



Via Email

December 10, 2014

Ms. Karie Friling
Village of Orland Park
14700 Ravinia Avenue
Orland Park, IL 60462

Re: Environmental Engineering – Norman's Cleaners SRP Site

Dear Karie:

I would like to thank you for requesting a proposal from E. Cooney Associates, Inc. (ECA) to assist the Village with the ongoing investigation and remediation work at the Norman's Cleaners Site Remediation Program (SRP) Site. The Remediation Site (the Site) is located at 9628 W. 143rd Street Orland Park, Illinois. The proposed scope of work to manage the planned environmental cleanup of the Site is summarized in Attachment A, General Scope of Work. Representative ECA qualifications are presented in Attachment B.

The project estimate was previously approved by the Illinois Dry Cleaner Fund was \$251,408.94. As we have discussed in the past, there is a certain amount of uncertainty with this project and thus the scope of work and costs were estimated based on current data. Changes to the scope or budget may be warranted during the work depending on actual site conditions, the effectiveness of the selected remedy, and/or other unknown issues that arise. All reasonable efforts will be made to maintain the current budget. The Village and Norman's Cleaners representatives, and the Dry Cleaner Fund (if applicable), will be notified should the scope or budget require a change.

Please let me know if you have any comments or questions.

Very truly yours,

Edward J. Cooney, Ph.D., P.E.

Enclosures

Attachment A

General Scope of Work Remediation of Norman's Cleaners Site

December 10, 2014

Remediation work is being conducted in accordance with Site Remediation Program (SRP) requirements as provided in 35 IAC 742. Norman's Cleaners enrolled in the Illinois Site Remediation Program on February 1, 2010 (LPC# 0312310009). Illinois EPA approved the following principle remedial action plan (RAP) components:

- o Review/prepare Health & Safety and Traffic Plans to perform the work;
- o Grid the work to enable targeted soil treatment, removal, and sampling;
- o Coordinate survey work to establish control points such that the work can be performed;
- o Perform real time air monitoring during the work;
- o Treat soils exceeding perchloroethylene (PCE) concentrations of 60 mg/Kg; Chemical oxidant will be mixed in situ to treat soils. Soils exceeding residential standards will be removed to landfill;
- o Restore the Site to a graded elevation;
- o Report findings to Village, Norman's, Dry Cleaner Fund (as needed), and Illinois EPA;
- o Work with the Illinois Drycleaning Fund to obtain reimbursement to the extent possible;
- o Develop contingency plan(s) consistent with future site use if necessary.

E. Cooney Associates, Inc. (ECA) is proposing to manage the remediation work, collect confirmation samples following the work, prepare reports

describing the work, and tracking project costs. The remedial alternative proposed to achieve the remediation objectives is pretreatment in place by direct mixing with a chemical oxidant followed by the excavation and offsite disposal of soil under Illinois EPA's contained-in policy. Orin Remediation and Robinette Demolition have submitted proposals to perform this work. Soil that is transported off-site will be replaced with clean backfill and compacted, as required, to restore the Site. Impacted soil will be removed using typical earthmoving equipment and open-cut excavation techniques. The volume of material to be pretreated and excavated is estimated to be approximately 869 cubic yards (plus an additional 177 cubic yards of overburden. The actual volume of soil removed will be dependent upon conditions encountered during the remediation. The Illinois Dry Cleaner Fund has approved the estimated costs.

Confirmation samples will be collected in a 20 foot grid pattern from the base and sidewalls of the excavation. Once the remediation objectives have been achieved, backfill will be placed and compacted in accordance with restoration requirements for the Site. Backfill has been aside by the Village, onsite, for reuse as fill.

The estimated total project cost is \$251,408.94. Project is anticipated to begin in Spring 2015. The proposed No Further Remediation Letter will include a construction worker caution statement (if needed), a groundwater restriction ordinance, a indoor air building control limitations, and/or any other measures necessary to preserve the integrity of future use plans for this Site.

