

**AMENDED RESOLUTION AUTHORIZING AMENDMENT TO
PROFESSIONAL SERVICES CONTRACT
WITH KLEINFELDER, INC.**

WHEREAS, the Rockaway Valley Regional Sewerage Authority (RVRSA) needs to engage professional engineering services related to its New Jersey Pollutant Discharge Elimination System (NJPDES) Permit Renewal, Lab DMR assistance, IPP Assistance, Mine Hill Capacity request, and Biological Capacity Evaluation and general consulting engineering services; and

WHEREAS, the Authority has received a proposal dated February 11, 2014 from Kleinfelder, Inc., having an office at 321 Wall Street, Princeton, New Jersey ("Kleinfelder") for professional engineering services and the RVRSA retained Kleinfelder to provide those services by Resolution 14-006 on February 18, 2014 in an amount not to exceed \$87,000; and

WHEREAS, since the date that Kleinfelder was retained, additional issues have arisen, namely issuance of RVRSA's New Jersey Pollutant Discharge Elimination System (NJPDES) Permit Renewal; Anti-Degradation Study; Local Limits IPP Assistance, Mine Hill request for additional capacity, Lab/Operations DMR assistance and the need to begin an evaluation of biological capacity; and

WHEREAS, the RVRSA desires to authorize Kleinfelder, Inc. to undertake additional services as set forth in the proposal for the same dated June 4, 2014 attached hereto and made a part hereof, in an amount not to exceed \$49,000 for a new total contract not to exceed amount of \$136,000; and

WHEREAS, the necessary additional funds are available in 01-503-120 (\$10,000), 01-503-020 (\$45,000) and 01-506-020 (\$4,000); and

WHEREAS, the Local Public Contracts Law (N.J.S.A. 40:11-1 et seq.) authorizes

contracts for the provision of "Professional Services," which may be awarded without public advertising and competitive bidding, provided a brief notice of the nature, duration, service and amount of contract is published, and that the Resolution and contract are kept on file and available for public inspection.

NOW, THEREFORE, BE IT RESOLVED by the Rockaway Valley Regional Sewerage Authority as follows:

1. The Rockaway Valley Regional Sewerage Authority recognizes that Kleinfelder, Inc. has an established reputation in the fields of environmental and water science, engineering, wastewater facility operations and compliance, and that they possess the specialized abilities and resources to provide the services necessary to meet the Authority's needs.
2. The Executive Director is authorized and directed to execute an Amendment to the professional service contract between RVRSA and Kleinfelder, Inc., having an office at 321 Wall Street, Princeton, New Jersey, so as to authorize the expenditure of an additional \$49,000 to be paid on an hourly, cost reimbursable basis in accordance with the attached proposal dated June 4, 2014 resulting in a total not to exceed contract amount of \$136,000.
3. All other provisions of the contract with Kleinfelder, Inc. shall remain in effect.
4. The foregoing services are "professional" services as defined in N.J.S.A. 40A:11-2(6) which are permitted to be contracted without public bidding as set forth in N.J.S.A. 40A:11-5(1) (a) and as a "non-fair and open" contract pursuant to the provisions of N.J.S.A. 19:44A-20-5.
5. A copy of this resolution shall be available for public inspection at the offices of the RVRSA at 99 Greenbank Road, Township of Parsippany, Troy Hills, Morris County,

New Jersey.

6. Notice of Contract Award shall be published in the Daily Record as required by law within ten (10) days of execution
7. The contract is awarded based on a non-fair and open process.
8. This Resolution shall take effect as provided by law.

CERTIFICATION

I hereby certify that this Resolution was adopted at a regular meeting of the Rockaway Valley Regional Sewerage Authority held on June 12, 2014, on motion of: Glenn Corbett and second by: Thomas Andes


ROLL CALL VOTE:

YEAS: (9) Andes, Cegelka, Corbett, Guadagno, Lowell, Recchia, Schaefer, Schorno, Secco

NAYS: (0) None

ABSTAIN: (0) None

ABSENT (1) Vincitore


Michael Guadagno
Board Secretary



June 4, 2014

JoAnn Mondsini
Executive Director
Rockaway Valley Regional SA
RD #1, 99 Green Bank Road
Boonton, NJ 07005

**RE: PROPOSAL FOR ENGINEERING SERVICES
INDUSTRIAL PRETREATMENT PROGRAM AND LOCAL LIMITS ASSISTANCE**

Dear Ms. Mondsini:

As you requested, I have prepared this proposal for Kleinfelder (formerly Omni Environmental LLC) to continue assisting the Rockaway Valley Regional Sewerage Authority (RVRSA) with its Industrial Pretreatment Program.

