

Regulated Research Institutional/Industrial Setting Form (1C)

This form must be completed AFTER experimentation by the adult supervising the student research conducted in a regulated research institution, industrial setting or any work site other than home, school or field.

Student's Name(s) Mikayla O'Hagan

Title of Project Heavy Metal Pollution in Nassau County: Are Street Trees Helping Keep Streets Clean?

To be completed by the Supervising Adult in the Setting (NOT the Student(s)) after experimentation:

(Responses must be on the form as it is required to be displayed at student's project booth; please do not print double-sided.)

The student(s) conducted research at my work site:

1. Did you or your proxy (e.g. graduate student, postdoc, employee) mentor or provide substantial guidance to the student researcher? ☒ Yes ☐ No
- a. If no, describe your and/or your institution's role with the student researcher and his/her project (e.g. supervised use of equipment on site without ongoing mentorship and sign below.

b. If yes, complete questions 2 –5.

2. Is the student's research project a subset of your ongoing research or work? ☐ Yes ☒ No
- Use questions 3, 4 and 5 to detail how the student's project was similar and/or different from ongoing research or work at your site.

3. Describe the independence and creativity with which the student:
- a. developed the hypotheses or engineering goals for the research project

Mikayla came up with the hypothesis and research topic independently. Mikayla actually thought to combine two parts of our lab she combined research on trees with the lead in soils research. Through several confrences we refined her ideas and made the idea more plausible.

b. designed the methodology for his/her research project

Mikayla folowed some of the past protocols but did a lot of research and created a modified version of our typical protocol.

c. analyzed and interpreted data

For the most part Mikayla iterperted the data but recieved help with the analysis. My lab maneger Wayne walked her through most of the analysis but they worked on it together.

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4. Detail the student's role in conducting the research (e.g. data collection, specific procedures performed). Differentiate what the student observed and what the student actually did.

Mikayla had a very hands on role in her project. She researched and created her own version of past protocols to make her idea plausible. She determined the locations we would be taking samples from and that we should use street trees as opposed to property trees so we would not need consent from property owners. Mikayla could not physically scan the samples with the live XRF due to safety precautions.

5. Did the student(s) work on the project as part of a group? ☐ Yes ☒ No
If yes, how many individuals were in the group and who were they (e.g. high school students, graduate students, faculty, professional researchers)?

No.

I attest that the student has conducted the work as indicated above and that any required review and approval by institutional regulatory board (IRB/IACUC/IBC) has been obtained. Copies are attached if applicable.
I further acknowledge that the student will be presenting this work publicly in competition and I have communicated with the student research regarding any requirements for my review and/or restrictions of what is publicized.

Steve M. Raciti

Supervising Adult's Printed Name

Hofstra University

Institution

227 Gittleson Hall, Hofstra University, Hempstead, NY

Address

Steve Raciti

Signature

Professor of Biology

Title

7/1/19

Date Signed (must be after experimentation) (mm/dd/yy)

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