one station, and at-grade crossings. PA and ESI activities were conducted in accordance with NJDEP's Technical Requirements for Site Remediation, N.J.A.C. 7:26E.

NJ Transit, Accessibility Improvements, Perth Amboy Railroad Station, Perth Amboy, NJ – Senior Project Manager responsible for the performance of hazardous materials surveys and preparation of a comprehensive survey report and design documents associated with the proposed renovation of the Perth Amboy Railroad Station. The station is being renovated by NJ Transit to meet the Americans with Disabilities Act (ADA) requirements.

Port Authority of New York & New Jersey, North Avenue Corridor Improvement Project, City of Elizabeth, NJ – Senior Project Manager responsible for pre-construction environmental investigations to identify potential areas of contaminated materials and hazardous waste that may impact project design and construction along the proposed North Avenue Corridor. The scope of work for this project included the completion of a Phase I Environmental Site Assessment (ESA) for all impacted properties along the proposed project Corridor to identify recognized environmental conditions (RECs)/Areas of Concern (AOCs), development of a plan for a Phase II Site Investigation to characterize of soil and groundwater conditions, and review of environmental documentation to determine the environmental resource permitting requirements related to wetlands.

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Remediation Lead
Matrix New World Engineering, Inc.

Port Authority of NY and NJ (PANY&NJ), Corbin Street Bridge (Flyover), Port Newark, NJ - Senior Project Manager responsible for providing environmental services related to the proposed construction of the Corbin Street Bridge ("Flyover") in Port Newark. Responsible for the preparation of a comprehensive Sampling and Analysis Plan (SAP) to be utilized by PANY&NJ personnel to perform environmental site investigation (ESI) activities in those areas to be impacted as part proposed construction activities. Following investigation activities, an ESI Report was prepared by Matrix for submittal to the NJDEP. Additional responsibilities included the coordination and preparation of all environmental permits required for the project (e.g., Freshwater Wetlands, Waterfront Development) and preparation of design specifications.

NJ Transit, Trans-Hudson-Express Tunnel, NJ/NY – Senior Project Manager responsible for the performance of environmental investigation activities as part of Preliminary Engineering (PE) and Final Engineering (FE) services for the Trans-Hudson-Express Tunnel project, which proposed to expand commuter rail operations as part of the Access to the Regions Core (ARC) project. The scope of services under PE and FE included the loop tracks, Northeast Corridor improvements, alignment approaches to the tunnels, ventilation facilities, the tunnels, maintenance and storage yards, signal systems, the 34th Street Station and power supply. Specific work under conducted under PE included the preparation of Sampling and Analysis Plans, performance of environmental site investigation activities at specific contaminated sites within the project area, preparation of preliminary assessment reports, Phase I Environmental Assessment Reports, site investigation reports and Property Acquisition Environmental Cost Estimating (PAECE) Reports for properties to be acquired for the project. Additional services included environmental oversight and the collection and analysis of environmental samples along the entire proposed alignment. The scope of services under FE included the performance of site investigation and remedial investigation activities at impacted sites, completion of hazardous materials surveys at structures to be impacted by construction activities, and preparation of Remedial Action Work Plans for the various contract packages associated with the project.

NJ Transit, Access to the Regions Core, NY/NJ - Senior Project Manager responsible for the preparation of the hazardous materials sections of environmental impact (EIS) statement for this project which proposed to expand Trans-Hudson rail service to midtown Manhattan. The primary project study area was a complex corridor both from a demographic and infrastructure standpoint. The initial study area was 17 route miles and was bounded by Newark and Sunnyside Yard in Queens and included NJ TRANSIT rail stations at Newark Liberty International Airport Station, Newark Penn Station, Newark Broad Street Station, Hoboken and Penn Station New York. It also encompassed the Portal Bridge over the Hackensack River, Secaucus Junction, and midtown Manhattan. Specific work conducted during the EIS process included the preparation of a methodology report for hazardous materials, performance of a Phase I Environmental Site Assessment (ESA)/Preliminary Assessment (PA) along the entire project corridor, preparation of the hazardous materials sections of the Draft EIS, Supplemental Draft EIS, and Final EIS, and preparation of a detailed due diligence report for the proposed rail yard on the former Koppers Coke Site located in Kearny, NJ.

New York City Transit Authority, Second Avenue Subway, NY, NY – Senior Project Manager responsible for providing environmental investigation work at numerous buildings between 63rd Street and 105th Street along the proposed Second Avenue Subway alignment. Each location will be acquired for the construction of ventilation facilities or other construction related functions, or will be used as entrances to the stations. Specific environmental services include the performance of Phase I Environmental Site Assessments, hazardous materials surveys, and Phase II Environmental Site Investigation activities at all locations. Additional services include the preparation of design documents for the abatement of hazardous materials which may be impacted during construction.

BRANDON FAUSTINI
Natural Resource Advisor
Matrix New World Engineering, Inc.

Professional Qualifications

Mr. Faustini is a Biologist with experience in the environmental industry. Mr. Faustini has been involved in the capacity as managing, supervising, and working as a field biologist with the BP Environmental Unit MC252 Oil Spill. His experience provides a working knowledge of coastal habitat conditions and indicators as well as MBTA and ESA compliance measures. Mr. Faustini has facilitated in the cooperation between private and public stakeholders involved in both the Comprehensive Everglades Restoration project and the MC252 Oil Spill Response.

Education

BS, Biology, Concentration in Environmental Studies, Florida Atlantic University, 2010

Professional Experience

MC252 Deepwater Horizon Spill Response, Gulf of Mexico, Natural Resource Advisor Program Manager, New Orleans, LA - As Natural Resource Advisor (NRA) Program Manager, Mr. Faustini was responsible for managing NRA Teams in Plaquemines, Jefferson, LaFourche, and Terrebonne parishes in LA as well as teams in Gulfport, MS, and Dauphine Island, AL totaling up to 25 field biologists. Duties included assistance in the development of GIS mapping and viewing tools involving shorebird nesting season, participation in the development of the 2012 Guidance for Avoidance and Minimizing Disturbance of Nesting Birds near Deepwater Horizon MC252 Shoreline Cleanup Areas document, facilitation of monthly meetings and weekly conference calls between all program supervisors and USFWS section 7 support personnel, collaboration with team leads on staffing levels and implementation of state and federal directives, as well as maintaining databases, safety protocols, and employee timesheets. Mr. Faustini also acted as liaison between state, federal, and private response personnel. In addition, Mr. Faustini was also involved in the assessment and data collection for possible restoration projects concerning *spartina alterniflora* growth and resilience in Pass a Loutre, LA Wildlife Management Areas.

MC252 Deepwater Horizon Spill Response, Gulf of Mexico, Natural Resource Advisor Team Lead, Grand Isle, LA – Natural Resource Advisor (NRA) Team Lead responsible for managing the NRA team in LaFourche, Jefferson, and Terrebone Parishes. As NRA Team Lead, Mr. Faustini served as liaison between Program Manager and NRAs to distribute program directives and request guidance and resources for NRAs. NRA Team Lead responsibilities include managing daily compliance issues between cleanup operations, United States Coast Guard (USCG) and United States Fish and Wildlife Service (USFWS), tracking progress of operations for each Shoreline Treatment Recommendation (STR), attended daily meetings, reviewed reports submitted by team and compiled 214, reviewed BMP checklists submitted by NRAs, developed and maintained work schedule and field assignments, and provided ongoing training and distribute materials to NRAs.

MC252 Deepwater Horizon Spill Response, Gulf of Mexico, Natural Resource Advisor, Destin, FL – NRA responsible for providing environmental contractor oversight during cleanup, reconnaissance, and recovery of oil and oiled debris from beaches and state parks along Florida's Gulf Coast. As an NRA, Mr. Faustini was responsible for implementing required BMPs, as provided by the USFWS and Florida Department of Environmental Protection in accordance with the Endangered Species Act and other applicable laws. NRAs implemented BMPs to ensure contractor cleanup can take place, while having the least impact to natural resources, as well as resident and migratory wildlife. NRAs also conducted threatened and endangered species surveys, educated the public on the goals of the NRA program, documented daily observations, prepared a daily report, and completed BMP checklists daily. Nest monitoring was a large proponent of this position as well. Mr. Faustini worked daily with Coastal Bird Conservancy researchers in monitoring 2 snowy plover nests located within workable and travel zones related to the spill. Work technicians were adjusted to minimize disturbances to precocial chicks without impeding response progress.

BRANDON FAUSTINI
Natural Resource Advisor
Matrix New World Engineering, Inc.

Field Technician/Research Coordinator, University of Florida, Big Cypress/Homestead, FL – Involvement included extensive travel and monitoring by way of airboat through wetlands of the Florida Everglades. Extensive airboat operation training and significant piloting hours were accumulated. Mr. Faustini assisted in the capture of juvenile snowy egrets within rookeries. Measurements and feather samples were collected and used for subsequent mercury level testing. Prey densities were closely monitored by way of throw traps and minnow traps.

Field Technician, Florida Atlantic University, Wading Bird Research Lab, Everglades National Park/Big Cypress, FL – Involvement in this project included monitoring seasonal concentrations of aquatic fauna in the Florida Everglades. Field sampling techniques such as throw trapping were employed as well as the use of Trimble Nomad units utilizing Archpad for data entry. Experience concluded with independent research & consequent paper involving the study of Variation in the health index (body condition) of fish as a function of hydroperiod (DSD). Species studied include marsh killifish, Florida flag fish, mosquito fish, bluefin killifish, and sailfin mollies. In addition, Aerial surveys point counts were done by way of helicopter as well as determining frequent foraging sites of great egrets and white ibis.

Professional Registrations and Certifications

40-Hour OSHA
8-Hour OSHA Refresher
Wildlife Observer Training
BP Post Emergency Spill Health and Safety Training
UTV/ATV Certification
Trimble Training
Capture and handling of avian species
Utilization of throw traps and minnow traps
Ground, boat, and aerial bird census techniques
GPS receivers (Trimble, Archer, Garmin), maps and compass
Archpad programs
Airboat and trailer operation and maintenance
Helicopter personnel/equipment transport and safety

SETH DOMANGUE
Natural Resource Advisor
Matrix New World Engineering, Inc.

Professional Qualifications

Mr. Domangue is a Geologist and Project Manager with over twelve years of experience in the environmental industry. Mr. Domangue has been involved in the capacity of project manager, project coordinator, task manager, or supervising field geologist for various projects including large scale remediation system construction, underground storage tank (UST) sites, litigation support, oilfield pit closures, oil spill assessment, and coastal restoration projects. His experience provides a working knowledge of environmental site assessments, risk-based corrective actions, hydrogeologic investigations, waste classification, remedial actions, coastal studies, ecological studies, chloride spills, and Natural Resource Damage Assessment (NRDA).

Education

B.S., Geology, Nicholls State University, Thibodaux, Louisiana, 2000

Professional Experience

MC252 Natural Resource Damage Assessment – Project Manager responsible for providing personnel and services to the State of Louisiana Office of Coastal Protection and Restoration (OCPR) in support of NRDA activities for the Mississippi Canyon 252 (MC252) Deepwater Horizon Incident and resulting oil spill. During pre-assessment, personnel, services, and logistical support were provided over a 5 month period conducting point observations and rapid mapping of the impacted shoreline (beaches and marshes) in conjunction with the federal trustee and responsible party (RP). The scope of the pre-assessment phase employed up to five independent teams working 7 days a week with management provided at various BP incident command posts (ICPs). Over 1,800 observations were conducted and over 2,500 miles of Louisiana shoreline were mapped and assessed during the process. Following pre-assessment, Mr. Domangue also managed the injury phase in support of the Coastal Vegetation Assessment to evaluate wetland plant community health in four separate habitats (mainland spartina, back barrier island spartina, delta phragmites, and coastal mangroves). Five teams have been employed (year 0 and 0.5 events) to setup and/or re-visit approximately 165 monitoring stations established from the eastern most shoreline of Louisiana (Chandeleur Islands) to the western most impacted Louisiana shoreline (Point Au Fer Island). The scope of the Coastal Vegetation Assessment was observational measurement of oiling impact, GIS surveying, above and below ground biomass sampling, contaminant sediment sampling, and various other field parameter measurements utilizing specialized equipment for the various habitats.

Litigation Support Services/Landfill Operation and Maintenance, Consolidated Aluminum Corporation/Lonza USA – Project Manager responsible for the management of the litigation support for complex litigation involving PCB/PAH/and VOC impacts to soil, groundwater, and/or sediment for a facility in Lake Charles, Louisiana. Project also involved hazardous and non-hazardous landfill litigation. Litigation has settled without trial. Post settlement activities include hazardous and non-hazardous landfill corrective action study and operation and maintenance.

Heckmann Water Resources, DeSoto Parish, LA – Project Manager providing environmental support and services including compliance and permitting issues, remediation of produced saltwater releases to adjacent property owners, and state agency interfacing. Heckmann Water Resources (HWR) operates a 50-mile pipeline transporting produced saltwater from natural gas drilling and hydro-fracturing operations located throughout DeSoto Parish, Louisiana to deep-well injection and/or treatment facilities in Texas. Mr. Domangue managed several release locations which include risk evaluation, large scale (>20,000 cubic yard) excavation management, waste tracking, groundwater assessment, ecological assessment including biota sampling plan development and implementation, and procedural and cleanup standards development for future releases.

Site Investigation, Gulf South Pipeline Company, LP – Program Manager for several ongoing site investigations at various compressor stations in Louisiana and Mississippi. Investigations have included both soil and groundwater

SETH DOMANGUE
Natural Resource Advisor
Matrix New World Engineering, Inc.

assessment for various constituents including hydrocarbons, PCBs, Mercury, and chlorides. Several additional site assessments and remedial actions have been conducted as required by LDEQ.

Coast-wide Reference Monitoring System (CRMS), Office of Coastal Protection and Restoration – Project Scientist responsible for the construction, monitoring, and servicing of multiple monitoring stations across Louisiana. Mr. Domangue's role also includes airboat operation and vegetation surveys at multiple locations.

Louisiana Army Ammunition Plant (LAAP), US Army, Doyline, LA – Project Geologist responsible for the implementation of Remedial Action Work Plan. Includes the installation of monitor wells for the purpose of long term monitoring and monitored natural attenuation and monitor well sampling.

Remedial Action, TH Agriculture and Nutrition, New Orleans, LA – Site Geologist responsible for the oversight of contractor for large scale remediation of pesticides, VOCs, and various other hazardous constituents within a populated neighborhood. Remediation implemented in accordance with an LDEQ cooperative agreement and conducted within an enclosed structure with supplied air. The project was awarded model remediation project by LDEQ.

Various Louisiana UST Facilities – Client program manager for ExxonMobil UST projects. Actively managed over 30 UST projects throughout Louisiana including site investigations, remedial system installation and operation, tank removals, and excavations.

Various Louisiana and Texas UST Facilities – Geologist/Hydrogeologist for numerous UST facilities throughout Texas and Louisiana. Responsibilities included site assessments including subsurface investigations, and Phase II ESAs, Monitor well/geoprobe boring installations, oversight and documentation of UST removal/closure, Groundwater remediation, (small scale pump and treat, bio remediation, and ORC/HRC injection).

Remedial System Installation, Carswell Air Force Base – Construction coordinator for large scale remedial pump and treat system installation. The remedial design implementation included the installation of piping and the oversight of all other system operations equipment.

Professional Registrations and Certifications
40-Hour Hazardous Waste Operations and Emergency Response, 2005
Radiation Safety Officer Training, American Radiation Services, Inc., 2003
CPR Certified, 2009
Radiation Safety Officer, 2005, Active, Louisiana, 01/2004
Baton Rouge Geological Society, Active, 2002

ERIN L. EVERTSEN
Environmental Scientist
Matrix New World Engineering, Inc.

Professional Qualifications

Ms. Terwilliger is an environmental scientist with over seven years of experience in environmental consulting services including remedial, ecological and spill response management. Ms. Terwilliger is certified in Shoreline Cleanup Assessment Technique (SCAT) as both field team member and leader. She is a Transportation Worker Identification Card (TWIC) holder and is 40-hr HAZWOPER certified. Ms. Terwilliger is also trained in the National Incident Management System (NIMS) Incident Command Structure (ICS), Level 100 (Introduction to Incident Command System) and Level 200 (ICS for Single Resources and Initial Action Incidents). Ms. Terwilliger has spill response experience assisting the US Fish and Wildlife Services and US Coast Guard with Section 7 consultation for the MC252 Deepwater Horizon Spill including wildlife capture, rehabilitation, and Natural Resource Advisor field work and program management. Ms. Terwilliger's remedial experience includes the oversight and coordination of subsurface and surface investigations such as monitoring well installations, soil, groundwater, surface water, and sediment sampling, management and processing of sample laboratory analyses, aquifer pump testing and leaking underground storage tank (LUST) removal/closures in connection with environmental studies throughout New York, New Jersey and Pennsylvania. Her ecological experience includes wetland delineation and permitting, threatened and endangered species surveys, Environmental Impact Statements, assistance with Section 7 consultation and wildlife capture, and habitat suitability determinations. She has experience in the preparation of various environmental technical reports and permitting applications relative to Environmental Impact Statements, Freshwater Wetland General Permits, Letters of Interpretation Applications, Preliminary Assessments, Phase I and Phase II site remediation assessments and investigations, water quality management planning (WQMP), point and non-point source pollution, water supply and land use throughout New York, New Jersey and Pennsylvania. Ms. Terwilliger is proficient with ArcGIS, AutoCAD, and Trimble Nomad software devices and statistical analyses.

Education

BA, Geography w/Concentration in Environmental Studies, Montclair State University, 2008

Professional Registrations and Certifications

40-Hour OSHA Hazardous Waste Operations and Emergency Response Standard (HAZWOPER) Training
8-Hour OSHA HAZWOPER Refresher Updated Annually
Interagency Consultation for Endangered Species (Section 7 Consultation), US Fish & Wildlife Services, 2011
Shoreline Cleanup Assessment Technique (SCAT) Team Leader and Team Member Training, 2012
Wetlands Delineation Certification, Rutgers University, 2010
Methodology of Delineating Wetlands, Cook College, Rutgers University, 2010
Vegetation Identification for Wetland Delineation, Cook College, Rutgers University, 2010
Practical Applications of the New Jersey Site Remediation Program, Rutgers University, 2011
Negotiations for Natural Resource Professionals Training Course, USGS, 2012
Transportation Workers Identification Card (TWIC) Authorization, Updated
Seasonal Soil (SESOIL) Compartment Model Training, 2011
NJDEP Site Remediation Basics, Rutgers University, 2009
NJDEP Underground Storage Tank Program, Rutgers University, 2008
NJ TRANSIT Level 1 Contractor Safety Training
AMTRAK On-Track Safety for Contractors Certification
New Jersey Society for Women Environmental Professional Member, 2007 – Present
Gamma Theta Upsilon National Honors Society Member, 2007 – Present

Professional Experience

MC252 Deepwater Horizon Spill Response, Gulf of Mexico, NRA Program Manager, LA, MS, AL, FL – Natural Resource Advisor (NRA) Program Manager responsible for managing all day-to-day aspects of the NRA program. Ms. Evertsen's responsibilities include directing the training of new NRAs, provides NRAs in the field with all necessary

ERIN L. EVERTSEN
Environmental Scientist
Matrix New World Engineering, Inc.

equipment and supplies, administering the scheduling of replacement NRAs, review of daily 214 reports, and BMP checklists, overseeing the distribution of 214s and BMP checklists to appropriate agencies, and providing technical assistance to the NRA team leads. Ms. Evertsen coordinated field observations from the NRAs with all appropriate state and federal agencies as part of Section 7 (threatened and endangered species) and Section 106 (cultural and historical resources) compliance.

MC252 Deepwater Horizon Spill Response, Gulf of Mexico, Natural Resource Advisor, Destin, Florida and Grand Isle, LA – NRA responsible for providing environmental contractor oversight during cleanup, reconnaissance, and recovery of oil and oiled debris from beaches and state parks along Florida and Louisiana's Gulf Coast. As a NRA, Ms. Evertsen was responsible for implementing required Best Management Practices (BMPs), as provided by the United States Fish and Wildlife Services in accordance with the Endangered Species Act and other applicable laws. NRAs implemented BMPs to ensure contractor cleanup can take place, while having the least impact to the natural resources and wildlife. NRAs also conducted threatened and endangered species surveys, educated the public on the goals of the NRAs, documented daily observations, and prepared a daily report and completed the BMP checklist.

MC252 Deepwater Horizon Spill Response, Gulf of Mexico, Grand Isle Wildlife Operations Territory, Grand Isle, LA – Field biologist responsible for the capture and rescue of oiled wildlife, mainly migratory birds throughout the Grand Isle, Louisiana Wildlife Operations Territory. Ms. Evertsen's responsibilities included assisting the United States Fish and Wildlife Services and Louisiana Department of Wildlife and Fisheries in the rescue and capture of affected and injured wildlife, habitat patrol and wildlife assessments, evidence collection, assessing and reporting locations where damaged boom systems and oil slicks were present, and coordinated the radio dispatch and GIS mapping operations. Ms. Evertsen was the technical field supervisor for sixteen of Matrix's field biologists.

