

**OFFICE OF RESOURCE CONSERVATION AND RECOVERY (ORCR)
OFFICE OF LAND AND EMERGENCY RESPONSE**

Please review the following information for instructions on how to apply:

REQUIREMENTS

- At least 16 years of age
- Applicants must be current students pursuing a degree or certificate in a qualifying educational institution
- Able to provide a current transcript (official or unofficial accepted)
- Able to provide proof of enrollment (letter reflecting good standing and continued enrollment)
- Review attached project descriptions for prerequisites and/or knowledge/experience requirements

TIME COMMITMENT

- Projects are available June 3 – August 23
 - Students must commit a minimum of 6 weeks and a maximum of 10 weeks
 - Expect to work on site a minimum of 3 days per week
- (Schedules may vary according to project and/or manager approval)

POSITION LOCATION

Environmental Protection Agency
One Potomac Yard (South Building)
2777 Crystal Drive
Arlington, VA 22202

INTERNSHIP RELATED TO THE FOLLOWING FIELDS OF STUDY

Biology, Engineering, Chemistry, Communications, Economics, Environmental Justice, and Environmental Sciences

HOW TO APPLY

- Applications are accepted April 8, 2019 – May 3, 2019
- For a complete listing of our internships visit: <https://epa.gov/internships/>
- Send resumes and cover letter identifying the project of interest to Goldring.susie@epa.gov

1. Explosives Disposal Alternatives Team (EDAT) Intern

Project Description:

The summer intern(s) will work with the Explosives Disposal Alternatives Team (EDAT) to assess open burning and open detonation (OB/OD) of hazardous waste explosives/energetics and alternatives to OB/OD with the goal of defining future policy, guidance, and/or regulation.

Points of Contact:

Amanda Kohler, Branch Chief, 703-308-8975
Sasha Gerhard, Team Leader, 703-879-8501
Ken Shuster, 703-308-8759

Location of Assignment:

EPA's Office of Resource Conservation and Recovery (ORCR), Permits Branch.
One Potomac Yard
2777 S. Crystal Drive
Crystal City, Arlington, VA 22202

Program Mission/Objective:

The EDAT provides guidance and support to federal agencies, states, tribes, EPA regional offices, local governments, and the private sector on the management of hazardous waste energetics under the Resource Conservation and Recovery Act (RCRA).

Projects:

As a member of the EDAT, the interns will assist with one or more of the following projects related to the safe, secure, and environmentally protective handling, transportation, and treatment of energetics, including fireworks, flares, auto airbag explosives, propellants, and munitions:

- a. *Evaluating potential treatment options for managing (including repurposing) waste fireworks, flares, and auto airbag explosives:* This includes working with EDAT, other ORCR staff, Department of Transportation (DOT), other federal agencies, and the National Bomb Squad Commanders' Advisory Board to develop options, strategies, and communications for managing these wastes in compliance with RCRA and DOT regulations.
- b. *Collaboration on a strategy to assess open burning/open detonation of energetic wastes:* Development and implementation of goals and objectives related to assessing use of alternatives to OB/OD, characterization of environmental impacts, and assessing cleanup practices for OB/OD sites.
- c. *Strengthening permits for OB/OD:* Work with states and regions on areas for improvement/training related to OB/OD permit quality, to assure they are protective of human health and the environment.

These projects may include the following tasks: 1) gathering information from RCRAInfo and Superfund (CERCLA) data pulls, and other sources and analyzing the data, 2) doing a review of

files, websites, and literature for OB/OD contamination, cleanup, and other information regarding OB/OD and alternatives, 3) constructing a simple (e.g., Excel) data base designed to hold, display, and generate reports about these data and information, and 4) contacting federal and/or state permitting authorities to gather or verify facility-specific data.

Outreach:

The interns will participate in nationwide energetics workgroup (Subpart X) conference calls with EPA regional offices and state permit writers and may also attend EPA-DOD Workgroup meetings and an Interagency Committee on Explosives (ICE) meeting.

