

Noise Control Engineering, LLC



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June 19, 2014

NCE Proposal: P2014-NCE-105; Facility Compliance and Diagnostic Noise Surveys

Mr. Scott Mutch
Zoning Enforcement Officer & Assistant Town Planner
Town of Acton
Planning Department
472 Main Street
Acton, MA 01720

Dear Mr. Mutch:

Noise Control Engineering, LLC (NCE) is pleased to provide this proposal to perform a noise evaluation with respect to the outdoor wood processing facility at 848 Main Street in Acton, Massachusetts. NCE proposes to conduct a compliance and diagnostic noise assessment of the facility as described below. The proposal is in response to the Town of Acton, Request for Quotes (RFQ) dated June 9, 2014. NCE has divided the proposal into two tasks as given below.

TASK #1: Compliance and Diagnostic Noise Assessment & Report

NCE will provide one engineer that will perform noise monitoring measurements at the two locations noted in the RFQ; 47 Heartland Way and 31 Heartland Way. NCE will measure the sound pressure levels at the two locations while the wood processing operations are underway for each of the activities noted in the RFQ (unloading, loading, sawing, splitting, etc.). This approach to performing the noise survey can only be done with the participation of the wood processing business. Other methods to assess compliance would be necessary if the business is not a cooperating partner. The sound pressure levels (SPL) measured at the two locations above will be used to determine compliance with the State and local noise regulations. Background noise levels will be determined when the wood processing operations were not occurring. However, Task #2 below is a more comprehensive background noise monitoring effort.

With permission from the business, NCE will also take measurements in and around the wood processing equipment. This information will be used for diagnostic purposes and to aid in determination of effective noise mitigation strategies.

After the survey is completed, NCE will review data back at our office and then provide a written letter report with the results from the compliance and diagnostic survey. The report will identify the sound levels at the two (2) abutting locations and compare the measured SPL with state and local noise regulations.

NCE will also make general recommendations on the proper methods to mitigate the sound based on the sound paths identified during the diagnostic measurements. NCE will provide general recommendations on the effectiveness of proposed treatments. NCE will provide discussion regarding baseline sound levels and sound propagation over distance to the abutting properties. Lastly, NCE will provide a general discussion of noise monitoring methods and possible instrumentation to carry out this verification. Lastly, NCE will attend a Board of Selectman's meeting to present the findings in the above report and answer Selectman and community questions.

TASK #2: Background Noise Survey (OPTIONAL)

In the case of this situation, background noise is the sound pressure level when the subject business is not operating. Therefore, this can be determined to some degree during the compliance and diagnostic survey. However, it is not clear if the Town of Acton desired a more complete background noise survey as given in item (1) of the RFQ. In the case that a longer term background noise measurement is desired this optional task will satisfy this need. NCE approach is as given below.

NCE will install a logging sound level meter (SLM) for period of one week to measure existing background noise levels. Figure 1 shows the equipment to be used. After the monitoring period is completed, NCE will download the SLM and compile the data which the results from will be provided in the report mentioned in Task 1.

PRICING

The price for the above scope of work is \$3,200 for Task 1 and an additional \$700 for the optional Task 2. If both Tasks are selected the total price is \$3,900. All prices are given on a fixed price basis subject to NCE contractual terms given on the last page of this proposal.

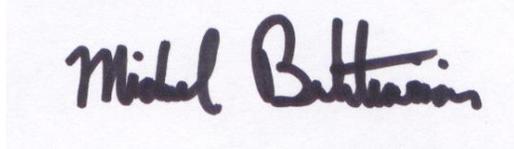
EXCLUSIONS

This proposal does not include any legal support or follow-up (after treatment installation) noise surveys. However, both services can be provided at further cost. In the case of legal support, NCE has both firm and engineer qualifications to act as "expert witness". NCE as a company is a member firm of the National Council of Acoustical Consultants (NCAC) and Mr. Bahtiarian is a board certified member of the Institute of Noise Control Engineers which is equivalent to Professional Engineer (PE) for the field of noise control/acoustics. The hourly rate for follow up work would range from \$70/hour for engineering staff to \$198/hour for

board certified staff. Follow up work that would include further noise measurements would be performed by engineering staff. Expert witness work would be performed by board certified staff.

I hope this proposal meets your technical and budgetary requirements. Please feel free to contact me if you have any further questions or concerns.

Sincerely,
NOISE CONTROL ENGINEERING, LLC

A handwritten signature in black ink that reads "Michael Bahtarian". The signature is written in a cursive style and is centered within a light gray rectangular box.

Michael Bahtarian, INCE Bd. Cert. (mikeb@noise-control.com)
Vice President

FIGURE 1: NCE logging sound level meter at a site.



Contractual Terms and Conditions – Fixed Price Proposal

- This proposal is presented as a Fixed Price type effort at as noted in the above proposal; with the task statements and deliverables as defined in the technical section of this proposal.
- Notwithstanding any terms and conditions contained in a Purchase Order (PO), any contract issued as a result of this proposal will be subject to mutually agreed terms and conditions. Any pre-printed terms and conditions contained in the PO do not apply.
- NCE charges G&A and fee on Other Direct Costs, including travel.
- All monthly progress payments are due within thirty (30) days of the invoice date.
- Any late payments are subject to an interest charge of 1.5% per month.
- Any amounts due and unpaid are subject to all cost of attorney’s fees for collection
- NCE will stop work on this project if payments are overdue by three weeks.
- This price is exclusive of any local taxes or license fees.
- This proposal may be considered valid for thirty (30) days from the date of this proposal.
- It travel is to take place on this project and specific instructions from the Buyer exist NCE is to be notified by the Buyer prior to the travel occurring.
- If the Buyer has specific insurance requirements, NCE is to be notified prior to the start of work.
- Any Bank fees incurred during payments will be charged back to the client.
- In order to start the efforts proposed here NCE will need the following:

Purchase Order Number _____

Bill to information: _____

e-mail address for billing, if acceptable: _____

The undersigned agrees to mutual acceptance of this proposal:

Authorized Signature _____ Date: _____

Printed name: _____

Contact Person (If different than Signer above) _____

Phone number _____

Raymond Fischer _____ Date: _____

Noise Control Engineering, LLC