MC252 Deepwater Horizon Spill Response, Gulf of Mexico, Pensacola Oiled Wildlife Rehabilitation Center, Pensacola, FL – Paraprofessional coordinator responsible for logistical operations for all wildlife rehabilitation centers, wildlife capture teams, and natural resource advisors throughout Mississippi, Alabama, and Florida. Ms. Evertsen worked closely with the United States Fish and Wildlife Services and Tri-State Bird Rescue and Research, a non-profit wildlife rehabilitation and rescue organization. Ms. Evertsen was also responsible for the management, scheduling, and training of over 50 paraprofessional field biologists.

Port Authority of New York & New Jersey, North Avenue Corridor Improvement Project, City of Elizabeth, NJ – GIS specialist responsible for mapping, using ArcView GIS, all potentially contaminated sites along the North Avenue corridor study area for the Port Authority of New York and New Jersey (PANYNJ). As part of the corridor study, Ms. Evertsen conducted site visits to identify areas of environmental concern located along the right-of-way of the corridor and used ArcView GIS to map potentially contaminated sites along the study corridor. Approximately 60 potentially contaminated sites along the study corridor were mapped using ArcView GIS. The study corridor includes properties within 250 feet of the North Avenue right-of-way (the project area) that are anticipated to be acquired as part of this project. The North Avenue right-of-way was mapped in ArcView GIS and then a 250-foot buffer was established to determine the properties located within the study corridor. Potentially contaminated sites were identified through database searches, aerial photography, and Sanborn and topographic map reviews. All sites were field verified and locations were adjusted in ArcView GIS. Additional potentially contaminated sites were also added based on the site reconnaissance. NJDEP Classification Exception Areas, Known Contaminated Sites, Groundwater Contamination Areas, Deed Notice Properties, surface water bodies, historic fill material, and public community water supply wells were also included in the mapping.

NJ Transit, Trans-Hudson-Express (THE) Tunnel, Various Counties throughout Northeastern NJ and Manhattan, NY – Environmental scientist responsible for conducting environmental oversight and sampling of subsurface media as part

ERIN L. EVERTSEN
Environmental Scientist
Matrix New World Engineering, Inc.

of the Draft Environmental Impact Statement (EIS), Site Investigation (SI) and Remedial Investigation (RI) services for the Trans-Hudson-Express (THE) Tunnel Project, which will expand commuter rail operations as part of the Access to the Regions Core (ARC) Project. Ms. Evertsen's responsibilities included the collection of geotechnical and environmental boring sampling, and surface water and sediment sampling. Results from SI and RI oversight and sampling were summarized and included in SI, RI and Remedial Action Workplan (RAW) Reports for properties located throughout New Jersey and New York City to establish a baseline evaluation of the subsurface conditions present that may impact project design and construction activities.

GIS specialist responsible for mapping, using ArcView GIS, all areas of environmental concern identified during SI and RI environmental services throughout various properties in New York City and New Jersey as part of THE Tunnel Project. Results from the samples collected were included on the mapping to delineate the vertical and horizontal extent of contamination that existed at each individual location.

Environmental scientist responsible for preparing a Preliminary Assessment Report (PAR) for THE Tunnel Project. The assessment included site reconnaissance, a review of historic and current uses of the proposed property to identify contamination by hazardous substances or waste, the review of Federal, State, and local information, GIS mapping, and report preparation. The PAR was performed in general accordance with the New Jersey Department of Environmental Protection (NJDEP) Technical Requirements for Site Remediation [New Jersey Administrative Code (N.J.A.C.) 7:26E].

Environmental scientist responsible for preparing a Property Acquisition Environmental Cost Estimate (PAECE) Report for THE Tunnel Project. The report was developed to estimate NJ TRANSIT environmental remediation cost to bring the proposed property into compliance with applicable NJDEP regulatory criteria. The purpose of this report is to determine whether there is any contamination and/or solid waste present on the property parcel/taking area, and the estimated costs of remediation.

Wetland Mitigation Bank Emergency Berm Repairs, EnviroFinance Group LLC, Kane Wetland Mitigation Bank, Moonachie, NJ – Matrix was retained by EnviroFinance Group LLC to provide emergency repair services at the Richard P. Kane Wetland Mitigation Bank. During a series of high tides and winter storms during late 2011 and early 2012, the HESCO constantainer berm along the western portion of the wetland mitigation tidal marsh was severely breached. There were a number of back-to-back breach events that had to be addressed and it became apparent. In consultation with the design engineer for the project, Ms. Evertsen was responsible for the oversight of construction efforts to repair the HESCO contantainer berm breaches and prevent any further breaches from occurring. Ms. Evertsen was also tasked with attending construction meetings and providing review and input on various contracts and construction issues as they arise.

FirstEnergy Corporation (JCP&L), On-Call Threatened and Endangered Species Surveys, Transmission Line Maintenance and Infrastructure Construction, New Jersey-Statewide – Environmental scientist responsible for conducting a threatened and endangered species habitat assessment, absence-presence surveys, and wildlife construction monitoring for various State and Federally T&E species throughout New Jersey. The survey species include *Clemmys muhlenbergii* (bog turtle), *Helonias bullata* (swamp pink) and *Rhynchospora knieskernii* (Knieskern's Beaked-rush). Ms. Evertsen oversaw federally endangered/threatened wildlife surveys, performs vegetation surveys and the preparation of reports discussing the findings for various transmission lines, substations, and right-of-ways throughout New Jersey. In addition, Ms. Evertsen has designed and developed various maps in ArcGIS using databases provided by JCP&L/First Energy Corp and data collected during field survey to identify potential T&E species habitat and the regulated associated buffer within the vicinity of the study area.

ERIC R. GRATSON, CHMM
Asbestos and Mold Lead
Matrix New World Engineering, Inc.

Professional Qualifications

Mr. Gratson is a Certified Hazardous Material Manager with over 21 years of experience as a site and design engineer for civil engineering, construction, and environmental projects. He is a state Certified Asbestos Project Monitor, Asbestos Inspector, Asbestos Project Designer, Lead Inspector/Risk Assessor, Lead Risk Assessor, and Asbestos Safety Technician. Mr. Gratson has directed and managed projects relative to construction and renovation of schools, transportation facilities, fuel terminal facilities, major transportation design and construction projects, and other projects for industrial and private clients throughout New Jersey and New York. His expertise includes hazardous materials surveys, development of construction documents (plans and specifications), environmental construction management and oversight for conventional construction projects and environmental remediation projects, construction quality assurance, and project management. Mr. Gratson's experience also includes planning and implementing environmental and engineering programs specializing in contaminated site investigations, site remediation, hazardous waste and solid waste management, environmental permitting, regulatory compliance, design of underground storage tank systems, and asbestos and lead-based paint inspection and sampling programs.

Education

BS, Engineering Management, Minor in Physics, Wilkes University, 1989

Professional Registrations and Certifications

40-hour OSHA 1910.210 HAZWOPER Health and Safety Training
8-Hour OSHA Refresher Training for Hazardous Waste Operations – Updated Annually
Certified Hazardous Materials Manager, No. 15538, 2010
New Jersey Asbestos Safety Technician
NJDOH Certified Lead Inspector/Risk Assessor No. 005648
RMD LPA-1 Lead Paint Inspection System, 2002
NY State/EPA Asbestos Inspector, Management Planner, Project Monitor and Project Designer, 1993
USEPA/NY State Lead Inspector/Risk Assessor
NJDEP Licensed N-2 Wastewater Treatment Operator No. 0022131
NJDEP Licensed Subsurface Evaluator No. 0019301, 1998
NJDEP Cleanup Star Program, 2004
Certified Cost Estimator with the NJ Dept. of Treasury, Division of Property Management and Construction
Certified GSSI SIR II Ground Penetrating Radar Operator, GSSI, 1995
Metro-North Railroad – Roadway Worker Procedures, 2001
NJ Transit – Railway Worker Safety Training, 2001
MTA/NYC Transit Track Safety Certification 2010

Professional Experience

MTA New York City Transit Indefinite Quantity Contract for the Supervision, Air Monitoring, and Support in Connection with Asbestos Abatement and Lead Paint Removal Services – Project Manager for this Task Order Contract with NYCT Office of System Safety, providing asbestos and lead investigations, abatement design, project monitoring and industrial hygiene/air sampling for a variety of the NYCT facilities on an on-call basis. The Office of System Safety for NYCT is responsible for protecting the health and safety of a large and diverse work force involved with rail maintenance, station improvements, and emergency repairs. Matrix's task order assignments have ranged from inspecting planned renovation projects for the presence of asbestos and lead-based paint, designing asbestos abatement and lead-based paint management plans, providing project monitoring and air sampling during asbestos abatement projects, performing periodic air monitoring for lead exposure of NYCT employees, responding to emergency exposures during construction and maintenance projects, and evaluating the effectiveness of existing health and safety programs related to asbestos and lead hazard control.

ERIC R. GRATSON, CHMM
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New York City Department of Environmental Protection Regulations, 15 RCNY, Chapter 1; and 12 NYCRR 56. Construction documents were prepared to specify requirements for asbestos abatement in accordance with the applicable federal, state, and local regulations, and the special requirements of the VA Hospital. Special phasing provisions were designed into the project to accommodate the requirements of the facility and the affected services for the occupants. Mr. Gratson also assisted the design team with cost estimates and administration services during the contractor bid and construction phases of the project.

New York City School Construction Authority (NYCSCA), On-Call Environmental Services - Project Manager responsible for management of on-call environmental services for NYCSCA capital improvement projects and emergency maintenance projects throughout public school facilities within the five boroughs of New York City. Services have included investigations and the preparation of construction related document packages for asbestos-containing materials (ACM), lead-based paint (LBP), and mold. Investigation reports were prepared including a detailed inventory of ACM, LBP, and mold identified for each project, and identifying which materials will be impacted by the proposed construction. This process entailed close interaction with the NYCSCA Industrial and Environmental Hygiene Department, and the project architect. Construction document packages have included the preparation of abatement specifications, abatement drawings, and cost estimates in accordance with the NYCSCA procedures. In addition, Mr. Gratson has managed the implementation of project monitoring services during the abatement of ACM, LBP and mold, which has included oversight of the abatement contractor, on-site inspection of work areas, and the collection of final clearance air samples and wipe samples.

Brooklyn College Performing Arts Center, Brooklyn, NY – Project Manager responsible for conducting comprehensive asbestos, lead-based paint and other hazardous materials surveys, and final design documents for the demolition and renovation of an existing multi-story theater complex at the Brooklyn College Performing Arts Center. The first stage of the project entailed conducting detailed surveys to identify asbestos, lead-based paint, and other hazardous materials requiring removal or special handling as part of the renovation and demolition procedures. Secondly, Matrix worked closely with the project architect and the school to ensure that as designs for new facilities developed, impacted hazards were incorporated in the design and demolition documents. In addition, Matrix provided remedial cost estimates and assisted the design team and school in value engineering and determining the most cost effective solutions to conduct the demolition of the existing facilities and construct the new facilities.

State University of New York, Potsdam Campus, Performing Arts Building - Mr. Gratson conducted hazardous materials surveys at the site to identify hazardous materials that will require special handling and disposal prior to the proposed renovation activities associated with the project. He also conducted asbestos surveys throughout the existing building and areas of the site expected to be impacted by the proposed project. The asbestos surveys were conducted in accordance with the survey and sampling protocols of 40 CFR 763 (AHERA) and 12 NYCRR 56. Mr. Gratson also conducted Lead-based paint surveys at the site, in an effort to identified LBP with potential to be impacted during the renovations.

City University of New York, Hunter College, Public Address and Clock System Upgrades - Mr. Gratson was involved in the management and field hazardous materials surveys at the site to identify hazardous materials that will require special handling and disposal prior to the proposed renovation activities associated with the installation of a new public address and clock system. Asbestos surveys were conducted in accordance with the survey and sampling protocols of 40 CFR 763 (AHERA) and 12 NYCRR 56, and Lead-based paint surveys were conducted at the site using an X-Ray Fluorescence (XRF) instrument to identified LBP with potential to be impacted during the renovations. Construction documents were prepared to specify requirements for asbestos abatement, lead safe work practices, and hazardous material handling and disposal. Mr. Gratson also assisted the design team with cost estimates and project scheduling

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PATRICK HUNNEWELL
Quality Assurance Quality Control Manager
Matrix New World Engineering, Inc.

Professional Qualifications

Mr. Hunnewell has 19 years of experience as a Project Engineer, Project Manager, Construction Division Manager and Chief Engineer working for a consulting firm and then an environmental contractor. Mr. Hunnewell currently maintains the role of Senior Remediation Engineer. Mr. Hunnewell has New Jersey Department of Environmental Protection (NJDEP) licenses for underground storage tank closure and subsurface evaluator. During his career he has been involved in the construction of various civil and environmental projects.

Mr. Hunnewell specializes in the following specific areas: Design, installation and operation of groundwater treatment systems using technologies such as air sparging, soil vapor extraction, air stripping, liquid and vapor phase carbon, metals precipitation, oil/water separation, pH adjustment and filtration; Design and installation of wastewater treatment systems (500,000 gpd and less) and potable water distribution systems (1,400,000 mgd and less); Design and installation of recovery wells and header lines utilized to supply contaminated groundwater and soil vapor to treatment systems; Soil excavation, transportation and disposal projects with soils impacted by PCBs, TPH, VOC's; temporary dewatering and treatment systems associated with soil excavation projects. Implementation of various dual phase extraction and soil vapor extraction pilot testing procedures for subsurface investigation utilizing elaborate instrumentation and computer data logging processes; and The operation and maintenance (O&M) of various treatment facilities.

Education

BS, Civil Engineering, Drexel University, 1994
Drexel University Cooperative Education Program, 1990-1993
Indiana University Geologic Field Camp, Summer 1994

Professional Certifications and Registrations

New Jersey Department of Environmental Protection Underground Storage Tank Closure and Subsurface Evaluator - License #0019266
First Aid/CPR -2009
Hazardous Waste Site Operations Supervisor Training
Stream Encroachment Permit Course: Sponsored by
Rutgers Univ. and NJDEP
Crestcom Bullet-Proof Managers Course, 2004 through 2005
OSHA 40-Hour Health and Safety Training, 1992
OSHA 8-Hour Health and Safety Refresher Training, 2008
OSHA 8-Hour Hazwoper Supervisor Training, 1996
OSHA Competent Person Safety Training, 2002
OSHA Confined space entry and rescue training, 2003
OSHA 10-Hr Construction Certification, 2010
USCG US Power Squadron Boating Certificate, 2010

Professional Experience

Design/Build of Groundwater Pump and Treat System, AZ - Mr. Hunnewell was part of the design and construction team for the installation of a 400-gpm groundwater pump and treat system installed on a fast-track basis to aid in the capture and reduction of a large TCE plume at this on-going superfund site. The system design involved multiple meetings and discussion with USEPA and their contractors, as well as the local city engineers and representatives to ensure all their objectives were met. The system had to be constructed quickly, and within a small area made available within the city easement. The system design involved civil details associated with site layout and grading/stormwater capture and control, and mechanical, process and electrical associated with sizing and developing the equipment, piping, instrumentation, controls and conduit and wiring. System construction was completed in September 2011. The system construction included the installation of the new 14-in diameter

PATRICK HUNNEWELL
Quality Assurance Quality Control Manager
Matrix New World Engineering, Inc.

extraction well to a depth of 220-ft, using dual rotary drilling technique, and installation of the new 40-Hp submersible pump. After well completion, the new well pad, electrical service and temporary containment structure was constructed, and the new 10,000-lb carbon adsorber system constructed. The total system construction contract is approximately $950,000.00.

Operation and Maintenance of Remediation Systems, AZ - Mr. Hunnewell has been part of the O&M team managing the performance of several existing groundwater pump and treat systems involving various technologies, and one soil vapor extraction system. The total combined flow rate for all systems includes packed column air stripping, ion exchange, solids reduction, and VOC reduction/removal using liquid and vapor phase carbon. The total flow rate for all the groundwater pump and treat systems exceeds 2,500-gpm. The system run time for all systems, including the SVE, exceeds an average of 93%, with most down time associated with planned events such as carbon change-outs and normal maintenance shutdowns. Treated effluent from the treatment systems is either reinjected to the local aquifer to create a hydraulic barrier, protecting local potable production wells, or used as part of a green remediation initiative in golf course irrigation through discharge and containment to a large irrigation pond maintained by a local golf course. Typical requirements for the O&M for these systems involves compliance sampling and reporting, monitoring off all system instrumentation and identification of abnormalities affecting system performance, scheduling of system maintenance, annual review, modifications and updates to the system O&M and QA/QC plans, and system upgrades as required to maintain normal system functionality.

Alternative Landfill Cap Design and Construction - Mr. Hunnewell was part of the design and construction oversight team that developed and implemented an alternate landfill cap design at a former foundry landfill in western Massachusetts. The landfill impact covered approximately 20-acres, required significant vegetative and tree clearing and grubbing, excavation, handling and placement/compaction of approximately 80,000-cubic yards of material and involved working around several active sanitary sewer easements. The alternate design was negotiated with MaDEP, which avoided the use of a conventional vegetative support layer requiring top soil. Through a program of soil testing and amendments that provided the necessary support for approval of the alternate cap design and construction, Mr. Hunnewell's team saved the client over $500,000 in costs associated with top soil, and reduced the project schedule by 25%. To further reduce costs, and provide beneficial reuse of excavated soils from another local construction project, over 40,000-tons of clean material was imported from this other site for use as the final soil cover. The final two-foot cover created a barrier protecting the public from contact with the former foundry sand, as opposed to requiring a synthetic or compacted clay cover to limit infiltration of precipitation. All site stormwater was managed on site, with final grading and elevations conveying all sheet flow to one large and one small infiltration basin constructed on site and within the final landfill limits.

Confidential Client, Soil Excavation, Transportation and Disposal, Livingston, NJ - Mr. Hunnewell was the project manager that assisted with the final remedial approach and construction oversight and QA/QC for the remediation of PCE-impacted soils along an active stream bank. Design activities included assisting the consulting engineering with preparation of the general permit for stream encroachment activities, and rehabilitation of the stream banks during final restoration activities. The remedial approach involved excavation of approximately 2,000-tons of hazardous between the building foundation and stream, which involved protection of the foundation, active utilities and removal of the stream banks. Backfilling was done incrementally and restored to original grades, with final restoration including placement of the required geonet, vegetative cover and shrub replacement along the stream bed, with periodic monitoring of the new vegetation, in compliance with the general permit. The total contract value was $380,000.00.

Confidential Client, Soil Excavation, Transportation and Disposal, Shickshinny, PA - Mr. Hunnewell was the project manager for the remediation of TPH-impacted soils within a defined wetlands area at this site in north central Pennsylvania. The wetlands were impacted by a release of No. 2 fuel oil from an upgradient UST. The

PATRICK HUNNEWELL
Quality Assurance Quality Control Manager
Matrix New World Engineering, Inc.

consulting engineer provided the wetlands delineation and identified the areas to be excavated. Because of the nature of the soils, pre-draining through conventional dewatering techniques was not possible. Drying beds were constructed and covered to minimize the impact of TPH and organic odors to the surrounding properties, and to allow the soils to dry to the maximum moisture content accepted by the T&D facility. Crane mats were used for all heavy equipment during the excavation process, to minimize the potential for equipment settling into the wetlands area. The team provided equipment and labor support to the subcontractor that was brought in by the consulting engineer to complete the wetlands restoration required as part of the overall contract. Approximately 1,200-tons of TPH impacted soils were removed as part of the remedy. The total contract value was $260,000.00.

Mark IV Industries, Metuchen, New Jersey - Mr. Hunnewell was a project engineer for this large remediation project, assisting with the coordination and removal of approximately 20,000 tons of hazardous soils at an active manufacturing facility in central New Jersey. Remediation activities included the excavation and post-excavation sampling of several areas of concern in Level B PPE; operating construction equipment during excavation and backfilling/compaction of the areas of concern; and sample analysis recording/tracking. As part of the pre-mobilization and reporting activities, Mr. Hunnewell assisted with the wetlands delineation and preparation of the permit packages to NJDEP for final restoration during soil excavation and final restoration activities.

Confidential Client, Central New Jersey - Mr. Hunnewell was a project engineer for this large remediation project, assisting with the wetlands delineation, stream encroachment permits, and design for the stream diversion and reconstruction as part of a final remedial approach to excavate TPH impacted soils from a stream bed and the surrounding upgradient soils. The impacted wetland area was approximately 60,000-sq feet, including the stream bank. The final design included the identification of the wetlands areas to be mitigated and restored, removal and relocation of a 24-in stormwater conveyance pipe. The overall contract value was $90,000.00.

National Grid, Utica, New York - Mr. Hunnewell the design and QA/QC manager for a 4,000-gpm temporary treatment system used to handle dredging materials generated as part of the final remedial approach for an active harbor. This system involved dredging along the harbor banks and bulkheads by a separate entity, which pumped the impacted dredge spoils to a 12-acre retaining pond constructed adjacent to the harbor. Within the pond sediment screens of varying size were constructed, generating an assembly of baffle walls that permitted the flow of water at a high rate that still permitted adequate settling of the smaller micron particulates. Coagulant and flocculent were distributed at separate points to aid in the settling process before the untreated water entered the pump intakes. The treatment process involved the use of multiple bag filter skid housing operated in parallel, and four Siemens HP-20 20,000-lb liquid phase adsorbers systems operated in parallel and series. The system was successfully designed, constructed and operated to reduce TSS and VOC concentrations to below the discharge limits required by NYSDEC for discharge to surface water. The total contract value was $820,000.00.