At the conclusion of the summer internship, the interns will present a summary of their summer project(s) and findings to the EDAT team and other office staff and interns, and perhaps to the nationwide Subpart X workgroup conference call, typically in the form of a power point presentation.

Desirable Skills/Qualifications:

Ideally: A technical background (e.g., chemistry, engineering, environmental science). Good oral and written communications skills. Knowledge of simple data base (Excel/Access) construction and manipulation, and power point. Analytical skills, ability to multi-task, and attention to detail. Team participation and outreach skills.

Is travel or training involved? Local travel only.

2. Assessing Disposal Practices of Emerging Chemicals of Concern - PFAS

Background

Per- and polyfluoroalkyl substances (PFAS) are a group of man-made chemicals that includes PFOA, PFOS, GenX, and many other chemicals. PFAS have been manufactured and used in a variety of industries around the globe, including in the United States since the 1940s. PFOA and PFOS have been the most extensively produced and studied of these chemicals. Both chemicals are very persistent in the environment and in the human body – meaning they don't break down and they can accumulate over time. There is evidence that exposure to PFAS can lead to adverse human health effects.

Environmental contamination involving PFAS and the associated risks to the public have recently been getting a lot of attention. For example, if you have access to Netflix, check out the recently released documentary called “The Devil We Know” to get more background info on this important issue.

Although there's been a lot of research on how best to clean up soil and groundwater that has been contaminated with PFAS compounds, EPA needs to better assess how to properly dispose materials containing PFAS. For example, many entities have voluntarily agreed to no longer use materials that contain PFAS compounds (such as certain types of aqueous film forming foam used to fight fires at chemical plants). That means that these products that contain PFAS need to be safely disposed. That's where we need your help!

Tasks to Be Completed

The intern will:

- Investigate the quantity/types of PFAS materials expected to be disposed in the future.
- Research the viability of using various waste treatment/disposal methods for materials containing PFAS, focusing on treatment via combustion devices such as incinerators, and, to a lesser extent, disposal via landfilling.
- This includes assessing the waste management practices used in other countries (e.g., pursuant to the Stockholm Convention agreement).

Skills needed for this project:

- An interest in emerging technical/scientific/policy issues that are relevant to EPA's mission of protecting human health and the environment
- Communication & writing skills
- Ability to work independently
- Good research skills

Travel/Training and Location of Assignment: No travel/training necessary during assignment. Position is with the Permits Branch in EPA's Office of Resource Conservation and Recovery, which is located at 2777 S. Crystal Drive, Crystal City, Arlington, VA.

3. Permits Branch - Used Oil Intern

Project Description:

Examine trends in used oil generation, collection, and recycling. The primary activity will be assisting Permits Branch staff in working with the Department of Energy (DOE) to update their 2006 Used Oil Refining Study https://fossil.energy.gov/epact/used_oil_report.pdf. The update is a congressional mandate (H.R. 1733) directing DOE, with EPA's cooperation, to update the Study to reflect current trends in the recycling of used oil. The original Study, prepared with the cooperation of DOE, EPA, selected States, and industry, was based on data from the 1990s. An updated Study, based on recent data, would help inform stakeholders in the public and private sectors whose interests relate to the recycling of used oil.

Additional activities may involve developing ways to

- (1) increase the responsible collection of used oil;
- (2) disseminate public information concerning sustainable reuse options for used oil;
- (3) promote sustainable reuse of used oil by federal agencies, recipients of federal grant funds, entities contracting with the federal government, and the general public; and.
- (4) assess the implications of the use and recycling of biosynthetic lubricants

Points of Contact:

Amanda Kohler, Supervisor, 703-308-8975

Jeff Gaines, Team Leader 703-308-8655

Location of Assignment:

EPA's Office of Resource Conservation and Recovery (ORCR), Permits Branch.

One Potomac Yard

2777 S. Crystal Drive

Crystal City, Arlington, VA

Program Mission/Objective:

Promote used oil recycling

Outreach:

The interns will, as needed, participate in workgroup conference calls/meetings with EPA staff, state permit writers, and DOE staff. Calls may also involve industry and/or the public.

