ATTACHMENT A
CROW LANE LANDFILL PROFORMA

NEW VENTURES ASSOCIATES, LLC

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February 8, 2006

Steven Babcock
Earth Tech
196 Baker Ave.
Concord, Ma 01742

RE: Crow Land Landfill

Dear Steve,

To follow please find the updated Performa that you requested for the Crow Lane Landfill Project.

If you have any questions, please feel free to give me a call.

Regards

Steven Trettel

CROW LANE LANDFILL
NEWBURYPORT, MASSACHUSETTS
PROFORMA FOR CLOSURE PROJECT
Updated 01-16-06

PART 1 - PARAMETERS AND UNIT COSTS USED IN THE ANALYSIS

A. Volumes and Areas

• Surface Area of Landfill	14.2 acres
• Total Airspace Available (existing grades to finish grades)	606,000 cy
• Volume of Excavation to Construct Berm Base	(- 42,610 cy)
• Final Cap Volume (24-inch thick, 14.2 acres)	(- 46,000 cy)
• Net Airspace Available for Grading & Shaping Material	517,300 cy
• Volume of Clean Fill Material in Berm	60,960 cy
• Detention Pond Excavations (rock)	(-13,000 cy)
• Net Clean Fill Required for Berm	47,960 cy

B. Compaction Factors

• BUD Fill Material Loose Truck Measure (1.80 cy Truck space/ton hauled)	1.80 cy/ton
• BUD Fill Material Compacted in place (1.35 cy airspace used/ton placed & compacted)	1.35 cy/ton
• Soil Fill Materials Compacted in Place (0.65cy air space placed and compacted)	0.65 cy/ton

C. Earthwork Materials Costs

• Crushed Ordinary Fill (Berm)	$10/cy
• Crushed Concrete (Berm)	$10/cy
• Processed Stone	$20/cy
• Sand/Gravel	$15/cy

D. Labor and Equipment Costs

• Dozer	$10,000/Month
• Excavator	$10,000/Month
• Off Road Rock Trucks	$ 8,000/Month
• Compactor	$ 8,000/Month
• Front End Loader	$ 8,000/Month
• Street Sweeper	$ 6,000/Month
• Water Truck	$ 6,000/Month
• Fuel & Maintenance	$200/day/machine

• Labor: Foreman, Equipment Operations, Scale Operator, Laborers – average (hourly rate)	$20/hour direct salary $25.59/hr(w/benefits) $38.95/overtime rate
• Scale/Scale House/Office set-up	$ 100,000 L.S.
• Maintain Office/Utilities/Maintenance Operation and other Infrastructure including Misc.Supplies/Equipment	$25,000/year

E. Estimate Equipment and Staffing Required

• Site Preparation Stage – (3 Months)	2 Dozers 2 Excavators 1 Front Loader 1 Compactor 2 Off-Road Trucks 7 Operators/Foreman
• Grading/Shaping Stage – (28 Months)	2 Dozer 1 Compactor 1 Off-Road Truck 1 Excavator 1 Street Sweeper 1 Water Truck 1 Scale 3 Operators/Foreman 1 Scale Operator
• Capping/Final Closure Stage – (5 Months)	1 LGP Dozer 1 Excavator 1 Compactor 2 Off-Road Trucks 1 Street Sweeper 1 Water Truck 1 Scale 4 Operators 1 Foreman 1 Scale Operator

PART 2 - SCOPE OF WORK/COST ESTIMATE

A. Environmental Site Assessment

ISA

Background/File Research	$2,800
Data Search	$3,500
Prelim. Hydro Assessment	$2,100
Site Recon./Mapping	$3,000
Preliminary Chemical Screening	$8,000
CSA/Sow Development	$2,000
	$21,400

CSA

Engineering & Env. Specialist		$ 42,000
Drilling		$12,000
Laboratory		$28,000
		$82,000
Baseline Risk Assessment		$21,000
	Subtotal A	**$124,400**

B. Engineering Design and Quality Control (Remaining to Final Closure)

Air Permitting		$18,000
Corrective Action Alternative Analysis		$12,000
CAD Revision and Update		$17,000
Permitting and Appeals Process		$55,000
Stage 2 Gas Extract System		$8,000
	Subtotal B	**$110,000**

C. Site Preparation Construction
Inception (12/02) to 12/31/05)

D. 1. Operation (Grading/Shaping Stage) and (Site Prep)
Inception (11/03) to 12/31/05

Subtotal c & D.1	***$6,384,689***

For Items C and D.1 Actual Costs Detail	

SEE ATTACHED TABLE – "Summary of Expenses"
(Inception of Project thru 12/31/05)