United States Army Corps of Engineers – Groundwater Pump and Treat System, Bog Creek Superfund Site, Howell, NJ - Mr. Hunnewell was the project manager for the installation of a groundwater pump and treat system upgrade at the Bog Creek Superfund site. The system included the installation of twenty Rediflo submersible pumps and downhole controls and equipment, extraction well vaults, SVE and pump and treat valves and instrumentation in the field, and the treatment equipment inside the new LEED certified building. The building, wells and site piping was installed by the Conti Group, the general contractor for the project. Treatment equipment and control panels were installed inside the building, which included a mix tank and clarifier with chemical feed systems, settling tank and solids handling system, low profile air stripper, liquid phase carbon, two PD blowers for the SVE component, and vapor phase carbon. A main control panel with complete SCADA access was integrated with two main pump panels with VFDs for the extraction wells, and a primary groundwater system control panel. The total contract amount was $812,000.00.

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Scott Jackson
Natural Resource Advisor
Matrix New World Engineering Inc.

Professional Qualifications

Following his graduate work at Auburn University in 1998, Mr. Jackson entered the environmental consulting field. Shortly thereafter he became a project manager of environmental projects ranging from Environmental Site Assessments and wetland delineations to NEPA studies and Section 106 compliance for federally funded and/or licensed projects including public transportation projects.

Mr. Jackson served as a Project Manager on numerous NEPA compliance projects at a regional engineering consulting firm. Mr. Jackson co-authored Environmental Impact Statements, Environmental Assessments and Categorical Exclusions for many public transportation projects in multiple southeastern states. He also performed all of the firm's noise impact assessments and air quality studies.

Mr. Jackson served as Environmental Coordinator and managed Phase I and II Environmental Site Assessments, wetland delineations, GIS and GPS mapping projects, wetland fill permitting, mitigation, NPDES registration and engineering/development projects.

Education

Master of Science - Soil Science, Auburn University, Alabama 1998
Bachelor of Science - Environmental Resource Management and Planning, University of West Florida, Pensacola, Florida 1995

Training

Fundamentals of Noise Analysis, Florida Dept. of Transportation, 32 hrs.
Remote Sensing & Photo-Interpretation, University of West FL
Air Emission Analysis, Alabama Dept. of Transp. & Univ. Central.FL., 24 hrs.
Physics, Calculus, Trigonometry, Undergrad. Courses
Organic Chemistry, Graduate Course, Auburn University
Analytical Chemistry, Graduate Course, Auburn University
Qualitative Chemistry, Graduate Course, Auburn University
Soil Chemistry, Graduate Course, Auburn University
OSHA Hazardous Waste Operations (HAZWOPER) Training, 40 hr. & 8 hr. updates
Soils and Environmental Quality Graduate Course, Auburn University
Nutrient Management Plans, Seminar International Poultry Expo.

Professional Experience

MC252 Deepwater Horizon Spill Response, Baldwin County, Alabama Natural Resource Advisor (NRA) Team Lead – Natural Resource Advisor (NRA) Program Manager responsible for managing all day-to-day aspects of the NRA program. Ms. Evertsen's responsibilities include directing the training of new NRAs, provides NRAs in the field with all necessary equipment and supplies, administering the scheduling of replacement NRAs, review of daily 214 reports, and BMP checklists, overseeing the distribution of 214s and BMP checklists to appropriate agencies, and providing technical assistance to the NRA team leads. Ms. Evertsen coordinated field observations from the NRAs with all appropriate state and federal agencies as part of Section 7 (threatened and endangered species) and Section 106 (cultural and historical resources) compliance.

MC252 Deepwater Horizon Spill Response, Baldwin County, Alabama Natural Resource Advisor (NRA) Team Lead – NRA responsible for providing environmental contractor oversight during cleanup, reconnaissance, and recovery of oil and oiled debris from beaches and state parks along Florida and Louisiana's Gulf Coast. As a NRA, Ms. Evertsen was responsible for implementing required Best Management Practices (BMPs), as provided by the United States Fish and Wildlife Services in accordance with the Endangered Species Act and other applicable laws. NRAs implemented BMPs to ensure contractor cleanup can take place, while having the least impact to the natural resources and wildlife. NRAs also conducted threatened and endangered species surveys, educated the public on the goals of the NRAs, documented daily observations, and prepared a daily report and completed the BMP checklist.

Scott Jackson
Natural Resource Advisor
Matrix New World Engineering Inc.

PUBLICATIONS/PRESENTATIONS

Master's Thesis: Nitrate-N Leaching in Two Alabama Coastal Plain Soils, Auburn University, Auburn, Alabama, 1998.

Presented paper with published abstract: Cotton Yield as Affected by Rainfall Distribution in Alabama at Southern Branch Agronomy Society of America Meeting, Birmingham, AL, 1997 (Abstracts of Technical Papers. Southern Branch ASA. p.6 .1997.)

Presented paper and published abstract: Nitrogen Movement on Two Alabama Soils at Soil Science Society of America National Convention, Anaheim, CA, 1997 (Agronomy Abstract p. 36, American Society of Agronomy. 1997.)

Published June Rainfall Increases Cotton Yield in Alabama Agricultural Experiment Station Highlights of Agricultural Research Quarterly Magazine, Winter 1998

KEVIN CHURCH
Natural Resource Advisor
Matrix New World Engineering, Inc.

Professional Qualifications

Mr. Church has experience working for the public research university system, state agencies and private consulting industry. He currently serves the Florida Lead for Matrix on its Natural Resource Advisor program for the Gulf Oil Spill Response Team where he coordinates the daily efforts of a team of 17 biologists. Mr. Church is primarily a wildlife scientist, has a strong background in ecology and is experienced in study design and wildlife assessments with a particular focus on avian ecology and coastal and marsh habitats. He has drafted best management practices for listed species which have been adopted and implemented by the FWS. Through his understanding of natural resources and the views and goals of parties involved, he has a history of finding solutions to resource issues which are scientifically sound and agreeable to both his clients and stakeholders, promoting a positive goal-minded approach.

Education

B.S., Wildlife Ecology and Conservation, University of Florida, 2009

Professional Registrations, Certifications and Memberships

FFTII Wild land Firefighter
40-Hour OSHA HAZWOPER
8-Hour OSHA Refresher
Incident Command System (IS-100.b/IS-200.b/IS-700a)
Certified Wildlife Rehabilitator
Wildlife Observer Training
TWIC (Transportation Worker Identification Credential)
BP Post Emergency Spill Health and Safety Training
UTV/ATV Certification
Trimble Training
Boating Safety (FWC)
Florida Hunter Safety (FWC)
American Bird Conservancy
The Wildlife Society
Florida Association of Environmental Professionals

Professional Experience

MC252 Deepwater Horizon Spill Response, Natural Resource Advisor Team Lead – NRA Team Lead responsible for managing the NRA Team in Pensacola, FL. As NRA Team Lead, Mr. Church served as liaison between Program Manager and team to distribute program directives and request guidance, as resource for NRAs in field regarding daily job responsibilities, compliance issues, and interactions with cleanup operations, USCG, and USFWS, tracked progress of operations for each STR, represented NRA program at daily meetings, reviewed reports submitted by team and compile 214 reports, reviewed BMP checklists submitted by team daily, submitted BMP compliance reports, 214s, and BMP checklists to operations, USCG, and USFWS, developed and maintained work schedule and field assignments, and provided ongoing training and distribute materials to team. Mr. Church has provided training on natural resource and compliance issues to federal and state agencies as well as private companies.

MC252 Deepwater Horizon Spill Response, Natural Resource Advisor – NRA responsible for providing environmental contractor oversight during cleanup, reconnaissance, and recovery of oil and oiled debris from beaches and state parks along Florida's Gulf Coast. As a NRA, Mr. Church was responsible for implementing required BMPs, as provided by the USFWS and Florida Department of Environmental Protection in accordance with the Endangered Species Act and other applicable laws. NRAs implemented BMPs to ensure contractor clean up can take place, while having the least impact to the natural resources and wildlife. NRAs also conducted threatened and endangered species surveys, educated the public on the goals of the NRAs, documented daily

KEVIN CHURCH
Natural Resource Advisor
Matrix New World Engineering, Inc.

observations, and prepared a daily report and completed the BMP checklist.

FLDEP/State Parks – For public agency, Mr. Church delineated critical nesting habitats for shorebirds and seabirds. Worked with agency staff to post and monitor sites. Mr. Church has worked with public agency staff in the FL state park system to survey for endangered species, habitat, and shorebirds. This data was used to augment the Florida Shorebird Alliance's database of beach nesting birds.

FL Fish and Wildlife Conservation Commission (2010) – Field Biologist for USGS contract sampling the populations of secretive marsh birds throughout Florida. Mr. Church conducted field surveys, trained crew members on bird ID and sampling protocols, worked with various landowners and managers, private, and public lands, and complied collected data. Mr. Church also assisted with collection and processing of data for nesting shorebirds in the Florida panhandle for the Florida Wildlife Conservation and Florida Shorebird Alliance. Mr. Church conducted population studies of avian species and marine invertebrates on Florida's coast. Along with stakeholder input, Mr. Church created the survey protocol. The data collected and compiled was used to set the state's baseline for NRD assessments. Duties included coordination of site visits, field surveys and compilation of data.

University of Florida – For public funded research, Mr. Church has worked on integrated pest management projects focused on passerine reproductive success in agricultural lands. Mr. Church worked with stakeholders to allow research to occur on privately held lands and performed field work. Trained volunteer staff on procedures and directed their work. Field duties included nest searches, nestling aging, vegetation sampling, insect abundance and identification, installation and maintenance of nest boxes, mapping of home range, use of camera traps to gauge agricultural pests predation quantity and type.

Mr. Church has worked with university staff on mist netting and banding of small raptors and passerine species in Ordway-Swisher Biological Station. Duties included identifying sites for trapping, set up and retrieval of equipment, ensuring adherence to regulation for handling, handling and banding birds.

For a public land conservation group, Mr. Church worked with university and agency staff to create avian and plant inventories for purchased land. Duties included coordinating work of surveyors for plant inventories, serving as contact on species identification, setting up and compiling inventories. His work with land conservation groups has also included management activities including prescribed fire on longleaf pine areas with non-profit management groups.

Mr. Church has worked as biochemistry research lab manager. Acted as department EH&S contact for department waste stream, biohazard, radioisotope, and regulated-use chemical waste. Maintained compliance documentation and active approvals for radioisotopes and restricted use chemicals. Maintained IACUC approvals for laboratories engaged in research with an animal use component.

Mr. Church has performed avian point count surveys to create seasonal inventories for public research university system. His duties involved tracking site visits, performing point and transect surveys, and reporting findings. The findings have been used as reference for research projects in the university system.

Mr. Church has experience in teaching biological lab techniques for the public university system. Responsible for biological sciences laboratory setups, greenhouse management, maintenance of cultures and Drosophila colonies, and management of inventories. Mr. Church has also developed of environmental education materials for the public education system which have been published through the IFAS extension agency. Duties included identifying gaps in teaching materials, creating content, consulting with working group on needs, and editing of final draft.

DERRON L. LA BRAKE, PWS
Senior Natural Resource Advisor and SCAT Leader
Matrix New World Engineering Inc.

Professional Qualifications

Mr. LaBrake is a Certified Professional Wetland Scientist with over 25 years of experience managing projects that involve the full range of ecological issues associated with wetland, aquatic, and terrestrial habitats. Mr. LaBrake is certified in Shoreline Cleanup Assessment Technique (SCAT) as both field team member and leader. He is an expert in wetland delineation, wetland functional assessment, replacement wetland design, and environmental permitting related to wetlands and other natural resources. Mr. LaBrake has conducted hundreds of wetland delineations throughout the eastern United States and obtained many State and Federal Permits for a variety of activities. He has been a practicing Wetland Scientist for over 25 years and was certified by the Society of Wetland Scientists as a Professional Wetland Scientist in 1995.

Mr. LaBrake has considerable skills in the discipline of dredge material management, having worked on both small 2,200 CY and large 8,5000,000 CY dredging projects since 1988. His experience includes the characterization of the in-situ sediment in terms of chemical constituents and physical properties, through the evaluation of disposal and reuse options, and including dewatering specifications. He has worked extensively with both State and Federal agencies obtaining approvals for a number of dredging projects. He developed close working relationships with New Jersey's Office of Dredging and Sediment Technology and the New Jersey Department of Transportation's Office of Maritime Resources. Those two Offices regulate all navigational dredging projects in the State of New Jersey.

Mr. LaBrake is highly skilled in the discipline of ecological risk assessment (ERA), having completed ERAs under numerous state and federal programs. His ERA experience relates primarily to sediments; however, he has also assessed ecological risks for a variety of contaminants in aquatic and terrestrial habitats. He recently negotiated a risk-based cleanup concentration for sediments in a creek that was impacted by historic releases from a former manufactured gas plant, saving a utility company millions in remediation costs.

Education

Graduate course work (Ecology), Villanova University, 1994
BS, Biology w/Ecology Concentration, West Chester University, 1989

Professional Certifications and Registrations

Professional Wetland Scientist # 000983, 1995, 2008
Shoreline Cleanup Assessment Technique (SCAT) Team Leader and Team Member Training, 2012
Habitat Evaluation Procedures, 1993
Wetland Evaluation Technique, 1988
OSHA-Hazardous Waste Operations and Emergency Response - 40 Hour, 1990
OSHA-Hazardous Waste Operations and Emergency Response 8-Hour Supervisor Training, 1992
OSHA-Excavation and Trenching, Competent Person, 2006
Chevron, LPS, 2005

Professional Experience

SCAT, Boston 30 Oil Spill, NY/NY Harbor (Newark Bay, Kill van Kull, Arthur Kill and Hudson River) – Performed SCAT work with representatives from the US Coast Guard and New Jersey Department of Environmental Protection, assessing shoreline primarily along the New Jersey shorelines. Assessed many miles of shoreline that included both natural and man-made shoreline types for affects associated with the release of No. 6 fuel oil. As the cleanup progressed, performed a number of the final assessments that were used to document the conditions for "Sign-Offs" of shoreline segments that were deemed clean and required no further cleanup action, based on the criteria developed for the different shoreline types and was the responsible party's signatory for those segments.

SCAT, Sandy Incident, (Arthur Kill and Woodbridge Creek) – Performed SCAT work with representatives from the US Coast Guard and New Jersey Department of Environmental Protection, assessing shoreline along the Arthur Kill in New Jersey. Assessed a few miles of shoreline that included both natural and man-made shoreline types. Also

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collected samples for Natural Resource Damage Assessment documentation and samples for attribution because of the number of spills that had occurred in the area as a result of Hurricane Sandy.

Ecological Risk Assessment, NorthWestern Energy's Former Aberdeen Manufactured Gas Plant, City of Aberdeen, SD – Assessed historic analytical data collected from the site area (soil, sediment, and surface water) to determine whether there were any potential ecological risks associated with the detected concentrations of a variety of constituents. Based on the assessment, developed an additional investigation strategy and work plan to further assess the sediments in Moccasin Creek, where a historic discharge from the site was located. The sampling was limited to Contaminants of Potential Ecological Concern (PAHs). The work plan was prepared such that the data collected could also be used to determine the extent of sediment removal that would be necessary for later remediation. The sampling plan included the use of field screening kits (immuno-assay) to limit the number of samples that would need to be sent to a laboratory for analysis. Designed and executed an ecological risk assessment using a sediment quality triad approach to develop risk-based cleanup strategy for the impacted sediment. Sediment analytical testing, bioassay testing (*Chironomus tentans* with both chronic and acute endpoints), and benthic macroinvertebrate community sampling were used to assess ecological risks associated with elevated concentrations of constituents attributed to former manufactured gas plant operations. Based on an analysis of the results from the sampling, a proposed "risk based cleanup value" of 200 ppm total PAHs was proposed to the South Dakota Department of Environment and Natural Resources. The proposed cleanup value was subsequently accepted and by using a risk-based clean-up value Northwest Energy was able to save in excess of $3.5 million (2006 dollars) in cleanup and disposal costs.

Proposed Ship Fuel Replenishment System, Draft Supplemental Environmental Impact Statement, Naval Weapons Station Earle, Monmouth County, NJ – Worked on the Supplemental Draft Environmental Impact Statement (SDEIS) was required for the US Navy to home-port two Auxiliary Oil and Explosives ships at Naval Weapons Station Earle. The original Draft EIS evaluated disposal options for 8.2-million cubic yards of dredge material and the Supplemental Draft EIS included evaluating additional dredge material disposal options and the siting of the Ship Fuel Replenishment System (SFRS 8,400,000 gallons of diesel marine fuel and 4,200,000 gallons of JP5 jet fuel). As part of the project team performed wetland delineations and field reconnaissances of potential sites for the SFRS and additional dredge material disposal sites and addressed comments received on the Draft Environmental Impact Statement (related to dredging) for the preparation of the Final Environmental Impact Statement.

New Turning Basin Port of Oakland, Dredge Material Disposal Management, Port of Oakland, Oakland, CA – Prepared a detailed cost estimate and operations plan for amending approximately 100,000 cubic yards of contaminated sediment/dredge material so that it could be disposed of at either of two local landfills. The dredge material was being generated from the construction of a new turning basin at the mouth of the Inner Harbor in San Francisco Bay at the Port of Oakland. The material that was selected to be mixed with the dredge material, primarily as a dewatering agent, was a locally generated by product (waste material) that could be beneficially reused. The amended dredge material would be of a suitable consistency for disposal at local landfills (passing a paint filter test) as daily cover material. The time required for obtaining the necessary permits precluded the use of this cost-effective option, because the project had to be completed within a nine-month time window, and the amount of time require for obtaining an air permits for the port side mixing was in excess of 270 days.

Berth Deepening, Construction & Marine Equipment Company, Inc., City of Elizabeth, NJ – Collected samples and provided data summary report to Construction and Marine Equipment Company, Inc. (CMEC) in support of the application they were filing for deepening their berth of -30 feet MSL. CMEC operates a marine construction facility on the Arthur Kill in Elizabeth, New Jersey. CMEC's existing berth was approximately 18 feet deep and needed to be deepened to approximately 30 feet deep to accommodate a large ship in need of substantial repairs. The sampling included collecting sediment cores up to 18 feet below the bottom of the Arthur Kill and analyzing the sediment for VOCs, SVOCs, PCBs, pesticides, metals, dioxins and furans. Also provided analytical testing (same parameters) for the mixed material (8% Portland cement) that will be disposed of at a land based facility. This dredging will be approved shortly by the State and Corps of Engineers.

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Dredge Material Rehandling Facility Permitting, Construction & Marine Equipment Company, Inc., Elizabeth, NJ – Obtained a "revised" Waterfront Development Permit for Construction and Marine Equipment Company, Inc. (CMEC). CMEC operates a dredge material processing and rehandling facility in Elizabeth, New Jersey. Prepared the "revised" Waterfront Development Permit so that CMEC could be permitted to use a different amendment/dewatering process and to use a different configuration for the dredge material processing equipment at their port side facility on the Arthur Kill.

Maintenance Dredge Permitting, TOSCO Refinery, Trainer, PA – Prepared the sediment sampling and analysis plan, conducted the sampling, evaluated and summarized the analytical results, applied for and obtained the Water Quality Certificate from NJ DEP's Office of Dredging and Sediment Technology, for TOSCO Refinery's maintenance dredge. Following NJ DEP's approval of the sampling and analysis plan, provided sediment sampling oversight and laboratory coordination. The sediment analysis included in addition to the normal bulk sediment analytical testing, PCB congeners analysis. Evaluated and summarized the analytical results for the Water Quality Certificate/Permit application, for the disposal of about 107,000 cubic yards of sediment dredged from the Delaware River. Was able to obtain the permit in a timely manner that allowed the Refinery to continue operations without interruption.

Maintenance Dredging, Borough of Point Pleasant, Point Pleasant Borough, NJ – Prepared the design specifications for the dredging dewatering and disposal of approximately 2,200 CY of sediment from Metedeconk River north of Barnegat Bay. A number of dewatering options were provided in the design specifications to provide options for the dredging contractor. The dewatering site, which was leased from a local community, had to be restored prior to the beginning of the "summer tourist season," and there were dredge-timing restrictions due to winter flounder breeding habitat in the area. The disposal site for the sediment that was being dredged was a former sand-mining pit about 10 miles from the site. The combination of the winter flounder restriction and short time window allotted by a local homeowner's association the project had to be carefully managed to meet all the restrictions imposed. Prepared permit applications and obtained permits for the dredging and dredge material dewatering area. The sediment was sampled and was determined to be sufficiently clean to be placed in the former sand pit. The project was completed on time and within budget.

Maintenance Dredge Permitting, Belmar Ferry Terminal Rehabilitation, Town of Belmar, NJ – Prepared the sampling and analysis plan for NJ DEP's Office of Dredging and Sediment Technology's review and approval, provided oversight of the sediment sampling, and prepared all of the analytical results summary tables for obtaining the Waterfront Development Permit for dredging and disposal of approximately 21,000 cubic yards of sediment from the Shark River. This project was one of the projects performed by Consolidate Technologies Inc. (CTI) where the sediment was stabilized and used to cap an abandoned strip mine in western PA.