At the conclusion of the summer internship, the interns will present a summary of their summer project and findings to office staff and other interns.

Desirable Skills/Qualifications:

Ideally, a technical background (e.g., chemistry, engineering, environmental science). Good oral and written communication skills. Knowledge of simple database (Excel/Access) construction

and manipulation. Analytical skills, ability to multi-task, and attention to detail. Team participation and outreach skills.

Is travel or training involved? Local travel only.

4. Sustainable Management of Food Intern

Name of point of contact/supervisor/phone number:

Supervisor

Nicole Villamizar
U.S. Environmental Protection Agency
Office of Resource Conservation and Recovery
Materials Management Branch, Mail Code 5306P
1200 Pennsylvania Ave. N.W.
Washington DC 20460
Phone: 703-347-8952
Email: Villamizar.Nicole@epa.gov

Point of Contact

Lana Suarez
U.S. Environmental Protection Agency
Office of Resource Conservation and Recovery
Materials Management Branch, Mail Code 5306P
1200 Pennsylvania Ave. N.W.
Washington DC 20460
Phone: (703) 308-4972
Email: Suarez.Lana@epa.gov

Location of assignment:

Potomac Yard One
2777 S. Crystal Drive
Arlington, VA 22202

Describe program (mission/objectives):

The Materials Management Branch of EPA's Office of Resource Conservation and Recovery (ORCR) is responsible for implementing sustainable materials management (SMM) in strategic areas selected for having the greatest potential for reductions in environmental impacts across the life cycle. As such, the branch develops and implements efforts to advance sustainable management of food practices throughout the United States to prevent and divert wasted food from landfills. Implementing the Food Recovery Challenge (FRC) is the main vehicle the branch uses to meet our goals. EPA is responsible, along with the U.S. Department of Agriculture, for developing and implementing strategies and efforts to meet the U.S. goal of reducing wasted food by 50% by 2030.

Define project(s), objective(s) and tasks/assignment(s):

Project(s):

The intern may assist the Sustainable Management of Food team with the following:

- Implementing various aspects of incentive-based programs (i.e., Food Recovery Challenge) communication and outreach efforts.

- Compiling outreach tools such as fliers and presentations on EPA tools related to reducing wasted food.
- Developing new ways to describe and display data on food loss and waste.
- Supporting efforts to implement the new Winning on Reducing Food Waste Initiative.
- Conducting research on potential companies to recruit as U.S Food Loss and Waste 2030 Champions and creating materials (best practices, case studies, etc.) to be distributed to the 2030 Champions.
- Conducting outreach on measurement guides and a youth engagement toolkit, published by the Commission for Environmental Cooperation (CEC) in March 2019.
- Reviewing EPA's Sustainable Management of Food webpages and making suggestions on organization, content, and external links.
- Taking notes on internal and external national workgroup calls, such as the EPA Sustainable Management of Food Workgroup bi-weekly call, or the Food: Too Good to Waste monthly call.

Objective(s):

The project's objective is to assist EPA in meeting the national goal of reducing food loss and waste by 50% by 2030, as well as helping to bring about wasted food reduction by current FRC participants and endorsers. Outputs could include written outreach materials such as fliers and presentations, as well as revised web content. The intern will work with EPA staff in the Materials Management Branch, Resource Conservation and Sustainability Division, and other headquarters program offices on the activities and projects detailed above.

Task(s)/assignment(s):

The intern may be assigned tasks similar to those listed below:

- Create a welcome packet for Food Recovery Challenge participants containing tools, best practices, and standard operating procedures.
- Develop public-facing fliers and presentations about EPA tools and initiatives.
- Develop a flier for print and web content characterizing food waste estimates and statistics.
- Conduct research on prospective 2030 Champion companies and develop technical materials for 2030 Champions.
- Implement outreach and communications strategies for CEC publications.
- Review and suggest revisions to improve EPA's Sustainable Management of Food webpages.
- Take notes on national conference calls.

Identify prerequisite qualifications:

- Strong oral/written communication skills
- Experience with team-based work projects and outreach
- Experience/interest in sustainable management of food, government, and environmental issues
- Intermediate skills in graphic design, creating flyers, infographics, presentations, etc.