INDUSTRIAL PRETREATMENT PROGRAM

Kleinfelder will provide technical assistance and support to RVRSA's Industrial Pretreatment Program (IPP) coordinator including, but not limited to, the following tasks:

- Review Industrial Sewer Connection Permits (ISCP) to be issued to indirect discharger IU's from technical perspective to insure that the RVRSA New Jersey Pollutant Discharge Elimination System (NJPDES) permit is not violated; provide recommendation to set numerical parameters on the table of discharges with respect to availability of loading capacity as established by developed Local Limits.
- Provide technical assistance on non-compliance matters with IU's, review of assessment of fines, and provide technical support for legal defense as expert witness.
- Review and provide recommendation on the RVRSA's performance of the implementation of the Authority's IPP program as a delegated agency.
- Provide technical recommendations to reduce industrial loading from the permitted IU's; provide support to carry out investigations to identify potential sources of "slug" discharges and other unidentified adverse discharges that may potentially cause an upset to the plant biological process and contribute to accelerated corrosion of the RVRSA's trunkline.
- Any other specific technical tasks as deemed necessary.

Based on the above, I recommend establishing an annual budget of \$10,000 for our services in this area.

LOCAL LIMITS STUDY

Kleinfelder will finalize the local limits evaluation that began in 2011. As you know, RVRSA has collected the final data required by NJDEP and we have met to discuss the results of our analysis. We have submitted a draft report for RVRSA's review and have received your comments. We will now finalize the report and submit it to NJDEP.

We suggest allocating \$10,000 to complete this study and negotiate with NJDEP.

Kleinfelder's industrial pretreatment services for RVRSA would be managed by me, with technical support by Joseph Schwarz, who is already working on RVRSA's local limits evaluation and is well known by Natalie Pisarcik.

All work would be completed on a time plus expenses basis in accordance with the contract terms and hourly rates previously established. The above individual budgets and a total budget of \$20,000 would not be exceeded without your prior authorization.

We greatly appreciate this opportunity to further serve RVRSA. Please do not hesitate to contact me with any questions. I can be reached via telephone at 609-924-8821 (Ext. 111) or via email at JCosgrove@Kleinfelder.com.

Sincerely,



James F. Cosgrove, Jr., P.E.
Vice President/Principal



June 4, 2014

JoAnn Mondsini
Executive Director
Rockaway Valley Regional SA
RD #1, 99 Green Bank Road
Boonton, NJ 07005

RE: PROPOSAL FOR OPERATIONS SUPPORT

Dear Ms. Mondsini:

As you requested, I have prepared this revised proposal for Kleinfelder (formerly Omni Environmental LLC) to continue assisting the Rockaway Valley Regional Sewerage Authority (RVRSA) with Operations Support issues.

Kleinfelder will assist RVRSA with quality control and operational issues. We understand that you wish us to provide the following support services, as needed:

- Provide support to laboratory personnel on analytical test methodologies.
- Provide technical support on Discharge Monthly Report (DMR) issues.
- And any other specific tasks directed by the Executive Director.

Kleinfelder's operations support for RVRSA would be managed by me, with technical support by Joseph Schwarz and Michael Wright.

Based on the above, I recommend establishing an annual budget of \$4,000 for our services in this area. All work would be completed on a time plus expenses basis in accordance with the contract terms and hourly rates previously established.

We greatly appreciate this opportunity to further serve RVRSA. Please do not hesitate to contact me with any questions. I can be reached via telephone at 609-924-8821 (Ext. 111) or via email at JCosgrove@Kleinfelder.com.

Sincerely,

A handwritten signature in black ink, appearing to read "James Cosgrove".

James F. Cosgrove, Jr., P.E.
Vice President/Principal



June 4, 2014

JoAnn Mondsin
Executive Director
Rockaway Valley Regional SA
RD #1, 99 Green Bank Road
Boonton, NJ 07005

RE: PROPOSAL FOR KLEINFELDER TO SERVE AS RVRSA CONSULTING ENGINEER

Dear Ms. Mondsin:

As requested by Carrie Feuer, I have prepared this revised proposal for Kleinfelder East, Inc. (formerly Omni Environmental LLC) to continue assisting the Rockaway Valley Regional Sewerage Authority (RVRSA) as a Consulting Engineer. I have thoroughly enjoyed working with RVRSA over the years, and I am thrilled to be able to work with you as the Authority's Executive Director. Thank you for requesting our continued service to RVRSA. As you know, Kleinfelder is at the forefront of the technical issues at hand, and we have developed a very close working relationship with the New Jersey Department of Environmental Protection (NJDEP) staff members. Our intimate knowledge of the current issues and closeness with NJDEP has allowed us to very efficiently assist RVRSA over many years.