Dredged Sediment Evaluation, Ft. Mifflin Disposal Facility, City of Philadelphia, PA – Conducted sediment sampling and analysis (dewatered sediment) at the U.S. Army Corps of Engineers' Ft. Mifflin Dredge Disposal Facility, adjacent to the confluence of the Schuylkill and Delaware Rivers. The sampling was conducted to assessing the chemical and physical characteristics of the dredge material and to determine its suitability for potential reuse as fill for a former coal mine pit in Tamaqua, Pennsylvania. Provided the COE with a summary report regarding the quality of the sediment and a description of its characteristics. This sampling was in support of the approval CTI received which required 50,000 CY to come from a PA source of material.

Sediment Evaluation, Sumner Dam Removal, Upper Merion Township, Montgomery County, PA – Conducted sediment sampling and analysis to characterize the approximately 23,000 cubic yards of accumulated sediment behind the Sumner Dam for Upper Merion Township for the evaluation of disposal options. Upper Merion was seeking a grant to remove the 25-foot high 300-foot long dam from Balligomingo Creek.

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CHRISTINA LANG
Natural Resource Advisor
Matrix New World Engineering, Inc.

Professional Qualifications

Ms. Lang is an Ecologist with over 4.5 years of experience in the environmental industry. Ms. Lang has been involved in the capacity of ecologist, natural resource advisor, and industrial hygienist for various projects including oils spill cleanup, wildlife survey work, mold identification, mold and Chinese drywall inspections. Her experience provides a working knowledge of natural resource issues, environmental oversight, environmental assessments, and biological surveys/ identification.

Education

B.S., Biological Sciences, California Polytechnic State University, San Luis Obispo, California, 2008

Professional Registrations and Certifications

40-Hour Hazwoper, 2010
CPR Certified, 2012
Advanced Open Water Diver certification, 2012

Professional Experience

MC252 Deepwater Horizon Spill Response, Gulf of Mexico, Natural Resource Advisor (NRA)- Natural Resource Advisor responsible for providing services to BP and to the Department of the Interior in support of guidelines set forth by the Department of the Interior and the National Oceanic and Atmospheric Administration activities for the Mississippi Canyon 252 (MC252) Deepwater Horizon Incident and resulting oil spill. While working on the oil spill, between August 2010 and the present, wildlife survey and natural resource support was provided. Wildlife surveys include the following; sea turtle/ sea turtle nesting, piping plovers, avian nesting, injured wildlife, beach mouse, and daily inventory of all other species observed. Natural Resource support include providing expertise in natural resource issues using a Trimble GPS device to enter data in the field. Duties also include and answering any questions pertaining to the environment, insuring that the disturbance of the environment is reduced while the set of guidelines that where created by the DOI and NOAA are followed. Christina has provided natural resource support along the coastline in Louisiana, Mississippi, Alabama, and Florida.

MC252 Deepwater Horizon Spill Response, Gulf of Mexico Wildlife Capture-Specialist - responsible for providing services while working alongside LDWF and USFWS in support of the Mississippi Canyon 252 (MC252) Deepwater Horizon Incident and resulting oil spill. While working on the spill in the summer of 2010, duties included scouting for injured wildlife along the Louisiana coastline, responding to calls for injured or oiled wildlife and the capture of injured and oiled wildlife.

MC252 Deepwater Horizon Spill Response, Gulf of Mexico Industrial Hygienist - Responsible for providing services to BP in support of the Mississippi Canyon 252 (MC252) Deepwater Horizon Incident and resulting oil spill. During the summer of 2010, air monitoring services were provided while taking VOC levels with corresponding GPS coordinates at various locations along the coast of Louisiana.

Wildlife survey work- Wildlife Biologist responsible for completing wildlife surveys which include; desert tortoise, dendrology, avian point count, avian mist netting, wildlife nesting, freshwater fish inventory, and T&E.

Barclay Assessment Services – Industrial Hygienist responsible for conducting Chinese drywall inspections, mold inspections, providing air quality/ monitoring services and analyzing various types of mold under a microscope.

LISA PITTMAN
Natural Resource Advisor
Matrix New World Engineering, Inc.

Professional Qualifications

Ms. Pittman is a Mobile, Alabama native and is currently employed by Matrix New World. Ms. Pittman has cumulative knowledge in the fields of natural resources advisement, fisheries management, environmental health sciences, ecology, and wildlife sciences. She has conducted various types of surveys and sampling for animals and their related habitats. She participated in fisheries management regulatory inspections and provided logistical support for the Alaska Department of Fish and Game. As an Environmental Health Specialist and Scientist for the Florida Dept. of Health, Ms. Pittman gained expertise in the SUPER Act programs, Florida's Healthy Beaches Program, On-site Sewage Treatment and Regulations, and numerous other environmental health programs where she obtained professional certifications and served as a regulatory inspector.

Ms. Pittman possesses teaching experience in the field of marine ecology and wildlife sciences. She has expertise in bird identification, and reconnaissance surveys as well as rehabilitation experience with birds of prey, sea and shore birds. Ms. Pittman is proficient in the use of GIS software, field equipment, and field techniques. She has over two years of experience on the BP Gulf Spill Response and is the lead Mobile County Natural Resource Advisor where she manages a team of six biologists. Ms. Pittman is responsible for providing natural resource information and environmental oversight on Dauphin Island and West Point Island in Alabama and coordinates efforts with local contractors and other agencies including the Gulf Coast Recovery Organization, U.S Fish & Wildlife Service, Section 7 and the U. S. Coast Guard.

Education

B.S., Wildlife Sciences, Auburn University, 1998

Professional Registrations and Certifications

HAZWOPER 40-Hour OSHA
8-Hour OSHA Refresher
Wildlife Observer USFWS Training
Sea Turtle Training USFWS
Bird Capture Training USFWS
ICS 100 and 700, FEMA
Dolphin rescue and recovery orientation, Institute for Marine Mammal Studies
On-Site Sewage Treatment and Regulations, State of Florida
Basic SUPER Act Solo GPS Training Certification, State of Florida
Soils, Systematic Botany, Ecology, Wildlife Management, Entomology, Ornithology, and Biology, Auburn University
BP Post Emergency Spill Health and Safety Training
UTV/ATV Certification
Trimble Training

Professional Experience

MC252 Deepwater Horizon Spill Response Lead, Mobile County Natural Resource Advisor, Dauphin Island, AL. – Natural Resource Advisor Team Lead (NRA Team Lead): responsible for providing environmental oversight, Best Management Practices (BMP) and Shoreline Treatment Recommendations (STR) set forth by state and federal agencies, for recovery of oil and oiled debris from beaches of Dauphin Island and West Point Island, Alabama. NRA Team Leads are responsible for reviewing and highlighting daily reports from field NRAs, and provided information to the U. S. Fish & Wildlife Services Section 7 Liaison, U. S. Coast Guard, Gulf Coast Restoration Organization personnel, land shareholders, and assigned contractors. Also responsible for producing and managing rotation schedules, crew assignments, and provides quality assurance and quality control of Mobile Co. BMP checklists. Concurrently, NRA Team Lead is tasked with approvals and edits to all Migratory Bird Nesting and Sea Turtle Nesting Data for Dauphin and West Point Islands. As the Mobile County Lead NRA, Ms.

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Pittman is responsible for keeping a current inventory of Mobile Co. NRA equipment, and provides assistance with related computer issues, BMP checklist programs, GIS software, and GIS equipment.

(MC252 Deepwater Horizon Spill Response, Natural Resource Advisor; Dauphin Island, AL. – Natural Resource Advisors (NRA) are responsible for providing environmental oversight during recovery of oil and oiled debris from beaches of Dauphin Island and West Point Island, Alabama. NRAs are responsible for documentation of implemented Best Management Practices (BMPs), as required by the United States Fish and Wildlife Services and Alabama Department of Environmental Protection in accordance with the Endangered Species Act and other applicable laws. NRA observed and advised on BMPs to ensure contractor clean up takes place, while minimizing impact to the natural resources and local wildlife. NRA conducted threatened and endangered species surveys, migratory bird nesting surveys, sea turtle surveys, as well as educating technicians and contractors on the goals of the NRA program. NRAs collected GPS data, photographed, and used GIS software and equipment to document Migratory Bird Nesting and Sea Turtle Nesting status for U. S. Fish and Wildlife, Share the Beach and local Sea Turtle permit holders. NRAs also assisted in providing data regarding dolphin and turtle carcasses for United States Fish and Wildlife Services and the Institute for Marine Mammal Studies.

MC252 Deepwater Horizon Spill Response, Wildlife Operations Field biologist; South West Alabama – Field biologist/paraprofessional responsible for the assessment, capture and rescue of oiled, injured, distressed wildlife, with concentrations on migratory birds and turtles throughout the West Alabama area including Dog River, Mobile Bay, Mississippi Sound, and Gulf of Mexico along Dauphin Island, AL. Responsibilities included assisting the U. S. Fish and Wildlife Services and the Alabama Department of Environmental Management in the rescue and capture of effected and injured wildlife, wildlife assessments and evidence collection. Teams responded to oiled wildlife hotline dispatches, prepared reports, collected photos and GPS data. Team members also assessed and reported damaged boom, oil slicks, and impacted areas where wildlife was present.

Wildlife Rehabilitation; Theodore Oiled Wildlife Rescue Center, Theodore, Alabama – Wildlife rehabilitator: responsible for assisting Tri State Birding, International Bird Rescue personnel, and local veterinarians in handling, feeding, and caring for oiled and injured wildlife. Other Rehab duties include transportation and transportation logistics of wildlife for reintroduction into wildlife habitat.

Texas State Aquarium; Education and Aquarium Guide, Corpus Christi, Texas – Marine Ecology Teacher and Aquarium Guide: conducted marine ecology classes and instruction for school age & college students, and organizations. Provided tours of the aquarium with emphasis on fish and wildlife local to the Gulf of Mexico and the state of Texas.

Florida Environmental Health Department; Santa Rosa County Health Department, Milton, Florida – Environmental Health Specialist (I): performed professional environmental work as related to On-site Sewage Treatment and Disposal Systems, Rabies, Tanning, Healthy Drinking Water, Mobile Home Parks, Group Care Facilities, and Sanitary Nuisances. Specialist sampled and monitored sites under the State Underground Petroleum Environmental Response Act. Obtained Inspector certificates, conducted site assessments, and worked closely with home builders, septic system contractors, plumbers, group care providers, mobile home park managers, home owners, business managers, and general public.

Florida Environmental Health Department; Pasco County Department of Health, New Port Richey, Florida – Environmental Health Specialist: assessed public beach areas and collected water samples for the Healthy Beach Program. Responsible for locating, recording global position of test sites, and collected water samples for investigation purposes under the State Underground Petroleum Environmental Response Act and obtained basic SUPER Act Solo GPS Training Certification.

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Alaska Department of Fish & Game; Ground fish, Shell fish Fisheries & Salmon Commercial Fisheries, Kodiak, AK – Fish and Wildlife Technician (II, III): responsible for statistical data entry and report generation of ground fish and shellfish species for the Alaska Westward region; conducted field work and data collection for management purposes. Other duties include issuing state vessel and gear registration, participation in vessel, catch, and gear inspections and conducting crew interviews as well as provided logistics, field, and lab support.

LAWRENCE MALIZZI, PG
Natural Resource Advisor Program Manager
Matrix New World Engineering Inc.

Professional Qualifications

Mr. Malizzi has 21 years of experience in spill response, Natural Resource Damage Assessment (NRDA), geology, hydrogeology, due diligence, and remediation. He is currently Program Manager for the Natural Resource Advisor Program in support of the MC252 Deepwater Horizon Response in the Gulf of Mexico. Mr. Malizzi has responsibility for the Matrix Spill Response Practice, the Mobile, Alabama and Wilmington, Delaware offices, and private sector business development. Mr. Malizzi has managed projects involving spill response, NRDA, major due diligence portfolios, groundwater and soil remediation, and hazardous and solid waste management. He has extensive experience providing these services to the insurance, oil and gas, financial, and automotive sectors. Mr. Malizzi is an active member of the International Bunker Industry Association and the Vice President of the Chesapeake-Potomac Chapter of the Society of Environmental Toxicologists and Chemists. He has spoken extensively on spill and other environmental topics in both the US, Canada, and EU. In addition, he has managed staff, had P/L responsibility for multiple offices, written numerous technical reports, testified at environmental hearing boards, participated in many public meetings, and published technical papers. He has set up and managed alliances with other consulting firms in the US, Canada, and the United Kingdom. Mr. Malizzi has also travelled extensively and lived abroad as part of his responsibilities.

Education

MS, Geology, Rutgers University, Geology, 1989
BS, Geoscience, Montclair State College, 1987

Professional Certifications and Registrations

Professional Geologist – Delaware, #S4-0000947, 1995
Professional Geologist – Pennsylvania, #PG001031G, 1995
40-Hour OSHA Hazardous Waste Safety and Health Operations
8-Hour OSHA Refresher Training for Hazardous Waste Operations
New Jersey UST Certifications- Closure and Subsurface Evaluator, NJDEP #0024760

Professional Affiliations

Vice President, Chesapeake-Potomac Regional Chapter of the Society of Environmental Toxicologists and Chemists
International Bunker Industry Association

Professional Experience

BP, MC252 Deepwater Horizon Spill Response, Gulf of Mexico –

- **Natural Resource Advisor (NRA) Program Manager-** instrumental in creating and, subsequently, managing all day-to-day aspects of the NRA program, which was created to ensure Section 7 (threatened and endangered species) compliance in coordination with the United State Fish & Wildlife Service, the National Oceanographic and Atmospheric Administration, and state agencies from Florida, Alabama, Mississippi, and Louisiana. Responsibilities include directing the training of the 98 NRAs in the 4 affected states, providing necessary equipment and supplies, administering the scheduling of replacement NRAs, review of daily 214 reports, and Best Management Practices checklists, and providing technical assistance to the NRA team leads. The NRAs are responsible for providing environmental contractor oversight during cleanup, reconnaissance, and recovery of oil and oiled debris from beaches and state parks. NRAs also conduct threatened and endangered species surveys, educate the public on the goals of the NRA program, document daily observations, and prepare a daily reports and completed the BMP checklist using handheld Trimble Nomads.
- **Wildlife Operations Project Manager-** for the Houma and Mobile Commands and was responsible for field biologists capturing and rescuing oiled wildlife whose responsibilities included assisting the United States Fish and Wildlife Services and state agencies from Florida, Alabama, Mississippi, and Louisiana. Tasks included habitat patrol and wildlife assessments, evidence collection, assessing and reporting locations where damaged boom systems and oil slicks were present, and coordinating the radio dispatch and GIS mapping operations. Staff included 19 Matrix biologists and 60 Paraprofessionals. This work was done in close coordination with

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Tri-State Bird Rescue and Research.

- **Florida State Liaison**- for the Mobile Sector Incident Command Center located in Mobile, Alabama. As part of the Planning Section– Environmental Unit, Mr. Malizzi responsibilities included assisting the State of Florida in developing protective strategies for implementation of the Mobile Sector Area Contingency Plan (ACP) and identifying State sensitive areas not covered in the ACP. Mr. Dempsey helped develop the tracking of the booming coverage of all the ACP sites within the Mobile Sector by working with Planning, Operations and the States to assure completion of the ACP coverage requirements.

BP, Katrina Response, Louisiana – Project Manager for the incidence response to hurricane Katrina. The project included the coordination of command post staffing, over flights (both fixed wing and helicopter), water sampling, oil sheen sampling, photo georeferencing to establish baseline conditions, and current studies to establish baseline conditions surrounding the clients' drilling platforms in order to defend against future NRDA, insurance, and third party claims.

Water Quality Insurance Syndicate (WQIS), Katrina Response, Louisiana - Project manager for a marine insurance company. The project consisted of identifying and surveying damaged vessels, specifically investigating pollution releases to the environment or the potential thereof from both vessels and over flights. Product, sheen, and water sampled were collected as part of the scope of work. Vessel locations were georeferenced using GPS and GIS in order to defend against possible future NRDA and third party claims.

Confidential Client, Net Environmental Benefits Analysis (NEBA)/NRD Study, New Jersey – Project manager for a NEBA/NRDA liability study. The technical scope included a biological and economic study of a unique island containing endangered species located in the Delaware River. Remedial options were weighed to minimize ecological impact, as well as value the natural resources present. The final report was used to negotiate settlements with state, local agencies, and developers.

Confidential Client, NRDA Analysis, New Jersey - Remedial alternatives analysis advisor to a PRP group. The site consisted soil and groundwater contamination being remediated under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). Technical scope included report and data review. The information was structured in to a NEBA framework. The PRP group was advised to use air sparing versus pump and treat to protect wetlands from being dewatered.

Confidential Client, Vessel Collision, Louisiana - Project Manager on a vessel collision case, where spilled oil injured wildlife and habitat by affected miles of shoreline along the Mississippi River. The project was on behalf of the correspondent for a UK-based marine insurance firm which represented on of the vessels. Technical scope included reviewing expert reports, analyzing historical data, and running the Type A model to calculate injury. Work products were used to negotiate a settlement.

Water Quality Insurance Syndicate (WQIS), Oil Spill, Massachusetts - Project Manager for the response to a 2,000-gallon oil spill caused by overfill of a refueling ferry in Massachusetts. Technical scope included the collection of sediment and water samples, mapping of oiled areas, interpretation of analytical results, and negotiation with regulators. All work was conducted under the Massachusetts Contingency Plan (MCP). Prompt response by the client prevented the filing of an NRD claim by the state.

Buckeye Pipeline, NRD Settlement, Pennsylvania - Oversaw the development of restoration options at a petroleum spill site in western Pennsylvania north of Pittsburgh. Scope included the design of various restoration options to compensate the public for lost use caused by a pipeline failure and provided a restoration plan for possible presentation to the Pennsylvania Department of Environmental Protection (PADEP).

Confidential Client, Steel Mill Acquisition Portfolio, Pennsylvania - US project manager for a European client looking to

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Natural Resource Advisor Program Manager
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purchase steel mills around the world. Conducted an AAI Phase I of a closed steel mill in Pennsylvania and provided a detailed report with cost estimates to re-open the mill. Recognized Environmental Conditions (RECs) and proposed remedies were also provided as part of the report. Mr. Malizzi worked with an international team to assist the client in the bidding process.

Confidential Clients, E-room Portfolio Reviews, US and Canada – Project participant involved in numerous due diligence projects which consisted of researching hundreds of documents on e-rooms for relevant information. Documents included permits, deeds, leases, historical maps, Phase I and II reports, and remedial action work plans. Tasks included identifying environmental liabilities and quantifying costs to resolve those liabilities as part of a bidding process.

American Financial Real Estate Investment Trust (REIT), Bank Branch Portfolio, Southeastern US - Project manager for bank portfolio projects in the southeastern U.S., Mr. Malizzi managed a 121-site portfolio of bank branches being purchased by a REIT. The scope of work included Phase Is, PCAs, and seismic surveys. Phase IIs were also completed for sites identified with recognized environmental conditions. He managed staff from various offices to produce standardized work product. He also managed mold surveys for 13 sites. The scope included air sampling and reporting.

American Financial Real Estate Investment Trust, Bank Branch Portfolio, Southeastern US - Project manager for another bank portfolio project in the eastern U.S., Mr. Malizzi coordinated the remediation of 10 sites with issues identified via due diligence. The scope of the project included underground storage tank (UST) removal, groundwater remediation, well installation and closure, waste disposal, creation of natural attenuation monitoring plans, and regulatory interface.

Confidential Client, Due Diligence and Baseline Environmental Assessment (BEA), Michigan - Project manager for a client attempting to sell an industrial property in Detroit via the BEA process. Tasks included site delineation and remediation of free-product fuel oil and significant crude oil contamination from historical uses. The scope of services included the installation of soil boring to collect soil and groundwater samples. Analytical results were compared against Michigan Department of Environmental Quality risk-based closure criteria for industrial sites.

Continental Airlines, UST Closure, North Carolina - Project manager for project to identify and delineate the impacts groundwater and soils caused by leaking USTs at Greensboro International Airport. Technical scope included the installation of soil borings to collect soil and groundwater samples, technical reports and regulatory interface to close sites.

Ford Motor Company, Auto Dealership Environmental Compliance, US, Canada, and Mexico – Project Manager for over 40 remediation and compliance projects. Remediation included the removal of hydraulic hoists, USTs, dry wells, and oil/water separators. Tasks included excavation oversight, soil testing and disposal, waste disposal, and regulatory interface/reporting. Compliance included the creation of spill prevention, Control, and Countermeasures (SPCC) plans and compliance auditing. Work was completed as part of a national contract with standard fees and scopes-of-work.

Global Risk Solutions, Environmental Insurance Claims Support, North Carolina – Project Manager for claims support on a multi-million dollar pipeline release. Technical scope included a site visit, data review, cost analysis, and negotiation with the insured, a major oil company, on behalf of the insurer via their insurance adjusters. Third party claims and off-site treatment of waste water and product were also analyzed along with soil and groundwater remediation issues.

XL Insurance, Environmental Support, US - Project Manager for loss control surveys at facilities ranging from chemical manufacturers to the textile industry. Technical scope included site visits to identify compliance status, previously existing environmental conditions, employee training, environmental record keeping, and facility usage. The deliverable consisted of a detailed report of findings, to include recommendations for improvement of environmental compliance by the insured.