D. 2. Operation (Grading/Shaping Stage) (01/01/06 to end of project)
(Estimate 10 Months)

- Equipment

Dozer (10 mo x $10,000/mo. x 2)	$200,000
Excavator (10 x $10,000 x 2)	$200,000
Rock Truck (10 x $8,000 x 1)	$80,000
Compactor (5 x $8,000 x 1)	$40,000

Street Sweeper (10 x $6,000 x 1)	$ 60,000
Water Truck (10 x $6000x 1)	$105,000
Tanker Truck	$80,000
Pickup and Utility Trucks	$30,000
Fuel and Maintenance	$200,000
(Equivalent 9 pieces x 20 days/mo. x 10 mths. @ $200/day	$360,000
Maintain Office, Scale, Infrastructure ($25,000/Yr)	$25,000

- Interim Cover

Posi-Shell equip./supplies (12,100/mo x10 mo.)	$121,000
Propane for Flare (24,000/m0 x 10 mo.)	$240,000

- Labor

6 Personnel x $25.59/hr. x 40 hr x 4.3 wks/mo x 10 month	$264,076
6 Personnel x $38.39/hr x 10 hr x 4.3 wks/mo x 10 months	$99,046

- Gas Management

• Phase II active landfill gas extraction system installed	$170,000
• Enclosed Flare Installed	$220,000
• Sulfa Treat Pre-Filter System Installed	$399,000
• Operation and Maintenance of active gas extraction system with enclosed flare and supplementary sulfa treat pre-filter @ 586,000/yr for 10 months	$489,000

• Operational Engineering and Regulatory Compliance $14,000/mo.x 10 months.	$140,000
• Operational Quality Assurance Monitoring/Random Testing $7,500/mo x 10 months.	$ 75,000

- Materials

Miscellaneous Operations Supplies, e.g. Gravel, Crushed Stone, Pipe, Filter Fabric and E& S Materials	$94,000
Subtotal D.2	**$3,491,100**

E. Capping and Closure

Operate Pre-Treat and Flare System 3 mo. X $48,800/mo.	$146,500
Furnish/Install Capping System ($130,000/Acre x 14.2 Acres)	$1,846,000
Engineering/Quality Assurance, Construction Management, Monitoring/Regulatory Compliance (During Construction)	$120,000
Regulatory Closure, Legal Fees, Bond and Insurance	$140,000
Environmental Monitoring during operation & closure $11,000/quarter x 4 qtrs	$44,000
Subtotal E	**$2,296,500**

F. Post Closure Costs

- Maintain/Repair for 1st year or until vegetative growth is established 150,000/30 — $5,000/year
  Quarterly Inspections @ 2,500/Quarter — $10,500/year
  General Maintenance — $5,000/year
  Environmental Monitoring — $21,000/year

  Landfill gas system operation/maintenance
  For 5yrs. @ $586,000/yr. = $2,930,000/30yrs
  Subtotal — $97,700/year

Annual Average Post Closure Cost $138,700/year

	$138,700/year x 30 yrs	$4,161,000
FAM. 10% x $3,174,000		$317,400
	Subtotal F	**$4,478,400**

G. Host Community Agreement Contributions

• Mitigation Fund (LSP, Testing, Traffic Controls, Police Details, etc.	$ 75,000
• Legal Fund	$50,000
• Site Preparation for Ballfield or Cash Equivalent	$130,000
• Board of Health Resident Inspector	$60,000
• Board of Health Mitigation Fund	$10,000
Subtotal G	**$325,000**

Total Cost: Site Prep, Operation, Capping & Post Closure **$17,210,089**
(Part 2 Items A through G)

PART 3 – REVENUE ESTIMATE

A. **Total Revenue to 12/31/05** **$6,779.315**

B. Airspace Estimate

Total Airspace remaining based on Hancock Engineering topographical survey Jan. 2006 and CAD final grading plan 143,000 c.y.

C. Estimated Revenue Jan 2006 to Closure
Assuming Equal Volumes Soil/C&D Fines

143,000 c.y./2 = 71,550 c.y. Each

Soil 71,550 c.y. / 0.65 c.y/ton = 110,077 Ton @ $12/ton = $1,321,000

C&D Fines 71,550 c.y. / 1.35 c.y./ton = 53,000 Ton @ $25/ton = $1,325,000

Remaining Estimated Revenue **$2,646,000**

Revenue Inception to 12/31/05	**$6,779,315**
Estimated Revenue Jan 2006 to Closure	**$2,646,000**
Total Revenue to Closure	**$9,425,315**
Total Expenses to Closure	**$17,210,089**
Net Closure Cost	**-$7,784,774**