Below, I have summarized the areas under which you have requested our assistance over the upcoming year:

TASK 1 - NJPDES PERMIT ISSUES

On April 15, 2014, RVRSA received a Draft New Jersey Pollutant Discharge Elimination System (NJPDES) permit. We reviewed that document and issued comments to NJDEP. I anticipate that a final NJPDES permit renewal will be issued to RVRSA within the next few months. It will be necessary to review the terms and conditions of that permit action and likely prepare an adjudicatory hearing request to contest some of its requirements. We were very successful in obtaining a favorable result through an adjudication of the prior permit, so I am confident we can serve RVRSA very positively on the new permit.

Kleinfelder's NJPDES permit services for RVRSA would be managed by me, with technical support by Thomas Amidon, who previously worked for NJDEP and often proves very useful in understanding certain issues from NJDEP's perspective. Tom also has very strong relationships with the regulators, which assists in negotiations.

Based on the Preliminary Draft permit, I recommend establishing a \$12,000 annual budget for our work in this area.

TASK 2 - TREATMENT PLANT BIOLOGICAL CAPACITY EVALUATION

The hydraulic modeling effort for the existing wastewater treatment plant (WWTP) described in Task 4 below, will produce a hydraulic profile through the plant. That model will allow RVRSA to identify the hydraulic capacity limiting components of the WWTP and the current peak flow capacity of the overall plant. In addition to the hydraulic model, we propose to complete a water quality model that will simulate the biological processes of the plant and determine the biological capacity of the operation. The model will be very valuable to RVRSA in understanding the treatment plant capabilities and will be a great tool to later determine how the plant could be modified to allow for treatment of higher flows.

Kleinfelder's services for RVRSA on the biological model would be managed by Tim Bradley.

I recommend establishing a budget of \$20,000 for our services in this area.

TASK 3 - GENERAL WASTEWATER ENGINEERING SERVICES

Kleinfelder will provide general wastewater engineering services to RVRSA, as needed throughout the year. As you know, we have extensive wastewater engineering experience encompassing facility planning, evaluations, design, permitting, construction management, start-up, operations assistance, training, and process troubleshooting.

Kleinfelder's general engineering services would be provided on an as-requested basis for tasks such as:

- Attending meetings.
- Providing inspections of the wastewater collection and treatment system assets.
- Performing studies related to the wastewater collection and treatment system.
- Providing assistance in identifying and prioritizing capital improvement needs.
- Providing assistance in obtaining funding through the New Jersey Environmental Infrastructure Financing Program.
- Preparing engineering reports.
- Preparing design plans and specifications.
- Providing construction administration services.
- Provide advice and consultation related to operating, maintaining and optimizing the wastewater treatment system.

Kleinfelder general engineering services for RVRSA would be managed by Tim Bradley, who has over 30 years of wastewater engineering experience with authorities and municipalities throughout New Jersey. Tim is committed to providing engineering services with the same level of responsiveness and quality that Kleinfelder has demonstrated during our many years of providing regulatory support services to

RVRSA. In working closely with RVRSA, Tim will utilize Mark Bean, P.E. and other staff members as appropriate to complete the as-requested assignments.

We suggest establishing a budget of \$25,000 for general wastewater engineering work. However, for large task assignments, we can provide scopes of work and corresponding budgets. In such cases, the budget would not be exceeded without a change in the scope of work and approval from RVRSA.

TASK 4 – TREATMENT PLANT HYDRAULIC MODELING

Kleinfelder will prepare a spreadsheet-based hydraulic model of the existing WWTP, which will be used to develop the hydraulic profile through the plant. This analysis will enable Kleinfelder to identify the hydraulic capacity limiting components of the WWTP and the current peak flow capacity of the overall plant. The work performed in this task will be presented in a draft technical memorandum which will be submitted to RVRSA for review. Kleinfelder will participate in a meeting or conference call to discuss the draft technical memorandum. The technical memorandum will be finalized following the meeting or conference call.

We suggest establishing a budget of \$15,000 for the hydraulic modeling.

TASK 5 – SCADA/INSTRUMENTATION REVIEW

Kleinfelder, in conjunction with Morehouse Engineering, Inc. (MEI), will conduct a site visit and meet with RVRSA staff to: review current SCADA systems and process instrumentation; discuss RVRSA's objectives for plant-wide SCADA and instrumentation enhancements; and discuss options, advantages, disadvantages, etc. Based on the meeting and site visit, Kleinfelder/MEI will prepare a draft technical memorandum presenting a conceptual plan for plant-wide SCADA improvements. A meeting or conference call will be held to discuss the draft technical memorandum. The draft technical memorandum will be finalized following the conference call or meeting.