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MARGO D. MOSS
Natural Resource Advisor
Matrix New World Engineering Inc.

Professional Qualifications

Ms. Moss has a background that includes a masters of science in environmental biology with ecology, restoration and policy concentration, and a focus on water management and wetlands. She additionally has over two years' experience as an environmental consultant in the Gulf Coast region. Her experience includes conducting impact and needs assessments, and assisting in the review of government-funded wetland restoration projects' conceptual design, construction and monitoring. She has extensive experience assisting in the conceptual development and execution of proposals for wetland restoration, especially involving NRD claims, offset credits and HEA analysis. Ms. Moss has experience with the MC252 Deepwater Horizon Spill researching and analyzing environmental and behavioral health parameters and data being collected by governmental agencies under the NRDA process, and non-governmental groups. Her spill experience also includes the development of technical reports and factsheets examining research activities in the Gulf relating to the spill, and identifying habitats and species most at risk. She additionally has response experience as a Natural Resource Advisor conducting fieldwork, monitoring compliance with environmental regulations and best management practices, and providing recommendations in various locations throughout the Gulf coast. Ms. Moss has experience with Emergency Contingency plans, and capacity building to provide effective assistance by addressing disaster threshold and relevant level of response; communications; access; logistics; personnel safety; interagency communications; pre and post disaster fundraising; and partner engagement protocols.

Education

MS, Environmental Biology with an Ecology, Restoration and Policy Concentration, Tulane University, 2010
BS, Biology with a Ecology and Environmental Biology Concentration, Tulane University, 2007
Field Work, Tropical Biology, Duke University, 2005

Professional Registrations and Certifications

ASFPM Certified Floodplain Manager
24-Hour OSHA Hazardous Waste Operations and Emergency Response Standard (HAZWOPER) Training
8-Hour OSHA HAZWOPER Refresher Updated Annually
Post Emergency Spilled Oil Cleanup Certified (HSEREH1004)
Florida Wildlife Observer (WO) Certified

Professional Experience

MC252 Deepwater Horizon Spill Response, Gulf of Mexico, Natural Resource Advisor, Venice, LA, Grand Isle, LA and Gulf Shores, AL – As a Natural Resource Advisor (NRA), Ms. Moss was responsible for providing environmental contractor oversight during cleanup, reconnaissance, and recovery of oil and oiled debris from beaches and marsh habitats. She implemented Best Management Practices (BMP), as provided by the United States Fish and Wildlife Services in accordance with the Endangered Species Act and other applicable laws, for Shoreline Treatment Recommendations (STR) at oil response and cleanup sites along Alabama and Louisiana's Gulf Coast. NRAs coordinated cleanup activities among local, state, and federal agencies, as well as operations managers and local private stakeholders to ensure contractor cleanup operations could be carried out, while having minimal impact on natural resources and wildlife. She advised the response effort on nesting bird protection areas to reduce bird takes and critical habitat loss. NRAs also conducted threatened and endangered species surveys, educated the public on the goals of the NRAs, documented daily observations, and prepared a daily report and completed the BMP checklist.

Gulf Restoration Network (GRN), New Orleans, LA - Acted as lead on a grant awarded from Tulane University in partnership with the Gulf Restoration Network (GRN), to examine and analyze research activities in the Gulf relating to the oil spill. Researched academic activities and research relating to the Gulf oil spill including unpublished and preliminary data to compiled a database of current, future and proposed activities.

Analyzed the research database to determine gaps and needs in the research, and provide recommendations to the GRN in order to guide policy and advocacy efforts. Developed a project fact sheet and technical reports to disseminate findings to the greater Gulf Coast communities. Presented project findings at GRN's Gulf Gathering Workshop to further educate and encourage community participation.

MARGO D. MOSS
Natural Resource Advisor
Matrix New World Engineering Inc.

Eco-Asset Development, St. Charles Parish and St. Bernard Parish, LA – Assisted in developing eco-asset projections and designs based on carbon-offset methodology from afforestation, reforestation and revegetation of degraded deltaic wetlands. Conducted an environmental impacts assessment of proposed pilot project and viable alternatives.

Lake Ponchartrain Basin Foundation (LPBF), New Orleans, LA – Ms. Moss was responsible for reviewing Environmental Impact Statements (EIS), Project Factsheets and technical reports to help Identify institutional gaps or needs of government-funded projects. Assisted in providing scientific and technical expertise on the Pontchartrain Coastal Lines of Defense (PCLOD) program's priority projects, in support of coastal sustainability and hurricane protection programs.

Louisiana Public Health Institute (LPHI), New Orleans, LA - Supported the Louisiana State Interagency Work Group in coordinating the Impact and Needs Assessment in response to the Deepwater Horizon oil spill event. Coordinated assessment activities with local, state, and federal agencies, as well as environmental stakeholders. Researched environmental and behavioral health parameters and data being collected by governmental agencies under the NRDA process, and non-governmental groups.

Oxfam America, Louisiana, Mississippi and Alabama - Updated the Emergency Contingency Plan to maximize Oxfam's capacity to provide effective assistance by addressing disaster threshold and relevant level of response; communications; access; logistics; personnel safety; interagency communications; pre and post disaster fundraising; and partner engagement protocols. Expanded Oxfam's advocacy and capacity building program to address vulnerable communities' needs for coastal wetland restoration

Conference Proceedings

M.D. Moss, J.O. Karubian, S.K. Mack, and S.M. Longest. "Research in the Gulf of Mexico on the effects of the Deepwater Horizon oil spill." *Gulf Gathering 2010: A United Response to the BP Drilling Disaster.* Weeks Bay, AL. March 2011.

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RACHEL MUNSCH
Natural Resource Advisor Team Lead/Biologist
Matrix New World Engineering, Inc.

Professional Qualifications

Ms. Munsch is a Biologist with 6 years of experience in the environmental industry. Ms. Munsch has been involved in the capacity as team leader, trainer, and field biologist with the BP Environmental Unit MC252 Oil Spill. Her experience provides a working knowledge of environmental compliance measures, Section 7 Consultation, and scientific leadership.

Education

B.S., Biology, emphasis on Embryology Texas A&M University 2010

Professional Registrations and Certifications

40-Hour OSHA
8-Hour OSHA Refresher
Wildlife Observer Training
BP Post Emergency Spill Health and Safety Training
UTV/ATV Certification
Trimble Training

Professional Experience

MC252 Deepwater Horizon Spill Response, Gulf of Mexico, Natural Resource Advisor Team Lead, Pensacola, FL – NRA Team Lead responsible for managing 20 NRAs in Pensacola, FL. As NRA Team Lead, Ms. Munsch served as liaison between Program Manager and team to distribute program directives and request guidance, as resource for NRAs in field regarding daily job responsibilities, compliance issues, and interactions with cleanup operations, USCG, and USFWS, tracked progress of operations for each STR, represented NRA program at daily meetings, reviewed reports submitted by team and compiled 214 daily reports, reviewed BMP checklists submitted by team daily, submitted BMP compliance report, 214, and BMP checklists to operations, USCG, and USFWS daily, developed and maintained work schedule and field assignments, and provided ongoing training and distribute materials to team. Rachel also helped establish the program in the beginning stages and has been involved as Team Lead since the inception of the NRA program. Ms. Munsch worked towards establishing a sterling reputation for the NRA program with cleanup operations and all parties involved.

MC252 Deepwater Horizon Spill Response, Gulf of Mexico, Natural Resource Advisor, Pensacola, FL – NRA responsible for providing environmental contractor oversight during cleanup, reconnaissance, and recovery of oil and oiled debris from beaches and state parks along Florida's Gulf Coast. As a NRA, Ms. Munsch was responsible for implementing required BMPs, as provided by the USFWS and Florida Department of Environmental Protection in accordance with the Endangered Species Act and other applicable laws. NRAs implemented BMPs to ensure contractor cleanup can take place, while having the least impact to the natural resources and wildlife. NRAs also conducted threatened and endangered species surveys, educated the public on the goals of the NRAs, documented daily observations, and prepared a daily report and completed the BMP checklist. She worked with Trimble GPS devises to document information in real-time while in the field. Rachel also acted as a spokesperson for the development for the NRA program development of the Trimble BMP programs.

CLARE P. SULLIVAN, CHMM, CSP
Environmental Health and Safety Manager
Matrix New World Engineering, Inc.

Professional Qualifications

Ms. Sullivan has more than 25 years of diverse experience in the performance of comprehensive assessments used in the evaluation of potential liabilities associated with property transfers, site development the evaluation of a facility's compliance with regulatory requirements, and the evaluation of contaminated areas on-site. In addition, Ms. Sullivan is experienced in the management and performance of hazardous materials surveys, including surveys of asbestos, lead-based paint, and PCBs, as well as the designs for abatement/management and construction oversight. In addition, Ms. Sullivan has managed numerous hazardous waste screenings of project corridors, and has conducted preliminary site assessments, site investigations, underground storage tank closures, remedial investigations, construction oversight, source removal, operation and maintenance, and long term monitoring projects. She also has successfully negotiated alternate scopes of investigation/cleanup criteria with the New Jersey Department of Environmental Protection (NJDEP). Ms. Sullivan has experience in the validation of analytical data packages in accordance with NJDEP Standard Operation Procedures and has prepared Quality Assurance Project Plans (QAPP) for remedial investigations at various sites under federal and state oversight. Ms. Sullivan served as a Hazardous Site Mitigation Specialist for NJDEP where she conducted comprehensive preliminary site assessments and site investigations under the authority of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) and Resource Conservation and Recovery Act of 1976 (RCRA).

Education

MS, Environmental Science, NJIT, 1990
Graduate course work (Marine Ecology), Southern Connecticut State University, 1984
BS, Biology, Fairfield University, 1982

Professional Registrations and Certifications

40-Hour OSHA Hazardous Waste Safety and Health Operations, 1987
8-Hour OSHA Refresher Training for Hazardous Waste Operations – Updated Annually
NY State/AHERA Asbestos Inspector and Management Planner, 1990
NYC Asbestos Investigator License, 2003
NY State/AHERA Accredited Asbestos Project Designer, 1999
Certified Hazardous Materials Manager, #2906, 1991
Confined Space Entry, 2001
NJDEP Certified UST Subsurface Evaluator, #0012565, 1992
ANSI-RAB NAP Accreditation Program-Lead Environmental Management System Auditors, 2000
NJ Transit Roadway Worker Safety Training – Updated Annually
Amtrak On-Track Safety for Contractors – Updated Annually
MTA Metro North Railroad Roadway Worker Procedures – Updated Annually
Voting Member, ASTM Committee E-50 on Environmental Assessment, 1994
Certified Safety Professional, Board of Certified Safety Professionals, 2004
NJDEP Cleanup Star, 2005

Professional Affiliations

Voting Member, ASTM Committee E-50 on Environmental Assessment
Women in Transportation
Academy of Certified Hazardous Materials Managers

Professional Experience

NJ Transit, Access to the Regions Core Project, New York/New Jersey - Project Director responsible for the preparation of the hazardous materials sections of the environmental assessment/environmental impact statement for this project which will expand Trans-Hudson rail service to Midtown Manhattan. Work under this contract included: identification of areas of environmental concern in buildings and/or properties to be acquired (due diligence), impacted, and/or demolished; identification and delineation of the extent of areas of contaminated and hazardous materials; management (handling, transportation and disposal) of contaminated materials during

construction (soil, groundwater, surface water, sediment, ballast, asbestos, lead-based paint, construction debris); and preparation of appropriate environmental documents (NEPA), contract documents (plans and specifications), and permits for construction.

NJ Transit, Passaic Bergen DMU MOS, Bergen and Passaic Counties, New Jersey – Project Director providing environmental services related to the preparation of an Environmental Impact Statement (EIS) and performance of an Environmental Site Investigation for the Passaic Bergen Diesel Multiple Unit (DMU) MOS Project. The project involves the restoration of passenger rail service within the existing New York Susquehanna and Western (NYS&W) right-of-way along a 10.2 mile corridor from Hawthorne to Hackensack. This project proposes to upgrade existing NYS&W infrastructure, and restore two-track commuter rail service operated by NJ Transit. The project would construct up to 12 passenger stations, two park-and-ride facilities, a vehicle maintenance facility, and improvements to track and signal infrastructure. The passenger rail service would operate every 15-30 minutes between Hawthorne and Hackensack using DMU vehicles.

NJ Transit, Trans-Hudson-Express Tunnel, NJ/NY – Project Director responsible for the performance of environmental investigation activities as part of Preliminary Engineering services for the Trans-Hudson-Express Tunnel project, which will expand commuter rail operations as part of the Access to the Regions Core project. The scope of services under PE include the loop tracks, Northeast Corridor improvements, alignment approaches to the tunnels, ventilation facilities, the tunnels, maintenance and storage yards, signal systems, the 34th Street Station and power supply. Specific work under this contract includes the preparation of Sampling and Analysis Plans, performance of environmental site investigation activities at specific contaminated sites within the project area, and preparation of site investigation reports. Additional services include environmental oversight and the collection and analysis of environmental samples along the entire proposed alignment.

NJ Transit Port Imperial Ferry Terminal, Weehawken, New Jersey - Project Director providing field and office engineers for the oversight of the construction of a new ferry terminal being constructed by NJ Transit for the use of NY Waterway. Matrix field engineers were responsible for inspecting the construction for compliance with the plans and specifications, and coordinating, resolving and documenting changes due to conditions encountered during construction. In addition, Matrix also provided office engineers to assist the Project's Resident Engineer in coordinating and processing change orders, requests for information, contractor submittals, and other project documentation for this $40 million dollar project. Matrix was responsible for logging and tracking the documents, and following up with the architect, design engineers, and contractor on the status and schedule for submittals. Matrix also assisted in the oversight of the installation of precast and cast-in-place concrete, structural steel, and interior finishing.

NJ Transit Hoboken Terminal, Hoboken, NJ – Project Manager supporting the Resident Engineer in providing construction management and oversight for NJ Transit on the Hoboken Ferry Terminal improvement project. The project includes the rehabilitation and modernization of the intermodal transportation hub for ferries, trains, buses, and the PATH subways. The old ferry slips are being completely reconstructed, and the channel for the slips dredged to access the main Hudson River channel. Matrix provided technical support by overseeing and monitoring the dredging. Services included field oversight of the dredging and disposal operations, and tracking of the quantities of dredged material. Matrix is also provided on-site support in overseeing other elements of the project including the construction of a new wheel truing facility, which will expand the train maintenance operations at the Terminal.

NJ Transit, Graw Interlocking Right-of-Way Improvements, Rahway, NJ – Project Manager responsible for subsurface investigation and geotechnical investigations in the area of the proposed Right-of-Way improvements to provide recommendations for catenary foundation design, retaining wall design, soil reuse, general earthwork construction, and to prepare an Environmental Assessment Report, as required by NJDEP Executive Order 215. The project was completed within the approved schedule and budget.

NJ Transit, Ambrose Arch Bridge, Middlesex, NJ – Project Director for the performance of a hazardous materials

investigation, preliminary assessment/limited site investigation and Executive Order (EO) 215 associated with the replacement of the Ambrose Arch Bridge.

NJ Transit, Northern Bus Maintenance Facility, Clifton, NJ – Project Director for the performance of a remedial investigation at the location of a proposed bus maintenance facility which historically included extensive creosoting operations. Matrix was responsible for overseeing the subsurface environmental field investigation which included the installation and sampling of numerous soil borings and installation and sampling of overburden and bedrock monitoring wells. Conducted a comprehensive asbestos and lead survey in an existing warehouse facility located on the site.

New Jersey School Construction Corporation (NJSCC), Burlington City High School, Burlington, NJ - Project Director in charge of environmental and civil engineering services as part of school renovation. Matrix provided oversight services during the removal of asbestos-containing materials from existing building structures prior to demolition. Supplemental surveys were conducted of the existing structures to locate ACM undiscovered by previous building surveys. Matrix prepared emergency specifications and guidelines for the abatement of newly identified ACM. Matrix conducted a limited Remedial Investigation of the work area to identify the limits of fill material that was previously interred on the property prior to the Burlington Board of Education acquiring the property. As part of school expansion and athletic field redevelopment activities, Matrix conducted a limited Remedial Investigation identified fill material across the eastern portion of the property beneath the proposed addition and athletic fields. Matrix prepared a Remedial Action Work Plan (RAWP) which would incorporate a remedial action of the surface soils and engineering controls, in the form of a Deed Notice. The RAWP was reviewed and approved by NJDEP. Matrix provided oversight for the removal of approximately 4,500 cubic yards of material and the placement of certified clean fill around the newly constructed building addition.

New Jersey School Construction Corporation (NJSCC), Wilbur Watts Intermediate School, Burlington, New Jersey - Project Director providing environmental engineering services for a new middle school building that included demolition of the existing school, and construction of new Board of Education Offices, a varsity athletic field, track, playground equipment, basketball courts and parking areas. Matrix provided oversight services during the removal of asbestos-containing materials (ACM) from the existing building structures prior to demolition. Supplemental asbestos surveys were conducted of the existing structures to locate ACM undiscovered by previous building surveys. The results were documented in detailed reports, and emergency specifications and guidelines were prepared for the abatement of newly identified ACM.

New Jersey Schools Construction Corporation (NJSCC), Environmental Site Investigation, Dayton Avenue School Campus, Passaic, New Jersey – Program Manager responsible for the performance of supplemental environmental site investigation work, supplemental hazardous materials surveys, preparation of abatement/remediation plans and specifications, and abatement monitoring services for a proposed Dayton Avenue School Campus. Ms. Sullivan reviewed prior survey reports prepared for the subject property and conducted additional surveys to determine the extent of asbestos and lead-based paint in the existing hospital structure which was slated for demolition in preparation for the new Dayton Avenue School. A comprehensive survey findings report was prepared, and observations were made regarding the potential presence of other hazardous materials (e.g., mercury-containing materials, PCB-containing equipment and medical waste). Ms. Sullivan reviewed and confirmed prior Preliminary Assessment/Site Inspection (PA/SI) reports and their findings, and installed and sampled groundwater monitoring wells to delineate the extent of groundwater contamination identified on-site and to determine the impact on groundwater from a former underground storage tank. Additional investigation activities were performed to ensure that all areas of concern (AOCs) and excavated material for removal or re-use were adequately characterized.

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TERA MALDONADO
Natural Resource Advisor
Matrix New World Engineering, Inc.

Professional Qualifications
Ms. Maldonado

Education
B.S., Biology, Minor: Marine Science University of Wisconsin, 2007

Professional Registrations and Certifications
Wildlife Observer Training
BP Post Emergency Spill Health and Safety Training
UTV/ATV Certification
Trimble Training

Professional Experience
MC252 Deepwater Horizon Spill Response, Gulf of Mexico, Natural Resource Advisor Team Lead, Grand Isle, LA – NRA Team Lead responsible for managing 13 NRAs in Grand Isle, LA. As NRA Team Lead, Ms. Maldonado served as liaison between Program Manager and team to distribute program directives and request guidance, as resource for NRAs in field regarding daily job responsibilities, compliance issues, and interactions with cleanup operations, USCG, and USFWS, tracked progress of operations for each STR, represented NRA program at daily meetings, reviewed reports submitted by team and compiled 214 daily reports, reviewed BMP checklists submitted by team daily, submitted BMP compliance report, 214, and BMP checklists to operations, USCG, and USFWS daily, developed and maintained work schedule and field assignments, and provided ongoing training and distributed materials to team, and managed online documentation of bird nesting sites and implementation of protective measures to nest sites.

MC252 Deepwater Horizon Spill Response, Gulf of Mexico, Natural Resource Advisor, Grand Isle, LA – NRA responsible for providing environmental contractor oversight during cleanup, reconnaissance, and recovery of oil and oiled debris from beaches and state parks along Louisiana's Gulf Coast. As a NRA, Ms. Maldonado was responsible for implementing required BMPs, as provided by the USFWS and Louisiana Department of Wildlife and Fisheries in accordance with the Endangered Species Act and other applicable laws. NRAs implemented BMPs to ensure contractor cleanup can take place, while having the least impact to the natural resources and wildlife. NRAs also conducted threatened and endangered species surveys, educated the public on the goals of the NRAs, documented daily observations, and prepared a daily report and completed the BMP checklist. She worked with Trimble GPS devises to document information in real-time while in the field.

DONALD C. WENDT JR., RG
Natural Resource Advisor
Matrix New World Engineering, Inc.

