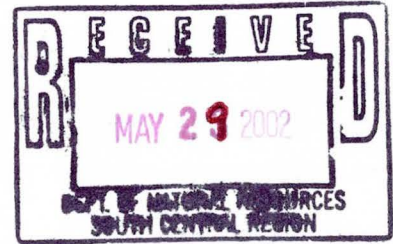


03-57-002801
02-57-001682
Reedsburg Cleaners
VIERBICHER ASSOCIATES, INC.

May 28, 2002

Mr. Randy Maass
Remediation and Redevelopment Program
Wisconsin Department of Natural Resources
3911 Fish Hatchery Road
Fitchburg, WI 53711



Re: Update to Remedial Action Options Report
Reedsburg Cleaners
349 E. Main Street, Reedsburg
BRRTS # 03-57-002801
02-57-001682

Dear Mr. Maass:

This letter is in response to our phone conversations on May 24, 2002 regarding the excavation of PCE contaminated soil and the Remedial Action Options Report, submitted in March 2002.

You noted that the volume of excavated soil appeared to be different than the excavation dimensions provided in the text of the report. I have reviewed the proposed excavation dimensions and soil volume estimates and made some changes to the soil volume calculations. I have attached a copy of my notes used to recalculate the proposed excavated soil volumes.

The revised calculations resulted in the addition of 16 cubic yards (21.6 tons) of PCE contaminated soil. This brings the estimated total of excavated soil to be 71 cubic yards. I did reduce the size of the southern excavation, assuming that the USTs can be removed without digging around each one. This addition of 16 cubic yards of soil shall increase the construction cost estimate by \$7,000. I have enclosed a revised remediation cost summary table.

If you have any additional questions, feel free to contact me at (608) 233-5800.

Sincerely,
VIERBICHER ASSOCIATES, INC.

A handwritten signature in black ink that reads "Joel L. Janssen". The signature is fluid and cursive, with a long horizontal line extending to the right.

Joel L. Janssen
Hydrogeologist

Enclosure

cc: Wayne Butz, Reedsburg Cleaners

▼ 400 VIKING DRIVE
P.O. BOX 379
REEDSBURG, WI 53959
(608) 524-6468
Fax (608) 524-8218

▼ 6200 MINERAL POINT RD.
MADISON, WI 53705-4504
(608) 233-5800
Fax (608) 233-4131

▼ 1521 METRO DRIVE, SUITE 205
P.O. BOX 650
SCHOFIELD, WI 54476-0650
(715) 359-2003
Fax (715) 359-4753

▼ P.O. BOX 542
PRAIRIE DU CHIEN, WI 53821
(608) 326-1051
Fax (608) 326-1052

▼ www.vierbicher.com

**TABLE 1
REMEDIATION COST SUMMARY
REEDBURG CLEANERS**

REMEDIATION ACTIVITY	CONSTRUCTION ⁽¹⁾	CONSULTING ⁽²⁾	TOTAL
Install New Monitoring Well	\$2,000	\$800	\$2,800
Baseline Groundwater Sampling	\$2,200	\$2,300	\$4,500
Injection of HRC® Solution	\$52,000	\$15,500	\$67,500
Post-HRC® Application Monitoring (7 events)	\$17,000	\$8,800	\$25,800
Limited Soil Excavation ⁽³⁾	\$31,800	\$2,800	\$34,600
Installation of SVE System	\$21,000	\$6,100	\$27,100
Operation & Maintenance of SVE System (2 years of operation)	\$4,400	\$9,200	\$13,600
Long Term Groundwater Monitoring (8 events)	\$12,200	\$10,500	\$22,700
Totals	\$142,600	\$56,000	\$198,600

Notes: (1) Construction costs include: drilling, lab, excavation, & remedial equipment, etc.

(2) Consulting costs include: oversight, reporting, & field equipment, etc.

(3) Excavation costs do not include removing, cleaning & disposing of the USTs, because these costs are not reimbursable.

Revised on May 10, 2002 to reflect a change in drilling procedures

Revised on May 24, 2002 to reflect addition of 16 yards of soil to be landfilled

VIERBICHER ASSOCIATES, INC.

6200 Mineral Point Road
 Madison, WI 53705
 (608) 233-5800

JOB Reedstburg Cleaners
 SHEET NO. _____ OF _____
 CALCULATED BY JJ DATE 5/24/02
 CHECKED BY _____ DATE _____
 SCALE _____

Soil Excavation revision - EstimatesNorth Excavation

14' x 9' x 10' deep * Excavate down to top of weathered sandstone
 (subtract 6" for concrete)

$$14' \times 9' \times 9.5' = 1197 \text{ ft}^3 / 27 = \underline{\underline{44 \text{ yds} \checkmark}}$$

South Excavation

19' x 8' x 8' deep * Only excavate soil above + along side the USTs
 (subtract 6" for concrete) * Soil located beneath the USTs will be left in place

$$19' \times 8' \times 7.5' = 1140 \text{ ft}^3 / 27 = \underline{\underline{42 \text{ yds}}}$$

(subtract 5 yds per UST)

$$42 - 15 = \underline{\underline{27 \text{ yds} \checkmark}}$$

$$44 + 27 = \underline{\underline{71 \text{ total yds}}}$$

Original estimate was 55 yds

$$71 - 55 = \underline{\underline{16 \text{ yds}}} \text{ (in addition to RAOR total)}$$

$$16 \text{ yds} \times \frac{1.35 \text{ tons}}{\text{yds}} = 21.6 \text{ tons} \times \$300 = \underline{\underline{\$6,480}}$$

* Estimate \$7,000 additional budget needed