- Intermediate skills in Microsoft Office, especially Publisher, Word, PowerPoint and Excel
- Strong research skills, including web researching skills

Describe any other requirements such as travel or training: If you know there will be travel costs associated with conferences or training, please make sure to list details and costs here:

No travel is anticipated.

5. Green Sports Intern

Name of Project:

Sustainable Materials Management (SMM)

Name of point of contact/supervisor/phone number:

Ron Vance and Tyler Rubright
U.S. Environmental Protection Agency
Office of Resource Conservation and Recovery
Resource Conservation Branch, Mail Code 5306P
1200 Pennsylvania Ave. N.W.
Washington DC 20460
Phone: 703-347-8951 (Ron Vance); 703-308-8666 (Tyler Rubright)
Email: Vance.Ronald@epa.gov, Rubright.Tyler@epa.gov

Location of assignment:

Washington, DC (actual office, Potomac Yard, Arlington, Virginia)

Describe program (mission/objectives):

EPA's Office of Resource Conservation and Recovery (ORCR), Resource Conservation and Sustainability Division (RCSD), Resource Conservation Branch (RCB) monitors national municipal solid waste material flows. RCB is also responsible for the annual Characterization Report of all material in the US. In concordance with the Sustainable Materials Management (SMM) initiatives, RCB also tracks recycling programs, materials, and lifecycle flows nationally through the Federal Green Challenge, Food Recovery Challenge, and the Electronics Challenge. The SMM program also engages with various stakeholders across the public, private, and non-for-profit sectors.

Define project(s), objective(s) and tasks/assignment(s):

Project(s):

- The main project involves producing materials for EPA's various Green Sports initiatives. These initiatives are centered around decreasing the amount of material sent to landfills, reducing event food loss and waste, increasing the use of sustainable materials, and increasing the recovery of valuable material commodities. The products will be used for presentations at various green sports-related conferences and engagements with key entities.
- Secondary assignments include verifying existing data outputs, recording procedures, and organizing digital data files.

Objective(s):

The intern will work closely with EPA staff in RCB, RCSD, and other headquarters program offices on the activities and projects detailed above.

The intern will develop an understanding of national data surrounding various recycling initiatives and tracking systems. The intern will learn about the background methodology in material flows calculation. The intern will develop an understanding of the EPA's role in recycling promotion and promulgation, as well as translating data results to various audiences.

Task(s)/assignment(s):

The intern will be assigned tasks or tasks similar to those listed below:

- Learn the structure of data collection within RCB
- Work with the measurement team within RCB to develop a consistent format for produced materials
- Organize and standardize messaging
- Record procedures for reproducibility
- Prepare presentations for various audiences

Identify prerequisite qualifications:

- Good communication skills, experience working with teams or public
- Knowledge of database systems including, but not limited to Microsoft Excel. Ability to work comfortably with medium to large datasets.
- Ability to craft creative materials for consistent and clear messaging, directed towards the target audience.
- Strong skills in Microsoft Word and PowerPoint
- Interest/course work in recycling, sustainability, public health, or environmental sciences

Describe any other requirements such as travel or training: If you know there will be travel costs associated with conferences or training, please make sure to list details and costs here:

No travel is anticipated.

6. Hazardous Waste Regulatory Development Intern

Name of Project: Increasing Recycling: Adding Aerosol Cans to the Universal Waste Regulations

Name of point of contact/supervisor/phone number:

Tracy Atagi and Laura Stanley
U.S. Environmental Protection Agency
Office of Resource Conservation and Recovery
Resource Conservation Branch, Mail Code 5306P
1200 Pennsylvania Ave. N.W.
Washington DC 20460
Phone: 703-308-8672 (Tracy Atagi); 703-308-7285 (Laura Stanley)
Email: Atagi.Tracy@epa.gov, Stanley.Laura@epa.gov

Location of assignment:

Washington, DC (actual office, Potomac Yard, Arlington, Virginia)

Describe program (mission/objectives):

EPA's Office of Resource Conservation and Recovery (ORCR), Materials Recovery and Waste Management Division (MRWMD), Recycling and Generator Branch (RGB) develops the and implements regulations that govern to the generation and recycling of hazardous waste.