Attachment B

QUALIFICATIONS

ECA has helped a variety of clients, from individuals to multibillion dollar revenue-sized companies solve air, wastewater, storm water, groundwater, and waste management problems since 1994. I have briefly summarized a few of the community-related projects for your review. **A summary of projects can be found at www.ecooney.com.**

Relevant Park District Experience

- Oak Park
- Arlington Heights
- Cary
- Glen Ellyn
- Naperville
- Lisle
- Wheeling
- Bensenville
- Berwyn
- Bartlett

Relevant Municipal Experience

- Arlington Heights
- Murphysboro
- Orland Park
- Elmhurst
- Deer Park

Relevant Manufacturing Experience

- Nissan of North America
- Union Tank Car Company

- Penn Aluminum International
- Sun Container
- Ray Graham Association
- Acme Refining

Example Projects

- Provided technical assistance to the Naperville Park District for the characterization and ongoing investigation of Nike Park and the Nike Park Extension. Have met with Illinois EPA and spoken with representatives of the USACE regarding the concurrent activities at the former Nike missile site.
- Owner's Representative for the Park District of Oak Park. Managed an oversight team responsible for the site investigation and cleanup of a former Manufactured Gas Plant (MGP) facility located beneath Barrie Park. Assisted with design of technical aspects of the project including the investigation of the Park and area groundwater. Provided technical assistance for legal agreements negotiated between the Park District and responsible parties, ComEd and Nicor. Supervised the onsite investigation and design of remedial approach needed to safely clean-up the site. Worked closely with community groups to explain each facet of the work. Worked closely with representatives of the Illinois EPA to ensure that the Park District's interests were represented and that each SRP document was prepared correctly and completely.
- Provided technical assistance to the City of Murphysboro, Illinois for the characterization and cleanup of a former scrap yard and rail yard within a residential neighborhood. Participated in Illinois EPA meetings with community members and subsequent U.S. EPA- led emergency remedial action. Site impacts included lead and dioxins.

- Provided technical assistance to the City of Murphysboro, Illinois for the characterization and ongoing investigation of two former manufactured gas plants located within City limits. Also assisted City with review and oversight of leaking underground storage tanks at area gas stations.
- Performed investigation and cleanup of numerous manufacturing facilities including sites impacted by chlorinated solvents; non-chlorinated solvents; ethylene glycol; and heavy metals such as lead and arsenic; PCBs, and/or various solid wastes such as scrap metal, wood, and demolition debris.
- Performed investigation and cleanup of numerous former manufacturing facilities containing underground storage tanks including sites impacted by chlorinated solvents; gasoline; diesel fuel, heating oil, and/or heavy metals such as lead and chromium.
- Consulting engineer and owners representative for the investigation and cleanup of Ridgeway Cleaners located in Park Ridge. Site work was conducted within the Illinois Site Remediation Program.
- Owner's representative for a potential responsible party in Ellsworth, Illinois NPL site. Participated in RI project planning and oversight of sampling activities - soil, groundwater (shallow, intermediate, bedrock), and soil gas. Provided technical expertise regarding findings. Contaminants of concern include perchloroethylene, trichloroethylene, and other solvents.
- Technical expert for Lena, Illinois citizen's group ("NFGN") in case brought to control emissions from a nearby ethanol manufacturing facility. Issues involved prevention of significant deterioration (PSD) permitting and Title V operating permitting. Also worked with the

citizen's group, Illinois EPA, Illinois Attorney General, and U.S. District Court (Rockford) to resolve odor issues caused by this plant's emissions.

- Provided technical assistance to the Naperville Park District for the characterization, investigation, and cleanup of Pembroke Park. This work was conducted through the SRP program and was the result of a release from a nearby drycleaner.
- Technical expert for characterization of hazardous wastes at the Gary, Indiana, Ninth Avenue NPL Site.