

July 24, 2013

Mr. Robert Ballou, Chairman
Watershed Improvement Review Board
IDALS – Division of Soil Conservation
502 E 9th St,
Des Moines, IA 50319

Re: Indian Creek Watershed, 1015-009, Final narrative report

Dear Mr Ballou,

The initial concept for this project was that stored rainwater from Creative Edge's two-acre roof could be used to cool the company's hydraulic pumps, thereby reducing the load on the City's storm and sanitary sewer systems.

Creative Edge was using approximately 40,000 gallons of city water per month to cool their equipment and that water was, in turn, put directly into the city's sanitary sewer system.

The engineer who helped configure the rainwater storage concept soon came to realize that this scenario was too expensive and not cost-efficient. The next concept was to use water for cooling purposes from a nearby pond that serves as a storm water filtration showcase for this community. Algae, spores and general filtration concerns coupled with possible equipment contamination doomed this second concept.

The final concept that proved to be the most cost-effective, within the parameters of the original projected budget, was two-fold: (1) almost one million gallons of annual roof rainwater has all been re-directed to the above-mentioned storm water pond located to the south of the Creative Edge building rather than going into the city's storm water sewer system, and (2) three commercial-grade chillers were purchased to cool the multiple cutting machine's water thereby saving roughly one-half million gallons of water from being (a) used and (b) disposed of via the city's sanitary sewer system.

Indian Creek Watershed Project No: 1015-009 February 1, 2012-June 30, 2013

Financial Accountability

Watershed Improvement Funds

Grant Agreement Budget Line Item	Total Funds Approved	Total Funds Approved – Amended	Total Funds Expended	Available Funds
Engineering	\$3,800	\$1,200	\$1,072	+\$128
Interior Equipment and Construction	\$24,100	\$29,400	\$27,907	+ \$1,493
Exterior Equipment and Construction	\$5,100	\$2,400	\$4,021	-\$1,621
Totals	\$33,000	\$33,000	\$33,000	\$0
Difference				\$0

Total Project Funding

Funding Source	Cash	Cash	In-Kind Contributions	In-Kind Contributions	Total	Total
	Approved Application Budget	Actual	Approved Application Budget	Actual	Approved Application Budget	Actual
WIRB	\$33,000	\$33,000	\$0	\$0	\$33,000	\$33,000
Creative Edge Mastershop	\$22,000	\$42,456		\$7,500	\$22,000	\$49,956
Totals	\$55,000	\$75,456	\$0	\$7,500	\$55,000	\$82,956

Watershed Improvement Fund contribution: Approved application budget: 60 %
 Actual: 40 %