Define project(s), objective(s) and tasks/assignment(s):

Project(s):

This internship is an excellent opportunity to be on the front lines of EPA's regulatory development. The intern will have opportunities to work on a regulatory action designed to increase recycling—the final rule “Increasing Recycling: Adding Aerosol Cans to the Universal Waste Regulations.” The intern will learn about emerging issues such as hazardous waste management as well as gain a thorough understanding of the base RCRA hazardous waste generator program and the universal waste program. Through the regulatory development process, the intern will have the opportunity to interact with staff from all over the Agency. The intern will also gain a working knowledge of the EPA regulatory development process.

Objective(s):

The intern will learn about how wastes and recyclable materials are regulated by the federal government when they are hazardous. The intern will gain an understanding of how hazardous waste regulations intersect with recycling. The intern will also learn about the EPA regulatory development process.

Task(s)/assignment(s):

The intern will be assigned tasks or tasks similar to those listed below. The specific tasks will be agreed upon in the first weeks of their internship and will be based on a matching of skill sets and interests.

- Read public comments on the rule, sort and organize public comments, and assist in developing responses
- Draft and review preamble text of the final rule
- Attend workgroup meetings to learn about the policy development
- Research various technical policy topic areas related to the final rule

Identify prerequisite qualifications:

- Good communication skills, experience working with teams
- Superior critical thinking and analytical skills
- Ability to research policy and technical issues and multi-task across various projects
- Background/course work in environmental policy, environmental economics, or environmental sciences is a plus, but not necessary

Describe any other requirements such as travel or training: If you know there will be travel costs associated with conferences or training, please make sure to list details and costs here:

No travel is anticipated.

7. Environmental Issues Arising from Lithium-ion Batteries in the Waste Stream Intern

Project Description: Research the environmental and safety problems in the waste stream stemming from lithium-ion batteries in our electronic devices. Specifically, (1) examine challenges posed by lithium-ion batteries in the waste and recycling stream and (2) research best practices that can be used to reduce these challenges during reuse, recycling and transporting the used batteries. The intern will write a report and give a presentation describing the findings. \

Points of Contact and Supervisor:

Karen Pollard
703-308-3948
Pollard.karen@epa.gov

Kim Cochran, Acting Branch Chief

Location of Assignment:

One Potomac Yard
2777 S. Crystal Drive
Arlington, Virginia

Program Mission:

EPA's Office of Resource Conservation and Recovery (ORCR), Resource Conservation and Sustainability Division (RCSD). Sustainable Materials Management (SMM) is a systemic approach to using and reusing materials more productively over their entire life cycles. It represents a change in how our society thinks about the use of natural resources and environmental protection. By looking at a product's entire life cycle, we can find new opportunities to reduce environmental impacts, conserve resources and reduce costs. This project will help in understanding the extent of environmental and safety issues caused by lithium-ion batteries in the waste stream.

Project, Objective, and Task Assignments:

Project

There were approximately 5.5-6 billion lithium-ion batteries cells manufactured worldwide in 2017 and the use of these batteries is projected to increase. When users are done with these batteries, they end up either in the waste or the recycling stream. If they are mismanaged, these batteries may pose hazards at waste management facilities. EPA is seeking an intern to research challenges that solid waste management and recycling facilities face that stem from lithium-ion batteries. In addition, the intern will research best practices that can be used to these challenges at electronics reuse and recycling facilities, and during transit of the used batteries to battery recycling centers. We will use this information to help guide future EPA actions with regard to this waste and recycling stream.

Objective

The intern will research whether lithium-ion batteries pose hazards in the waste stream. The intern will help a multidisciplinary team working to better understand potential hazards from this commonly used item.

The intern will prepare a report on the findings. The intern will also research best practices that can be used to reduce hazards during reuse and recycling and during transportation of the used batteries. The intern will also prepare and give a presentation on these findings to staff and management at the Office of Resource Conservation and Recovery.