We suggest establishing a budget of \$10,000 for this task.

TASK 6 – FILTRATION STRATEGY

Kleinfelder will perform a conceptual evaluation of the budgetary cost for implementing effluent filtration at the WWTP. The conceptual evaluation will consider two types of low headloss effluent filters: disc type filters and traveling bridge type filters. For both options, the hydraulic profile developed in Task 4 will be used to assess the feasibility of implementing effluent filtration without intermediate pumping. Budgetary technical and cost proposals will be obtained from a representative manufacturer of both systems for two flow scenarios. The first scenario would be to size the filters to receive 100% of final clarifier effluent flow. The second scenario would be to reduce the capacity and cost of effluent filters by sizing the filters such that blending occurs during high flow events. This information will be used to develop conceptual site plans showing filter size and location, and to develop a budgetary capital cost estimates for both options. If intermediate pumping is found to be needed, a budgetary capital cost estimate for

effluent pumping will also be prepared. The work performed in this task will be presented in a draft technical memorandum, which will be submitted to RVRSA for review. Kleinfelder will participate in a meeting or conference call to discuss the draft technical memorandum. The technical memorandum will be finalized following the meeting or conference call.

We suggest establishing a budget of \$10,000 for the filtration strategy.

TASK 7 – COMPLETION OF ANTI-DEGRADATION STUDY

In February 2013, we issued a draft anti-degradation study report to RVRSA. This study evaluated the impact of a larger discharge on the Rockaway River and established appropriate effluent limits for an expanded facility flow ranging from 12.5 to 14.0 mgd. We anticipated that Morris County would have completed its WMP, and associated build-out analysis for the RVRSA sewer service area, long ago. Therefore, we have been awaiting the final build-out flow to finalize our report.

In order to finalize the report, we also should incorporate the terms contained within the impending NJPDES permit renewal. Also, NJDEP has recently changed its calculation methodology for anti-degradation studies. Therefore, although NJDEP agreed to the approach previously utilized for our anti-degradation analysis, it may be to RVRSA's benefit to revise the analysis incorporating NJDEP's new approach. I expect that will make the review process much more efficient, as well.

We estimate a budget of \$15,000 is sufficient to revise the calculations and finalize the report.

TASK 8 – MINE HILL WASTEWATER MANAGEMENT PLANNING

Kleinfelder will assist RVRSA with wastewater management planning issues related to Mine Hill Township. We will develop a database of all Mine Hill connections to the RVRSA sewer system, establish the capacity currently utilized by Mine Hill, and assist RVRSA in negotiating an amended contract with Mine Hill. We also expect to participate in meetings between Mine Hill and RVRSA. *15,000. approved at bd meet 6/12/14*

I recommend establishing a budget of \$25,000 for our services in this area. All work would be completed on a time plus expenses basis in accordance with the contract terms and hourly rates previously established.

Below, we have summarized each task and the requested budget:

Task #	Task Description	Budget
1	NJPDES Permit Issues	\$12,000
2	Biological Capacity Evaluation	\$20,000
3	General Wastewater Engineering	\$25,000
4	Treatment Plant Hydraulic Modeling	\$15,000
5	SCADA/Instrumentation Review	\$10,000
6	Filtration Strategy	\$10,000
7	Anti-Degradation Study Revisions	\$15,000
8	Mine Hill Assistance	\$25,000 ^{15,000}
	Total	\$132,000

All work completed by Kleinfelder on the seven tasks summarized above would be billed on a time plus expenses basis in accordance with the attached hourly billing rates and Client Services Agreement, which has been reviewed and approved by your attorney (Diane Alexander, Esq.). **We will not exceed the task budgets suggested above, nor will we exceed a total budget of \$132,000, without your prior approval.** As requested, Kleinfelder will issue a single monthly invoice for Tasks 1 through 6, with the work for each task itemized separately, and separate invoices for Task 7 and 8.

We greatly appreciate this opportunity to further serve RVRSA. As required, I have enclosed the certified Business Entity Disclosure Certification, Political Contribution Disclosure Certification Form, and Stockholder Disclosure Certification. In addition, I have enclosed our New Jersey Business Registration Certificate and Certificate of Employee Information Report.

Please do not hesitate to contact me with any questions. I can be reached via telephone at 609-924-8821 (Ext. 111) or via email at JCosgrove@Kleinfelder.com.

Sincerely,



James F. Cosgrove, Jr., P.E.
Vice President/Principal

Enclosures