Professional Qualifications

Mr. Wendt is a Geologist/Office Engineer/Field Inspector with over 23 years of experience in the areas of spill response, construction management and inspection, contractor oversight, inspection and supervision of drilling and environmental monitoring. Mr. Wendt worked in the Mobile Sector Incident Command Center (ICC) with the states of Alabama and Florida as part of the Environmental Unit for the MC252 Deepwater Horizon Spill. Acting as a state liaison on behalf of BP. Mr. Wendt oversaw the development of booming strategies and the deployment of boom as per the requirements of the Area Contingency Plan (ACP). Mr. Wendt also assisted the states with administrative and logistical support activities. He also assisted the Environmental Unit Leader, or their designee in a multitude of environmental compliance tasks associated with protecting and mitigating the impact of oil on the coast of the Gulf of Mexico. Mr. Wendt was a Natural Resource Adviser (NRA) and Assistant Program Manager for the NRA Program. The NRA program involved the use of geologists, biologists, archeologists and other scientists to oversee compliance with agency approved Best Management Practices (BMPs) The NRA's, using a BMP Checklist, ensured that operations crews minimized further damages to natural resources during cleanup activities. Mr. Wendt was assistant program manager for the NRA Program. He provided administrative and logistical support to the NRAs in Florida, Alabama, Mississippi and Louisiana. He also supported the Environmental Unit and regulatory personnel in training NRAs in proper implementation of the BMP checklist and assisted operations staff with compliance issues. His responsibilities have included the preparation of specifications and procedures, cost estimating, scheduling, charge order processing, punch list preparation and project closeout. Mr. Wendt has prepared daily, weekly and payment processing. In addition, he has supervised subcontractors, preformed oversight of contractors and subcontractors, verified quantities. Mr. Wendt has worked on numerous US Environmental Protection Agency and New Jersey Department of Environmental Protection sponsored remedial investigations, cleanups, and oversight projects.

Education

BA, Geology, Jersey City State College, NJ, 1989
Construction Management Certificate, NJIT 2009

Professional Registrations and Certifications

40-Hour Health and Safety Training, OSHA
8-Hour Supervisor Health and Safety Training, OSHA
New York State/EPA AHERA Asbestos Building Inspector, 2009
SSPC C-3 Supervisor/Competent Person Training for De-leading of Industrial Structures
Registered Geologist, Tennessee No. RG 0594
Certified Subsurface Evaluator - NJDEP No. 0012933
Construction Management Training (24 Hour), NJ Transit/New Jersey Institute of Technology, 2009

Professional Experience

MC252 Deepwater Horizon Spill Response, Gulf of Mexico, NRA Program Manager, LA, MS, AL, FL – Natural Resource Advisor (NRA) Program Manager responsible for managing all day-to-day aspects of the NRA program. Ms. Evertsen's responsibilities include directing the training of new NRAs, provides NRAs in the field with all necessary equipment and supplies, administering the scheduling of replacement NRAs, review of daily 214 reports, and BMP checklists, overseeing the distribution of 214s and BMP checklists to appropriate agencies, and providing technical assistance to the NRA team leads. Ms. Evertsen coordinated field observations from the NRAs with all appropriate state and federal agencies as part of Section 7 (threatened and endangered species) and Section 106 (cultural and historical resources) compliance.

MC252 Deepwater Horizon Spill Response, Gulf of Mexico, Natural Resource Advisor, Destin, Florida and Grand Isle, LA – NRA responsible for providing environmental contractor oversight during cleanup, reconnaissance, and recovery of oil and oiled debris from beaches and state parks along Florida and Louisiana's Gulf Coast. As a NRA, Ms. Evertsen was responsible for implementing required Best Management Practices (BMPs), as provided by the United States Fish and Wildlife Services in accordance with the Endangered Species Act and other

DONALD C. WENDT JR., RG
Natural Resource Advisor
Matrix New World Engineering, Inc.

applicable laws. NRAs implemented BMPs to ensure contractor cleanup can take place, while having the least impact to the natural resources and wildlife. NRAs also conducted threatened and endangered species surveys, educated the public on the goals of the NRAs, documented daily observations, and prepared a daily report and completed the BMP checklist.

New Jersey Department of Property Management and Construction, New Fiber Path, New State Police Headquarters, West Trenton, NJ – Mr. Wendt is the construction manager for the installation of a new 3500 LF of fiber optic cable run. His responsibilities included preparation of the plans and specifications, preparing the engineers estimate, project schedule and assisting in the preparation of the bid documents. Mr. Wendt also is also responsible for overseeing the contractor during the execution of the contact. He will also aid in the preparation of project as-builts and punch lists.

New York City Transit, Indefinite Quantity Consulting Contracts for the Supervision, Air Monitoring and Support in Connection with Asbestos Abatement and Lead Paint Removal Services - Mr. Wendt provided air monitoring and support services during lead abatement activities on NYCT structures and stations. Mr. Wendt also evaluated sampling results to ensure compliance with permissible exposure limits and prepared reports documenting work practices and sampling results to ensure compliance with SSPC guidelines.

New York City Transit, Mother Clara Barton Bus Depot, Harlem New York City, NY - As part of the design build team, Mr. Wendt acted as the Field Engineer and Design Liaison on the 214 million dollar design build Project for STV Inc. and Silverite Construction Corp. Mr. Wendt's duties included keeping the designer appraised of ongoing construction operations and deviations from approved drawings and specifications. Mr. Wendt also facilitated the flow of nonconformance reports, RFIs and submittals between the designer and contractor. Work on the Project includes H pile installation, concrete foundations and floor slabs, structural steel, metal panels, precast concrete and miscellaneous finishes.

Kane Mitigation, New Jersey Meadowlands, Moonachie, NJ – Mr. Wendt was the construction manager for a phase of this wetland mitigation project that involved the creation of a 7000 acre tidal wetlands. Mr. Wendt was responsible for all cost estimates and scheduling for the project as well as assisting with the preparation of plans and specifications. He also prepared daily field reports, time and materials and materials tickets, processed submittals, ordered of materials, and interaction with the client and their consultants.

New Jersey City University, Jersey City, NJ - Remediation Construction Oversight Engineer at the NJCU facility. NJCU is currently in the remediation phase of their $400M Brownfield redevelopment. Responsibilities include supervision and oversight of the 3rd party Remediation Contractor and Consultant including review of the design plans, construction specifications, Soil Reuse Plan, applicable permits, dewatering and storm water discharge plans, and the NJDEP-approved Remedial Action Work Plan (RAWP). Daily duties include: Documentation of the work scope as defined in the construction specifications, RAWP and Perimeter Air Monitoring Plan (PAMP), including state and local permits and approvals; Maintaining a daily log documenting the remedial action work activity is accurately recorded and documented; Participation in weekly project related meetings at the site during the course of construction; Collection of construction progress digital photographs of key work activities on a weekly basis; Ensure perimeter air monitoring and Health and Safety compliance is performed accurately and continuously during the project per the PAMP; Review NJDEP and other agency submittals; Prepare a daily inspection reports to NJCU representatives regarding the completed daily activities and projected next day activities; Reviewing analytical data for waste classification and post-excavation soil sampling.

New Jersey School Construction Corporation (NJSCC), Burlington City High School, Burlington, NJ – Mr. Wendt provided Construction Inspection Services for the inspection/oversight of environmental and civil engineering services as part of school renovation/athletic field renovation. Prior environmental investigations of the property indicated that the proposed school wing and athletic fields were located on areas of previously landfilled material. Matrix prepared a Remedial Action Work Plan (RAWP) which would incorporate a remedial action of

the surface soils and engineering controls, in the form of a Deed Notice. The RAWP and ensuing construction documents included compaction of existing waste, soft spot excavation, and the capping of the athletic field with clean fill. Soils were reused to the extent possible. Matrix oversaw the compaction of the waste identified area that needed excavation and placement of select fill to ensure future settlement of the solid waste would be minimal. Following compaction and excavation oversight, a geotextile fabric was placed over the areas that historically displayed settlement and pot holing in effort to minimize these conditions. Two feet of clean fill material including topsoil was placed over the areas identified during the previous environmental investigations as containing solid waste. Construction documents were created by Matrix for the onsite contractor to review and perform the work as detailed. Mr. Wendt oversaw that the contractor performed the work as detailed in the construction documents. Following initial site improvements, grade surveys were conducted in an effort to control the amount of fill that would be needed and to ensure that the correct thickness of capping material was emplaced to meet the designed final elevations. Stormwater inlets were adjusted and re-piped during the capping procedure to ensure that proper drainage would be achieved once final design elevations were achieved. Contractor submittals were reviewed and approved by Mr. Wendt to ensure that all materials proposed for the project met the construction specifications. The RAWP was reviewed and approved by NJDEP. Mr. Wendt provided oversight for the removal of approximately 4,500 cubic yards of impacted materials and the placement of approximately 25,000 cubic yards of certified clean fill around the newly constructed building addition and athletic fields.

NJ Transit, New Wheel True Facility, Hoboken Terminal and Yard, Hoboken, NJ - Construction Manager and Lead Inspector providing construction management and oversight for NJ Transit on the Hoboken Terminal and Yard Complex New Wheel True and Employee Welfare Facility project. The project included the demolition and replacement of the existing Wheel True Building and associated machinery, and demolition and replacement of the existing employee Welfare Facility building. The project also included reconstruction of a bulkhead structure adjacent to Long Slip Channel, relocation of existing maintenance rail and catenary lines, and access road reconstruction. Mr. Wendt's responsibilities included daily inspection of contractor activities, change order evaluation, negotiation and processing, schedule review, submittal review, payment processing, preparation of punch lists and project close out.

New York City Transit Authority, Second Avenue Subway, New York, NY – Environmental Scientist providing environmental services, including field investigation work, environmental and geotechnical boring oversight, groundwater sampling, data management, and report preparation during the preliminary engineering phase of the project. Mr. Wendt performed hazardous materials field investigations to evaluate the presence of soil and groundwater contamination during the advancement of geotechnical and environmental borings and test pits being conducted over the length of the project area (approximately 8.5 miles). Specifically, Mr. Wendt was responsible for coordinating and maintaining schedules and locations between the drillers, Second Avenue Subway office personnel, and field sampling crews. Matrix was responsible for the oversight and screening of soil and rock boring locations, hand clearing of holes for utilities prior to mobilization of the drill rig to each location, well development and groundwater sampling, management and staging of contaminated materials generated during drilling and well development, and screening of test pits excavated for the purpose of identifying buried utilities.

Metro-North Railroad (MNR), Croton-Harmon Rail Yard, Croton-on-Hudson, NY – Construction Inspector responsible for oversight of construction activities pertaining to the construction of new coach and locomotive shops. Mr. Wendt also oversaw environmental issues relating to the project.. He preformed air monitoring for both particulate and chemical parameters to determine the potential for exposure to site personnel. Mr. Wendt also preformed tests on site soils to determine proper disposal procedures. Additionally, he inspected various erosion controls to determine if the contractor was in compliance with current regulations. Mr. Wendt advised construction management and MNR personnel on various environmental and safety issues. Work included demolition and construction of several buildings, demolition of 200,000-gallon fuel tank, and installation of sanitary and storm sewers, water main, and electrical conduits.

CROWDER GULF

Appendix E – Equipment

State of New Jersey

RFQ –Waterways Debris Removal Services

APPENDIX E - EQUIPMENT LIST

Eq. No.	Equipment Type/Model	Description 1	Description 2	Size
1	BARGE DECK SWEEP WITH	STANCHIONS 100'X40'X8.7	(DRAFT)	100'X40'X8.7'
2	BARGE DECK 34'X70'X7' EX 584	HOISTER HULL		34'X70'X7'
3	BARGE DECK W/STANCHIONS	100'X8'X9' (DRAFT)		100'X8'X9'
4	BARGE DECK SWEEP	100'L X 40W X 9' (DRAFT)		100'X40'X9'
5	BARGE DECK	85'X36'X8' (DRAFT)		85'X36'X8'
6	BARGE DECK	100'X38'X9' (DRAFT)		100'X38'X9'
7	BARGE DECK 40'X100'X8.7' EX			40'X100'X8.7'
8	BARGE DECK 110X34X11 EX NAVY	YFN806		110'X34'X11'
9	BARGE DECK	100'X38'X9' (DRAFT)		100'X38'X9'
10	BARGE DECK 120'X30'X6.5'	DRAFT EX-ADCO 364		120'X30'X6.5'
11	BARGE SECTIONAL DECK 60'X27'X	6.5'ASSEMBLED OF 5 SECTIONS 2	RAKES @ 27'X9', 3 MID SECTIONS	60'X27'X6.5'
12	BARGE FLAT 180	180'X54'X12' (DRAFT)		180'X54'X12'
13	BARGE DECK (EX NAVY SWOB)	106'X26'X8.25' PURCHASED FROM	US NAVY 11/98	106'X26'X8.25'
14	BARGE DECK 120'X30'X6.5' FLAT	EX-ADCO 366 EX 332 (BOOSTER	REMOVED)	120'X30'X6.5'
15	BARGE DECK 110X35X8 EX COVERED	LIGHTER FROM DRMS		110'X35'X8'
16	BARGE DECK 110X34X8 EX COVERED	LIGHTER FROM DRMS		110'X34'X8'
17	BARGE DECK SPUDSWELLS	EX GATES 46	104'x40'x5'	104'x40'x5'
18	BARGE DECK W/SPUD WELLS	EX GATES 47	104'x40'x5'	104'x40'x5'
19	BARGE 110'X35'X11' DECK	EX NAVY		110'X35'X11'
20	BARGE 110'X35'X11' DECK	EX NAVY		110'X35'X11'
21	BARGE 110'X35'X11' DECK	EX NAVY		110'X35'X11'
22	BARGE 110'X35'X11' DECK	EX NAVY		110'X35'X11'
23	BARGE 110'X35'X11' DECK	EX NAVY		110'X35'X11'
24	BARGE DECK 110X32X8			110'X32'X8'
25	BARGE DECK,SPUDS 96'2"X48'2"X	8',(4)SQUARE SPUDWELLS &	(3)SPUDS	96'2"X48'2"X8'
26	BARGE 142X58X12 DECK WITH SPUD	WELLS FOR CRANE EX 567 EXYD242		142X58X12
27	BARGE DECK SPUDS (2) 36" DIA	104'X40'X8' (DRAFT)	MATTED EX WEEKS 293	104'X40'X8'
28	BARGE DECK W/4 18" SQUARE	INTERNAL SPUDS 110X54X8(DRAFT)	EX DIAMOND, EX WEEKS 263	110'X54'X8'
29	BARGE DECK	135'X50'X11' (EX COMMERCE)	HULL OF 304 BOOSTER	135'X50'X11'
30	BARGE DECK WITH 2 36" DIA INT	SPUDS, MATTED EX WEEKS 265	135X50X11.5 (DRAFT)	135'X50'X11.5'
31	BARGE DECK W/2 36" DIA INT	SPUDS MATTED EX STEERS EX 294	135X50X11.5 (DRAFT)	135'X50'X11.5'
32	BARGE DECK 105'X 70'X 12'10"	WITH CRANE TO BE REMOVED. FROM	DRMS	105'X70'X12'10"
33	BARGE HOPPER 150X37X12'9"	NYCDOS #DS123	NASHVILLE BRIDGE 2225 CY	150'X37'X12'9"
34	BARGE HOPPER 150X37X12'9"	NYCDOS #DS126	NASHVILLE BRIDGE 2225 CY	150'X37'X12'9"
35	BARGE HOPPER 150X37X12'9"	NYCDOS #DS127	NASHVILLE BRIDGE 2225 CY	150'X37'X12'9"
36	BARGE HOPPER 150X37X12'9"	NYCDOS #DS132	NASHVILLE BRIDGE 2225 CY	150'X37'X12'9"
37	BARGE HOPPER 150X37X12'9"	NYCDOS #DS135	NASHVILLE BRIDGE 2225 CY	150'X37'X12'9"
38	BARGE HOPPER 150X37X12'9"	NYCDOS #DS142	NASHVILLE BRIDGE 2225 CY	150'X37'X12'9"
39	BARGE HOPPER 150X37X12'9"	NYCDOS #DS143	NASHVILLE BRIDGE 2225 CY	150'X37'X12'9"
40	BARGE HOPPER 150X37X12'9"	NYCDOS #DS145	NASHVILLE BRIDGE 2225 CY	150'X37'X12'9"
41	BARGE HOPPER 150X37X12'9"	NYCDOS #DS152	NASHVILLE BRIDGE 2225 CY	150'X37'X12'9"
42	BARGE HOPPER 150X37X12'9"	NYCDOS #DS154	NASHVILLE BRIDGE 2225 CY	150'X37'X12'9"
43	BARGE HOPPER 150X37X12'9"	NYCDOS #DS112	NASHVILLE BRIDGE 2225 CY	150'X37'X12'9"
44	BARGE HOPPER 150X37X12'9"	NYCDOS #DS119	NASHVILLE BRIDGE 2225 CY	150'X37'X12'9"
45	BARGE HOPPER 150X37X12'9"	NYCDOS #DS139	NASHVILLE BRIDGE 2225 CY	150'X37'X12'9"
46	BARGE HOPPER 150X37X12'9"	NYCDOS #DS144	NASHVILLE BRIDGE 2225 CY	150'X37'X12'9"
47	BARGE DECK WITH STANCHIONS	215.1'X42.1'X15' (DRAFT)		215.1'X42.1'X15'
48	BARGE DECK WITH STANCHIONS	230.2'X43.2'X14.5' (DRAFT)		230.2'X43.2'X14.5'
49	BARGE DECK WITH STANCHIONS	230.2'X43.2'X14.5' (DRAFT)		230.2'X43.2'X14.5'
50	BARGE DECK (TANK)250'X44'X14.5	EX CON ED CLEAN ENERGY #3	PURCHASED AT AUCTION, JJ KANE	250'X44'X14.5'
51	CRANE 10 TON OVERHEAD 45	DESHAZO		
52	CRANE 7.5 TON OVERHEAD	LAFAYETTE, 80'X40'X20'	DRESSER	
53	CRANE 10 TON OVERHEAD RELIABLE	50'X65'X22' ELECTRIC HOIST		
54	CRANE TOWER ALIMAK			
55	CRANE TOWER ALIMAK			
56	BARGE 7800 YD HOPPER	300'L, 60'W, 23 W', CONRAD	HULL ON CONTRACT C-690, BUILT	300'L, 60'W, 23 W'
57	BARGE 7800 YD HOPPER	300'X62'X23' BUILT 8/00 ON	CONTRACT C691	300'X62'X23'
58	BARGE 7800 YD HOPPER	300'L, 60'W, 23 W' BUILT 8/00	FROM ALABAMA SHIPYARD	300'L, 60'W, 23 W'
59	BARGE 7800 YD HOPPER	300'L, 60'W, 23 W' BUILT 8/00	FROM ALABAMA SHIPYARD ON	300'L, 60'W, 23 W'
60	CRANE 3 TON ELECTRIC HYDRAULIC	6006EH AUTOCRANE SERVICE TRUCK	MOUNTED, 1350 LBS, WHITE	
61	CRANE SHIP'S SERVICE 25-3-70	NAUTILUS HYDRAULIC W/DETROIT	DIESEL POWERED SEPARATE POWER	
62	CRANE SHIP'S SERVICE TC701B	BRODERSON HYDRAULIC 6 TON	CAPACITY, 11'9"X7'9"X8'8"	
63	CRANE SHIP'S SERVICE 20 TON	AURORA 40SSC15000, WHITE,	47'2"X8'9"X10'3"X10'2".....	
64	CRANE 30 TON HYDRAULIC SHIP'S	SERVICE HLRM 100-4S HEILA	KNUCKLE BOOM, NO ROPE	
65	CRANE 3/4 TON PORTABLE	HYDRAULIC FLOOR REGENT JACK	PART NO 8935-011,S/N 0137	
66	CRANE SHIP'S SERVICE 25 TON	PEDESTAL MOUNTED HYDRAULIC		
67	CRANE PEDESTAL MOUNTED	BOOM LENGTH 58'		
68	BARGE DUMP SCOW 6 POCKET	171'X42'X16' (DRAFT)		171'X42'X16'
69	BARGE DUMP SCOW 6 POCKET	171'X42'X16' (DRAFT)		171'X42'X16'
70	BARGE DUMP SCOW 6 POCKET	171'X42'X16' (DRAFT)		171'X42'X16'
71	BARGE DUMP SCOW 8 POCKET	195'X46'X15' (DRAFT)		195'X46'X15'

72	BARGE DUMP SCOW 8 POCKET	195'X46'X15' (DRAFT)		195'X46'X15'
73	BARGE DUMP SCOW 5 POCKET FROM	DRMS INOPERABLE		
74	BARGE DUMP SCOW 5 POCKET FROM	DRMS INOPERABLE		
75	BARGE DUMP SCOW 5 POCKET FROM	DRMS INOPERABLE		
76	BARGE IDLER (EX BEAN)	140'LT,40.1'W,7.6'HT		140'LT,40.1'W,7.6'HT
77	BARGE DECK	165'X40'X11' (EX YON283)		165'X40'X11'
78	BARGE DECK 166'X40'X11 FUEL	EX YON 282 CONVERTED TO DECK	BARGE SERVICE	166'X40'X11'
79	BARGE DECK 165'X40'X11 FUEL	EX YON 260 TO BE CONVERTED	TO DECK BARGE SERVICE	165'X40'X11'
80	BARGE DECK 1/2 CAR FLOAT	164'X38.4'X9'	W/2 SQ INT SPUDS EX GATES 165	164'X38.4'X9'
81	BARGE DECK 164'X38.4'X9	EX GATES 168	1/2 CARFLOAT	164'X38.4'X9'
82	BARGE DECK 169'X39.4'X10'	EX GATES 169	3 INT SPUDS	169'X39.4'X10'
83	BARGE DECK LOADLINE	165'x42.5'x12' (ex B 7)		165'x42.5'x12'
84	BARGE DECK LOADLINE	165'x42.5'x12' (EX B 16)		165'x42.5'x12'
85	BARGE 140X40X12 DECK WITH	STANCHIONS 1100 SHORT TON	CAPACITY	140'X40'X12'
86	BARGE 140X40X12 DECK WITH	STANCHIONS 1100 SHORT TON	CAPACITY	140'X40'X12'
87	BARGE 140X40X12 DECK WITH	STANCHIONS 1100 SHORT TON	CAPACITY	140'X40'X12'
88	BARGE 140X40X12 DECK WITH	STANCHIONS 1100 SHORT TON	CAPACITY	140'X40'X12'
89	BARGE ABS LOADLINE DECK	150X4X8		150'X40'X8'
90	BARGE ABS LOADLINE DECK	150X4X8		150'X40'X8'
91	BARGE ABS LOADLINE DECK	150X4X8		150'X40'X8'
92	BARGE ABS LOADLINE DECK	150X4X8		150'X40'X8'
93	BARGE DECK 190X54X12 EX GATES	ROBERT W LOADLINE		190'X54'X12'
94	BARGE DECK LOADLINE W/(2) 36"	DIA. INT. SPUDS, ANCHOR SPREAD		196'x48'x12'
95	BARGE DECK W/STANCHIONS			120.1'X40.1'X11.2'
96	BARGE DECK W/RAILS, 130'LT,	40'W, 11.67 H, (DRAFT)		130'X40'X11.67'
97	BARGE DECK	90'X30'X9.25' (DRAFT)		90'X30'X9.25'
98	BARGE DECK SPUDS	30'X90'X9'		30'X90'X9'
99	BARGE COVERED LIGHTER	90'X30'9.25' (DRAFT)		90'X30'X9.25'
100	BARGE DECK W/RAILS, 90'LT,	30'W, 9.25 H, (DRAFT)		90'X30'X9.25'
101	BARGE DECK W/RAILS, 90'LT,	30'W, 9.25 H, (DRAFT)		90'X30'X9.25'
102	BARGE DECK 92'X30'X9.25' DRAFT	EX-MERGENTINE 377		92'X30'X9.25'
103	BARGE TEST PONTOON 30X90 W/ST	& LIF, 30X90 DECK,	9.25'(DRAFT)	
104	BARGE DECK W/SPUDS	86'X30'X9.25' (DRAFT)		86'X30'X9.25'
105	BARGE DECK TEST PONTOON	90'X30'X9.25' (DRAFT)	W/LIFT PADS	90'X30'X9.25'
106	BARGE DECK	90'X30'X9.25' (DRAFT)		90'X30'X9.25'
107	BARGE DECK X-FUEL BARGE	98'X31'X9.5' (DRAFT)		98'X31'X9.5'
108	BARGE FUEL 70'X19.33'X8' DRAFT	EX ADCO 28		70'X19.33'X8'
109	BARGE DECK 78'X49'X7' FOR	CRAWLER CRANE BUILT UNDER COST	ACCOUNT #	78'X49'X7'
110	BARGE LOAD LINE DECK WITH	STANCHIONS 165'X42.5'X11.3'	(DRAFT)	165'X42.5'X11.3'
111	BARGE DECK W/ 2 EXTERNAL SPUDS			110' x 42' x 8'
112	BARGE DECK W/RAILS 125.1'LT	40.1'W, 10.33'HT		125.1' x 40.1' x 10.33'
113	BARGE DECK W/RAILS, 125.1'LT	40.1'W, 10.33'HT (DRAFT)		125.1' x 40.1' x 10.33'
114	BARGE DECK W/RAILS	125.1L, 40.1W, 10.33'HT(DRAFT)		125.1' x 40.1' x 10.33'
115	BARGE DECK W/RAILS	125.1L, 40.1W, 10.7'HT(DRAFT)		125.1'X40.1'X10.7'
116	BARGE DECK W/RAILS	133.3'L, 40.1'W, 10.7'(DRAFT)		133.3'X40.1'X10.7'
117	BARGE DECK W/RAILS	133.3'L, 40.1'W, 10.7'(DRAFT)		133.3'X40.1'X10.7'
118	BARGE DECK W/RAILS	125.1'L, 40.1'W, 10.4'(DRAFT)		125.1'X40.1'X10.4'
119	BARGE LOAD LINE DECK WITH	STANCHIONS 165'X42.5'X11.3'	(DRAFT)	165'X42.5'X11.3'
120	BARGE LOAD LINE DECK WITH	STANCHIONS 165'X42.5'X11.3'	(DRAFT)	165'X42.5'X11.3'
121	BARGE DECK W/ 4 FAIRLEADS	2-36" DIAM. INTERNAL SPUDS		175'x68'x11'
122	BARGE LOAD LINE DECK WITH 6	FAIR LEADS 150.3'X54.5'X13'	(DRAFT)	150.3'X54.5'X13'
123	BARGE LOAD LINE DECK AND	LAUNCH BARGE 250'X75'X16'	(DRAFT)	250'X75'X16'
124	BARGE DECK EX LOADLINE			220'x60'x13.75'
125	BARGE DECK EX LOADLINE	W/2 36" DIA INT SPUDS	EX MARMAC 2	230.4'X72'X16'
126	BARGE DUMP 171'X43'X16'	(DRAFT)		171'X43'X16'
127	BARGE DUMP 234'X53'X23'(DRAFT)			234'X53'X23'
128	BARGE DUMP 234'X53'X23'	(DRAFT)		234'X53'X23'
129	BARGE DUMP 266'X53'X23'	(DRAFT)		266'X53'X23'
130	BARGE DUMP 286'X62'X27.5'	(DRAFT)		286'X62'X27.5'
131	BARGE DUMP 240'X54'X22'	EX ADCO 440		240'X54'X22'
132	BARGE DUMP (X-ADCO 441)	LOADLINE, 4000 CY, 240'LT,	54'W, 22'H (DRAFT)	240'X54'X22'
133	BARGE DUMP SCOW 2000 YD SPLIT	HULL 197'X45'X16', BUILT 1990		197'X45'X16'
134	BARGE DUMP SCOW	2000 CY,197'X45'X16',FROM TL	JAMES 8/97, EX-BTS201, 1990	197'X45'X16'
135	BARGE DECK X-PIPELINER II	160'X50'X10.67' (DRAFT) 3 IN-	TERNAL SQUARE SPUDS, STEPPED	160'X50'X10.67'
136	BARGE DECK LOADLINE W/(2) INT.	24" DIA. SPUDS, 4 PT ANCHOR,	MATTED FORCRANE, EX MKU760	160'x54'x12'
137	BARGE DUMP SCOW	6600 CY, 286'X62'X27'.5"		286'X62'X27'.5"
138	BARGE DECK WITH WINCH X-ADCO	180X54X12 (DRAFT) WITH 2 INT-	ERNAL SQUARE SPUDS & HYDRAULIC	180'X54'X12'
139	BARGE DECK	160X54X12.5 (DRAFT)		160'X54'X12.5'
140	BARGE LOAD LINE DECK	160X54X12.5 (DRAFT)		160'X54'X12.5'
141	BARGE DECK IDLER B. X-ADCO 510			
142	BARGE DECK LOAD LINE	160X40X8.5 (DRAFT)		160'X40'X8.5'
143	BARGE CARFLOAT	250'L, 34'W, 10.5 H (DRAFT)	EX-268	250'X34'X10.5'
144	BARGE DECK CARFLOAT W/2 36" SP	362'L, 41.3'W, 11.6'H, (DRAFT)	EX-MKIW LAY BARGE	362'X41.3'X11.6'

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145	BARGE DECK CARFLOAT W/2 30" SP	330'L, 40'W, 11.5'H,(DRAFT)	W/CONCRETE RUNWAY	330'X40'X11.5'
146	BARGE DECK CARFLOAT W/2 36" SP	362'L, 41.3'W,11.6'H, (DRAFT)	EX-MKIW - LAY BARGE	362'X41.3'X11.6'
147	BARGE DECK CARFLOAT	290.1'L, 40.3'W, 11.5'W(DRAFT)	W/2-36" INTERNAL SPUDS	290.1'X40.3'X11.5'
148	BARGE DECK CARFLOAT	290.1'L, 40.3'W, 11.5'W(DRAFT)	W/2-36" INTERNAL SPUDS, MATS	290.1'X40.3'X11.5'
149	BARGE DECK CARFLOAT	290.1'L, 40.3'W, 11.5'W(DRAFT)	W/2-36"INTERNAL SPUDS, MATS	290.1'X40.3'X11.5'
150	BARGE DECK CARFLOAT WEAR DECK	342.3'L, 42.3'W, 11.5'W(DRAFT)	W/2-30" INT SPUDS EX GATES 345	342.3'X42.3'X11.5'
151	BARGE DECK CARFLOAT	260'X39'X9'	2 INT SPUDS EX GATES 259	260'X39'X9'
152	BARGE HOPPER	2000 TONS, 146'L, 30'W, 17.5 H	(DRAFT) EX-ADCO 207	146'L, 30'W, 17.5 H
153	BARGE HOPPER SINGLE SIDED	3000 TONS, 200'L, 40'W, 17.4'W	(DRAFT)	
154	BARGE HOPPER SINGLE SIDED	2000 TONS 146'L, 38'W, 17.5"H	(DRAFT)	
155	BARGE HOPPER 2000 TON,	146'X38'X17.5' (DRAFT)		
156	BARGE HOPPER	2000 TONS, 146'L, 38'W, 17.5'H	(DRAFT)	
157	BARGE HOPPER	3000 TONS 200'L, 40'W, 17.4'H	SINGLE SIDED	
158	BARGE HOPPER - EX-WATERSIDE	2000 TONS, 146L', 38'W, 17.5'H	(DRAFT)	
159	BARGE LOAD LINE DECK WITH	STANCHIONS 180X54X14 (DRAFT)		180'X54'X14'
160	BARGE LOAD LINE DECK WITH	STANCHIONS		180'X54'X14'
161	BARGE DECK LOADLINE W/	STANCHIONS	172'x84'x14'	172'x84'x14'
162	BARGE DECK LOADLINE W/	STANCHIONS		172.8'X54'X14'
163	BARGE DECK LOADLINE W/	STEEL RAILS		180'X54'X14'
164	BARGE DECK LOADLINE W/	STANCHIONS		180'X54'X14'
165	BARGE DECK LOADLINE	250'x75'x16'		250'x75'x16'
166	BARGE DECK LOADLINE W/	STANCHIONS		172.8'X54'X14'
167	DREDGE SUCTION 206' 4 3/4"	2246 GT E.W.ELLEFSEN	EX BEAN MERIDIAN	
168	DREDGE HYDRAULIC EX VENTURE	160X41X10 (DRAFT)		
169	DREDGE FORMER ADCO AMERICAN	196X60X14 (DRAFT)		
170	BOOSTER FORMER ADCO ARKANSAS	30" 126X34X9.5 (DRAFT)		
171	DREDGE RS WEEKS EX ADCO	280X65X17.5 (DRAFT)		
172	BARGE UNLOADER			
173	PONTOON 37X14X8 (DRAFT)			
174	PONTOON 30X40X8.67 (DRAFT)			
175	PONTOON 30X17X2.5 (DRAFT)			
176	PONTOON 40'X15'X6.7' EX CALTO	WORKBOAT USED FOR BREASTING	BARGE IN YARD	
177	BARGE OIL EX-PERINI OB-NO3	PURCHASED IN E. BOSTON 57X8		
178	BARGE SKIDDER 4 PONTOONS			
179	BARGE SURGE 2 PONTOONS CONN W/	BEAMS, SINGLE DRUM WINCH		
180	BARGE SURGE CONSISTING OF 2	PONTOONS BRIDGED TOGETHER 2	PADEYES PLUS 2 SHACKLES	
181	BARGE SURGE CONSISTING OF 4	PONTOONS BRIDGED TOGETHER	CONNECTORS AND SINGLE DRUM	
182	PONTOON 3 BRIDGED TOGETHER	EX CHESTER FROM CAMDEN NO	OFFICIAL NUMBER 30X27X7	
183	MONO BUOY SINGLE POINT MOORING	30" DIAMETER DISCHARGE		
184	BARGE ADCO EX HUDSON RIVER	126X40X8 (DRAFT) 3 TOWER DRILL	BARGE CATERPILLAR 3306 DIT	
185	BARGE WEEKS 391 SCREED	98'X15'X17.6' (DRAFT)		98'X165'X12'
186	TUG VIRGINIA	3412 CATERPILLAR MAIN ENGINES	4045 JOHN DEERE GENERATORS	
187	TUG CAROLYN - TWIN SCREW HP-2	GM 1271 (EX-CONNIE BELLANGER)	59.2'L, 22.1'W, 97.5'H (DRAFT)	Length 59', Breadth 22', Draft 8'6"
188	WORKBOAT CHRISTOPHER	TWIN SCREW 375 HP-2 GMC 6-71N	EX BONITA 37.3'X12.1X4.6'DRAFT	37.3'X12.1X4.6'
189	WORKBOAT DAVE V 54'X15.4'X7'	360 HP 2GM 6-71 ENGINES EX	RYAN M. ACQUIRED 5/30/97	54'X15.4'X7'
190	WORKBOAT JOSEPH P. 450 HP	50'X12.75' TUG TWIN SCREW EX	GOV'T PURCHASED 5/97	50'X12.75'
191	WORKBOAT KATIE 33.8X13.6X4.7	DRAFT TUG TWIN SCREW 375 HP	2 GM 6 7IN PURCHASED FROM	33.8'X13.6'X4.7'
192	TUG ELIZABETH TUG TWIN SCREW	1800 HP-2 GM, PURCHASED FROM	BAYOU LEBATRE, LA	
193	BOAT SURVEY BAYOU CHENE	PURCHASED FROM TL JAMES 5/98	42'X14.7'X6.2'	
194	TUG ALEXANDRA TWIN SCREW 4000	HP 2EMD 12-645-E2 PURCHASE IN	NEW IBERIA, LA EX-OCEAN STAR	
195	TUG THOMAS TWIN SCREW 4000 HP	2 EMD 16-645-E2 PURCHASED FROM	NEW IBERIA,LA EX OCEAN VOYAGER	
196	TUG KATHERINE, TWIN SCREW 3000	HP 2EMD 12-645-E2 PURCHASE IN	NEW IBERIA, LA EX-OCEAN CHIEF	
197	BOAT SURVEY EX BAYOU TECHE	PURCHASED TL JAMES 5/98	38.8'X14'X5.6'	
198	TUG GERARD TWIN SCREW	750 HP, GM1271 60.2'L,23'W,	8.9'H	
199	WORKBOAT KRISTY LAUNCH SINGLE	SCREW MONARK 2609J	LA3772FG	
200	TUG KATHLEEN MODEL BOW TWIN	SCREW 1000 HP 2 CUMMINS	KT-1150 EX MR. JAKE	
201	BOAT CREW FRANK J, SINGLE	SCREW 300 HP GM6V53 PURCH IN	FLORENCE, AL, EX-COMBER	
202	BOAT CREW OLIVIA 2 X CAT 3406	EX DANNY W GULF CRAFT		
203	TUG BURLINGTON SINGLE SCREW	180 HP 1 GM 6-71, 37.5"X12'X	4.5'(DRAFT)	
204	WORKBOAT MANELY BAY 500 HP	TUG TWIN SCREW 2 GM 8V 71 FROM	HAWWAIIAN TUG AND BARGE 1999	
205	WORKBOAT LANAI CITY 500 HP	TWIN SCREW 2 GM 8V71 47'X15'5'	FROM HAWAIIAN TUG AND BARGE 99	
206	BOAT CREW DAN G EX SEAVIEW	38'x14'x6' TWIN 8V-71'S T.D.	GEARS 300 GALLON FUEL TANK	
207	WORKBOAT MARTY C - 600 HP TWIN	SCREW, W/8V71 DETROIT DIESEL	MAIN ENGINES, ALLISON 4.5:1 MH	43.7'X16X7.6'
208	BOAT CREW CAPTAIN PETE	SURVEY BOAT 360 HP 2X GM G-71		
209	BOAT CREW CAPTAIN TOM	SURVEY BOAT 480 HP 2XGM 8V-71		
210	WORKBOAT BUDDY T 400HP	50'X14'9 5/8"X4'4" DRAFT	TWIN SCREW 2XGM671 EX GOV.	
211	TUG SHELBY TWIN SCREW	1800 HP-2XGM,16149 EX-HINTON	HOUMA BOATWORKS (FABRICATOR)	78' x 24'
212	BOAT CREW SURVEY 28.5X8.5	"SUSAN L."(EX-DANGEROUS),ALUM	HULL,CUMMINS ENG. NJ7093GC	
213	CREWBOAT MONARK WALTER W	SINGLE SCREW 75 HP GM453	EX-GIDGET, 24'8"X8'4"X4'4"	
214	BOAT SURVEY BAYOU BLUE	43.9X15.9X6		
215	BOAT CREW STEVE L 680HP	41'X14'X4' DRAFT		
216	TUG TREVOR	69'L, 26'W, 13.6'(DRAFT)		
217	DREDGE HOPPER RN WEEKS	194X54X22 DRAFT EX ATLANTIC	AMERICAN	

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218	WORKBOAT RICK H 250 HP 43.6X15	X4.6 EX JEAN G MODEL BOW TUG	SINGLE SCREW 250 HP BUILT 1977	
219	WORKBOAT ED H	TWIN SCREW, 500 HP, CAT 3306T	36'X15'X6, BUILT 1986,	36'X15'X6'
220	TENDER DON CARLOS 500 HP	(PUSH TENDER) 2 3208 CAT ENG.		
221	WORKBOAT DON DAVID 500 HP	40X14X4 EX MICHELLE G TENDER	2 GM8V71 ENGINE BUILT 1988	
222	DREDGE HOPPER B.E. LINDHOLM	(EX QUACHITA) EX TL JAMES	297'X55'X22.3'	
223	TUG CANDACE 1920 HP MODEL BOW	TWIN CATERPILLAR 3508B ENGINES	84'8"X29'8"X10'5" DAMEN SHOAL	
224	WORKBOAT 25'3"X14'X5' STEEL	TRUCKABLE 54" PUSH KNEES TWIN	JOHN DEERE 6081 330 HP ENGINES	
225	WORKBOAT 25'3"X14'X5' STEEL	TRUCKABLE 54" PUSH KNEES TWIN	JOHN DEERE 6081 330 HP ENGINES	
226	WORKBOAT 25'3"X14'X5' STEEL	TRUCKABLE 54" PUSH KNEES TWIN	JOHN DEERE 6081 330 HP ENGINES	
227	CRANE FLOATING WAGNER 28 HOIST	DIESEL W/6 DRUM HYDRAULIC	WINCH AND 6 FAIRLEADS, 15CY	120'x54'x10'
228	CRANE FLOATING CLYDE MODEL 24	2 36" SPUDS 2 TWO DRUM AIR	WINCHES 4 FAIRLEADS	100'x52'x8.7'
229	DREDGE BUCKET MARION 195	DRAGLINE 2 BUCKETS FROM POWDER	RIVER COAL COMPANY 1/28/99	
230	CRANE FLOATING DRAVO MODEL 28	W/2 36" INTERNAL SPUDS DIESEL	DRIVEN 4 DRUM WINCH 4 FAIRLEAD	120'x60'x10'
231	CRANE FLOATING DRAVO MODEL 37	EX YD113, 140X70X12.5,100T@80'		140'x70'x12'6"
232	CRANE FLOATING CLYDE MODEL 24	4 DRUM HYDRAULIC WINCH & 4	FAIRLEADS	100'x52.1'x8.8'
233	CRANE FLOATING CLYDE MODEL 24	2 36" INTERNAL SPUDS 4 DRUM	HYDRAULIC WINCH & FAIRLEADS	100'x52.1'x8.8'
234	CRANE FLOATING CLYDE MODEL 20	5 DRUM DIESEL WINCHES AND 4	FAIRLEADS	100'x40.1'x8.7'
235	CRANE CLYDE 24 WHIRLEY 140'	BOOM 80 TON @ 60' REMOVED FROM	BARGE 10/02, EX MPH #20 1953	
236	CRANE FLOATING AMERICAN R20	2 36" INTERNAL SPUDS	7'.5"(DRAFT) DIESEL	100'x50'x7.5'
237	CRANE BARGE 110X52X7 WITH 45T	STEAM CRANE BUILT BY NABRICO	FROM NYCDOT	
238	CRANE FLOATING CLYDE MODEL 28	GANTRY 2 42" INTERNAL SPUD	WELLS	250'x64'x12'
239	CRANE FLOATING 203 AMERICAN W/	2 INT. 42" SPUD WELLS, 110'	BOOM, 120'X43'X10' EX 560	
240	CRANE FLOATING LOADLINE	AMERICAN M40 4 TWO DRUM RB97	WINCHES AND FAIRLEADS, Spotter	292'6"x80'x19'6".
241	CRANE FLOATING HALTER 100 TON	EX YD252 HULL # 1190 CRANE S/N	BC002 MOD N100BC01 175X75X12.5	175X75X12.5
242	CRANE FLOATING CLYDE MODEL 28	GANTRY		250'x64'x12'
243	CRANE FLOATING LOADLINE	AMERICAN M40 3 RB90 DECK WINCH	DIESEL ELECTRIC WITH QUARTERS	300'x90'x19'
244	CRANE FLOATING CLYDE MODEL 52	8 POINT RB90 ANCHORSPREAD 3	36" SPUDS	300'x90'x22'
245	CRANE FLOATING CLYDE MODEL 24	WITH 2 TWO DRUM AIR WINCHES	AND 4 FAIRLEADS 2 SPUDS A/C	111'x45'x11';
246	CRANE FLOATING CLYDE MODEL 28	GANTRY		250'x64'x12'
247	CRANE FLOATING CLYDE MODEL 28	GANTRY 2 42" SPUD WELLS		250'x64'x12'
248	CRANE FLOATING WASHINGTON IRON	WORKS WHIRLEY 50 TON @ 40'	4 DRUM PACSHIPCO WINCH AND 4	160'x50.5'x12.4'
249	CRANE FLOATING LOADLINE CLYDE	MODEL 32, 2EA Φ36" INTERNAL SPUDS	4 POINT MOORING SYSTEM	200'x60'x13'
250	CRANE MANITOWOC 4600 SERIES I	WITH 3 SPUDS 1 TRAILING	QUARTERS 120' BOOM LOADLINE	
251	CRANE FLOATING LOADLINE CLYDE	MODEL 32 4 POINT ANCHORSPEAD	EX THELMA	
252	CRANE 75 TON 32-E-110+20 CLYDE 32	GANTRY ELECTRIC FROM ELECTRIC	BOAT COMPANY, 502,360 LBS	160'x52'x12'
253	CRANE FLOATING AMERICAN R30	WITH ANCHORSPREAD EX 248 EX	TIDELANDS 10	240'x72x16'5"
254	DREDGE BUCKET CLYDE MODEL 28	CRANE (EX-NEW YORK, 14CY,	130'L, 50'W,10'H, (DRAFT)	
255	DREDGE BUCKET PAGE 728D CRANE	WITH SPUDS AND 4 POINT MOORING	SYSTEM 155X60X11.8 (DRAFT)	
256	DREDGE BUCKET PAGE 728D CRANE	WITH SPUDS AND 4 POINT MOORING	SYSTEM LOAD LINE 155X60X11.5	
257	CRANE FLOATING DRAVO MODEL 28	2 36" INTERNAL SPUDS	EX YD169	120'x60'x10'
258	CRANE FLOATING DRAVO EX YD-188	120X60X6 DRAFT		120'x60'x10'
259	CRANE FLOATING LOADLINE DRAVO	MODEL 28 2 36" SPUDS ANCHORS	EX YD211	
260	CRANE DRAVO 28 GANTRY			
261	CRANE CLYDE MODEL 28	GANTRY ELECTRIC		
262	CRANE AMERICAN RH3520	REVOLVING GANTRY 85' BOOM 40	TON CAPACITY	
263	CRANE AMERICAN RH3520	REVOLVING GANTRY 85' BOOM 40T	CAPACITY DETROIT ENGINES 2	
264	CRANE 72 TON 203 AMERICAN	GANTRY FROM ELECTRIC BOAT	#20448	
265	CRANE 72 TON 203 AMERICAN	GANTRY FROM ELECTRIC BOAT	#23148	
266	CRANE CLYDE 14 25 TON GANTRY	CAPACITY AT 40' ELECTRIC	DRIVEN PURCHASED FROM GENERAL	
267	CRANE MARION 7500-USE 90060563	WHITE/BLUE	250X72 HULL	
268	CRANE 50 TON REVOLVER 203	AMERICAN PURCHASED FROM PORT	ROYAL S.C.	
269	CRANE CLYDE 24 ON BARGE 63	FROM PORT OF PONCE PUERTO RICO	BOOM 110'	
270	CRANE FLOATING DRAVO MODEL 37	2 36" SPUDS	EX YD193	140'x70'x12'6"
271	CRANE FLOATING DRAVO MODEL 28	2 36" SPUDS	EX YD242 ACQUIRED AT AUCTION	
272	CRANE FLOATING DRAVO MODEL 37	EX BD 6659 WILDERNESS	140'X70'X12.5', 2EA Spud Size @Φ3' x 7/8"wall x 79'6" long	140'x70'x12'6"
273	CRANE FLOATING DRAVO MODEL 37	EX BD 6700 BIG SWITCH	140'X70'X12.5',	140'x70'x12.5'
274	CRANE FLOATING DRAVO MODEL 37	EX YD115 ACQUIRED FROM THE	DRMS	140'x70'x12'6"
275	CRANE BARGE 110 TON 200X60X14	DRAVO MODEL 28 FROM 567 ON	EX S225 WITH 2EA Spud Size @Φ3' x 7/8"wall x 8'8 1/8" long	200'x60'x15'
276	CRANE FLOATING DRAVO MODEL 28	EX YD214 LONG JIB; 2EA Spuds Φ42"	142'X58'X12'	142'x58'x12'
277	CRANE FLOATING DRAVO MODEL 28	EX YD233	142'X58'X12'	142'x58'x12'
278	CRANE FLOATING DRAVO MODEL 28	EX YD234; 2EA Spuds Φ42",	142'X58'X12'	142'x58'x12'
279	CRANE FLOATING DRAVO MODEL 37	EX YD217	140'X70'X12.5'	140'x70'x12.5'
280	CRANE FLOATING DRAVO MODEL 28	EX YD237	NO HULL ON RECEIPT, ON LAND	
281	DERRICK EX ADCO HOISTER 1	66X32X5 (DRAFT)		
282	DERRICK EX-ADCO HOISTER 2	12 TON, 66'X32'X5' (DRAFT)		
283	BARGE ANCHOR DERRICK EX BEAN	70X34.1X6.4 DRAFT	AIR COOLED ENGINE ON HOIST	
284	DERRICK EX ADCO HOISTER 27	SEE 008 AS OF 2/1/07		
285	BARGE ANCHOR	60'X30'X6 WITH MACHINERY HOUSE	HOIST, A FRAME,	
286	BARGE ANCHOR	78'X40'X7'WITH A MACHINERY	HOUSE HOIST, A FRAME	

APPENDIX E - EQUIPMENT LIST

287	BARGE ANCHOR HANDLING	30'X60'X6' WITH SKAGIT HOIST		
288	BARGE ANCHOR HANDLING	30'X60'X6' W/HOUSE AND A-FRAME	262,963 LBS.	
289	BARGE ANCHOR	78'X40'X7'		
290	BARGE ANCHOR	78'X40'X7'		
291	CRANE 75 TON BUCYRUS ERIE 88B	CRAWLER 70' BOOM	EX ADCO CONVOY #757 UNIT	
292	CRANE 42 TON BUCYRUS ERIE 38BM	CRAWLER		
293	CRANE 90 TON BUCYRUS ERIE 65D	CRAWLER 152,000 LBS,	80'L	
294	CRANE BUCYRUS ERIE 54B CRAWLER			
295	CRANE 150 TON LINKBELT LS518	CRAWLER 97' RAYMOND BOOM	FROM HT/HAWAII, RED/WHITE	
296	CRANE 100 TON MANITOWOC 3900V	CRAWLER #8 BOOM LIFTCRANE	CUMMINS NHRS6I, 48" PADS,	
297	CRANE 300 TON MANITOWOC 4100W	RINGER 22A MAIN BOOM 200'	CUMMINS NTA855C380, ON THE	
298	CRANE 230 TON MANITOWOC 888	CRAWLER 160'/22E BOOM,	CUMMINS M11, CLAMSHELL, SER.II	
299	CRANE 60 TON AMERICAN CRAWLER	1972 CUMMINS N743P220	TWIN DISC F STA CONN 80'BOOM	
300	CRANE 60 TON AMERICAN 7250C	CRAWLER 1696 CUMMINS IND250	NFFC, TWIN DISC 3 STA CONN	
301	CRANE 150 TON LIMA 1850SC	CRAWLER 1968 CAT D353D TWIN	DISC CONN, 140' TUBULAR BOOM	
302	CRANE 200 TON LIMA 2000SC	CRAWLER 1968 CAT D353D TWIN	DISC CONN, 170' TUBULAR BOOM	
303	CRANE 35 TON BUCYRUS ERIE 30B	HD CRAWLER D333 CATERPILLAR	60' BOOM FAIRLEAD BLOCK	
304	CRANE 30 TON BUCYRUS ERIE 30B	CRAWLER 15'13"X11'8"X11'2"		
305	CRANE 70 TON P&H 670W3C	CRAWLER FROM LAHAINA PIER		
306	CRANE 70 TON P&H 670W3C	CRAWLER FROM LAHAINA PIER		
307	CRANE 70 TON P&H 670W3C	CRAWLER FROM LAHAINA PIER		
308	CRANE 70 TON P&H 670W3C	CRAWLER FROM LAHAINA PIER		
309	CRANE 100 TON MANITOWOC 3900	CRAWLER,(EX STEERS UNIT),	140' BOOM, 140'X16'8"X 14'11"	
310	CRANE MANITOWOC 4500 CRAWLER	MFG 3/60, CUMMINS VT-12,	W/TORCON, #33 BOOM 120',	
311	CRANE 88 TON MANITOWOC M80W	CRAWLER FROM LAHAINA PIER		
312	CRANE AMERICAN 799C FROM	LAHAINA PIER 10/99		
313	CRANE 40 TON BUCYRUS 38B	CRAWLER FROM LAHAINA PIER		
314	CRANE 60 TON P&H HYDRAULIC	650ATC TRUCK MOUNTED	FROM LAHAINA PIER & PILE	
315	CRANE 117 TON LINKBELT LS418A	W/100 BOOM, WHITE & RED CAB		
316	CRANE CRAWLER MANITOWOC 4600	SERIES III		
317	CRANE DRAGLINE W700 RAPIER			
318	CRANE CRAWLER MANITOWOC 4600	SERIES 2, 120' # 27 BOOM	AND JIB W/SPARE HEEL	
319	CRANE PAGE 728D DRAGLINE EX	DELAWARE VALLEY WALKING TYPE	REPLACED BOOM 3/97	
320	CRANE 200 T MANITOWOC 4600 II	CRAWLER DETROIT ENGINE	140'-#7 BOOM, MFG 1/5/65	
321	CRANE MANITOWOC 4600 III	CRAWLER 140' BOOM EX NYCDOS	MACHINE CUMMINS POWERED NEW	
322	CRANE 65 TON MANITOWOC 3900	CRAWLER VICON 130' #8 BOOM	PURCHASED FROM DUTRA	
323	CRANE 100 TON MANITOWOC 3900B	CRAWLER LOC. IN HAWAII ORIG	W #6 BOOM 90', LIFT/CLAM	
324	CRANE 200 TON MANITOWOC 4100W	CRAWLER SERIES II, 260'L	RED EX HT651	
325	CRANE 12.5 TON KOEHRING 205 2N	CRAWLER		
326	CRANE 12.5 TON KOEHRING 205 2N	CRAWLER		
327	CRANE 150 TON LIMA 1850	CRAWLER EX MCDERMOTT CC3227	ANGLE BOOM, 100'W/20' JIB	
328	CRANE 150 TON MANITOWOC 4000WV	3406 PCTA 180'BOOM ACQUIRED		
329	CRANE 150 TON MANITOWOC 4000WV	CRAWLER, CUMMINS NTA855C,	220' BOOM, #17 BOOM, ACQUIRED	
330	CRANE 200 TON MANITOWOC 4100WV	CRAWLER, #22A BOOM, CAT DT	43TA, LIFT/CLAM/DRAG, ACQUIRED	
331	CRANE 230 TON MANITOWOC 4100WV	CRAWLER LIFTCRANE, #22C	BOOM, #27 RINGER ATTACHMENT	
332	CRANE 30 TON GROVE RT65S	ROUGH TERRAIN DDA 6V53 ENG.,	LOAD SAFE CAB HEAT, 33'TO 80'	
333	CRANE 35 TON GROVE RT65S	ROUGH TERRAIN CUMMINS 555 ENG		
334	CRANE 35 TON GROVE RT65S	ROUGH TERRAIN 104' BOOM NY		
335	CRANE 50 TON GROVE RT755/RT750	ROUGH TERRAIN CAT 3116TA 110'	MAIN BOOM W/ KRUEGER MARK II	
336	CRANE 15 TON GALION 150A	ROUGH TERRAIN DETROIT ENGINE	37,300 LBS, 27'2"X8'X11'2"	
337	CRANE 15 TON PETTIBONE MK30	ROUGH TERRAIN, 48,000 LBS		
338	CRANE 14 TON GROVE RT58A	ROUGH TERRAIN 60' BOOM		
339	CRANE 14 TON GROVE RT58-7	ROUGH TERRAIN		
340	CRANE 15 TON PETTIBONE MK30	ROUGH TERRAIN W/JIB SECTION	50,000 LBS, 35'10"X8'6"X11'3"	
341	CRANE 35 TON GROVE RT65S	ROUGH TERRAIN W/JIB CAT 3208	ENG, KRUEGER LOAD SYSTEM	
342	CRANE 35 TON GROVE RT65S	ROUGH TERRAIN		
343	CRANE 70 TON P&H 670TC TRUCK	WHITE/RED		
344	CRANE 50 TON AMERICAN 599	TRUCK CUMMINS ENGINES	UP & DOWN, IN BOURG, LA	
345	CRANE 28 TON GROVE RT528CN	ROUGH TERRAIN 1473 HRS AT PURC	FROM PLANT & MACHINERY AUCTION	
346	CRANE 50 TON GROVE RT750 110	FOOT 4 PIECE POWER BOOM WITH	32'-56' EXTENDABLE SWING JIB	
347	CRANE 35 TON TEREX RT335	ROUGH TERRAIN CUMMINGS 6BT5 9L	ENG AUX WINCH NYCD 30'-94'	
348	BARGE JACK UP LOADLINE VARCO	HYDRAULIC JACKING SYSTEM	4 DRUM WILEY	139'6"X80'X10'
349	BARGE JACK UP DELONG 500 TON	JACKS DRAVO MODEL 28 CRANE EX	555 4 POINT ANCHOR SYSTEM HULL	130'X58'X10'
350	LOADER TRACK 973 CAT	GP BUCKET 2.75 CY, 51,500 LBS	22'9"X8'7"X11'3", YELLOW	
351	LOADER TRACK 955L CAT	2CY, GP BUCKET, 32,000 LBS,	17'3"X7'6"X10'9", YELLOW	
352	LOADER TRACK 955L CAT 2 CY	BUCKET IN STEVEDORING		
353	LOADER TRACK 955L CAT	2CY, GP BUCKET, 32,000 LBS,	17'3"X7'6"X10'9", YELLOW	
354	LOADER TRACK 953 CAT	GP BUCKET, ROPS, 30,681 LBS	18'X7"X7'10"X10'1",YELLOW,2 CY	
355	LOADER TRACK 977K CAT	2.75 CY, GP BUCKET, 32,000 LBS		
356	LOADER TRACK 977L CAT	GP BUCKET, 48,000 LBS,2.75 CY	18'X4"X8'2"X11'1",YELLOW	
357	LOADER TRACK 977L CAT	GP BUCKET,C/W, FULL CAB,2.75CY	18'4"X8'2"X11"1'48,000 LBS	
358	LOADER TRACK 977L CAT	ROPS, 4 IN 1 BUCKET, 3306 ENG	18'4"X8'2"X11"2'48,000 LBS	
359	LOADER TRACK 955L CAT	ROPS, 2CY, GP BUCKET, 3304 ENG	17" GROUSERS, 32,000 LBS,	

APPENDIX E - EQUIPMENT LIST

360	LOADER TRACK 977L CAT	GP BKT, ROPS, 2.75 CY, YELLOW	BOUGHT FROM DURABLE 11/96	
361	LOADER TRACK 973LGP CAT	ROPS 3.5 CY GP BKT	PURCHASED FROM FORKE	
362	LOADER TRACK 977K CATERPILLAR			
363	BACKHOE 200-4 TLB DYNAHOE	FULL CAB, 4WD		
364	BACKHOE 190D DYNAHOE TRACTOR	LOADER 1 CY BUCKET 24" DDA	4-53 ENGINE FROM GATES	
365	BACKHOE 438C 4X4 CAT	EXTEND A HOE W/4&1 BUCKET	PLUMED FOR HAMMER, EROPS	
366	BACKHOE 410G JOHN DEERE	TRACTOR LOADER LOT# 2203		
367	BACKHOE 420D CATERPILLAR	24" BUCKET, 1.25 CY LOADER	4WD 3054C ENGINE S/N CRS07775	
368	BACKHOE 310SG JOHN DEERE	24" BUCKET, 1.25 CY LOADER	MULTIPURPOSE BUCKET EROPS	
369	LOADER SKID STEER 743B BOBCAT	54" BUCKET KUBOTA V1702-B ENG	BOUGHT FROM ALEX LYON & SON	
370	LOADER SKID STEER 743 BOBCAT	PNEUMATIC TIRES FORKS 909	BACKHOE ACQUIRED FROM GATES CO	
371	LOADER SKID STEER 843 BOBCAT	ISUZU (54) HP, 66" BKT, ROPS,	6500 LBS, B.H. MOUNTS, ACQ	
372	LOADER WHEEL WA 600 KOMATSU	7 CY BKT, EROPS, SD170 ENGINE	65/35 X 33 TIRES, YELLOW	
373	LOADER WHEEL 962G CATERPILLAR	YELLOW, 27'LX9'6"WX11'1"H	4.5 CY, 41,000 LBS, YELLOW	
374	LOADER WHEEL WA450 KOMATSU	5 CY BKT, 26.5X25 TIRES,	EROPS, 47,000 LBS, YELLOW	
375	EXCAVATOR 1266D KOEHRING	7 CY BKY, 4 CY CLAMSHELL,	260,000 LBS, COLOR: ORANGE	
376	EXCAVATOR PF55L1 KOMATSU	WITH LA BOUNTY HD 110 ROTATING	GRAPPLE PURCHASED IN 92 NEW	
377	EXCAVATOR WMB50503018CR WILCO	MARSH BUGGY W/2002 CAT 325C	UPPER HYD. CARRIAGE REQ#383952	
378	EXCAVATOR 215 CAT	3204 ENG., 5'11" STICK,	8'6" WIDE, ACQ FROM GATES 3/97	
379	EXCAVATOR EX750 LC5 HITACHI	W/FIXED MECHANICAL THUMB,	PURCHASED OFF RENTAL, W/23'4"	
380	EXCAVATOR 322BL CAT W/CAB	W/AIR 28" PADS, 9'8" STICK	9'9"X32'8"X11'1", 53,000 LBS	
381	EXCAVATOR 330BL CATERPILLAR	32" PADS, MEDIUM STICK, LONG	UNDERCARRIAGE	
382	EXCAVATOR 325C CATERPILLAR	LONG REACH MOUNTED ON SUNLAND	KORI AMPHIBIOUS MARSH BUGGY	
383	EXCAVATOR 235C CAT EQUIPPED W/	HAMMER CIRCUIT, 12' STICK 36"	PADS BOUGHT FROM FORKE/WILM	
384	EXCAVATOR 345B L CAT FIXED	GAUGE U/C 97,000 LBS, YELLOW	MAX/REACH 42'8"/30'5" 12'10"	
385	EXCAVATOR MINI X320 BOBCAT	PURCHASED AT YODER AND FREY		
386	EXCAVATOR 325BL CATERPILLAR			
387	DOZER D8L CAT	STRAIGHT BLADE, EROPS, W/TILT	DRAWBAR, 91,000 LBS, YELLOW	
388	HOPPER BULKLOADING STEEL 30CY	SINGLE BUOY 12" GATE	20'10"LX 18'10"WX27'2"H	
389	HOPPER BULKLOADING STEEL 30CY	SINGLE BUOY 12" GATE	20'10"LX 18'10"WX27'2"H	
390	HOPPER BULKLOADING STEEL 80CY	DOUBLE BUOY 12" GATE	19'2"LX39'WX27'10"H	
391	HOPPER BULKLOADING STEEL	132 CY, 25'X25'X35', WHITE		
392	HOPPER BULKLOADING STEEL	132 CY, 25'X25'X35', WHITE		
393	HOPPER BULKLOADING STEEL	132 CY, 25'X25'X35', WHITE	(PORTABLE)	
394	EXCAVATOR 320CL CATERPILLAR		46,300 POUNDS WITH THUMB	
395	EXCAVATOR 320CL CATERPILLAR	PLUMBED FOR HAMMER	46,300 POUNDS	
396	EXCAVATOR 5110B L CATERPILLAR	280000 LB		
397	EXCAVATOR 325D CATERPILLAR	20'2" BOOM, 12'4" STICK EMPTY	COUNTERWEIGHT CB2 FAMILY	
398	EXCAVATOR 330CL CATERPILLAR	33.5" PADS, LONG UNDERCARRIAGE	QUICK RELEASE STICK VANDALISM	
399	EXCAVATOR WMB50502818 WILCO	MARSH BUGGY W/2005 CAT 325C	UPPER HYD. CARRIAGE	
400	EXCAVATOR 325C CATERPILLAR	LONG REACH ARRANGEMENT ABD 60"		
401	EXCAVATOR 325C CATERPILLAR	W/STANDARD REACH BOOM 180-7815	& 10'8" STICK	
402	EXCAVATOR 325C CATERPILLAR	3126 ENGINE S/N 5GG01739	ARRANGEMENT # 201-4205	
403	EXCAVATOR 325D CATERPILLAR	WITH 20'-2" BOOM AND 12'-4"	STICK,CB-2 LINKAGE,HIGH	