Tasks

- Examine materials the EPA team has already collected.
- Complete further research to get a more complete understanding of the challenges that facilities experience, which may include internet research (news media, public reports, etc.), email inquiries, and phone calls with experts.
- Research best practices that can be used to reduce hazards during reuse, recycling and transit.
- Attend meetings with interested stakeholders.
- Write a report detailing the findings of the research.
- Develop and give a slide presentation on the findings of the research.
- Participate in team discussions on next steps for further research or other action based on the findings of the report.

What Skills are Needed for this Project?

- Good communication and writing skills
- Internet research skills
- Strong critical thinking and ability to synthesize information
- Ability to work with a team
- Background in environmental studies and/or sciences a plus, but not necessary

Travel or Training

No travel or training is required for this position

8. OLEM/ORCR Multimedia Modeling Science Intern

Project Description: Assisting EPA scientists and engineers update and improve computer models used to conduct environment health risk assessments.

Name of point of contact/supervisor/phone number:

Norman Birchfield (Supervisor) and Timothy Taylor
U.S. Environmental Protection Agency
Office of Resource Conservation and Recovery
Economics and Risk analysis Staff, Mail Code 5303P
1200 Pennsylvania Ave. N.W.
Washington DC 20460
Phone: 703-347-0174 (Nicole Villamizar); 703-308-8451 (Timothy Taylor)
Email: Birchfield.Norman@epa.gov, Taylor.Timothy@epa.gov

Location of assignment:

One Potomac Yard (Potomac Yard South)
2777 S. Crystal Drive
Arlington, VA

Program Mission/Objective: Among other duties, the scientists and engineers of the Economics and Risk Analysis Staff (ERAS) supply the environmental health risk assessment technical support for EPA's Office of Resource Conservation and Recovery (ORCR). ERAS conducts environmental health risk assessments, advises ORCR staff and decision-makers on technical aspects of environmental health risk, and represents ORCR in related technical work with groups outside of the Office.

Define project(s), objective(s), and tasks/assignments(s):

Project(s): Some of the older Fate & Transport models used by ERAS staff are user-unfriendly, requiring a lot of human interaction to set-up and run. The input databases of those and other models don't necessarily reflect recently-generated data. Project ideas for Modeling Science interns include assisting ERAS staff:

- Design, develop and test one or more Graphic User Interfaces (GUI's) for EPA's Composite Model for Leachate Migration with Transformation Products (EPACMTP), a groundwater fate & transport model;
- Understand how the National Oceanic and Atmospheric Agency (NOAA) generates its Climate Division monthly precipitation data, as well as the potential to use the same (or similar) methodology to generate Climate Division daily values; and
- Update the database of chemical/physical property values used by multiple models when conducting environmental health risk assessments, with an emphasis on Per- and Polyfluoroalkyl Substances (PFASs), and other chemicals of interest to current ORCR deliberations.

Objective(s): The objectives are to help update/improve the tools needed to conduct environmental health risk assessments. The intern(s) will develop a deeper understanding of how ERAS uses models to support national-scale decision-making, particularly the information needed to describe environmental media and how chemicals behave in those media.

Task(s)/assignment(s): Assignments could include tasks such as:

- Write the code for a GUI to assist in compiling model input files, or reformatting model output files
- Independent research compiling information from governmental and non-governmental sources
- Analysis of collected information with spreadsheets and/or other methods
- Preparation of draft written materials, including reports, spreadsheets, briefings, and presentations

Identify prerequisite qualifications (depending on the particular project):

- Oral/written communication skills
- Ability to work constructively as a Team member
- Research experience, including web related researching skills
- Experience with Microsoft Office (Word, Excel, PowerPoint, Access)
- Experience coding with Java, C++/C#, Visual Basic, SQL
- Experience/interest in environmental modeling, particularly model input parameter needs.

Other requirements such as travel or training: No travel is anticipated

9. RCRA Corrective Action Program Intern

Name of point of contact/supervisor/phone number:

Judy Taylor (703) 308-7277

Email: Taylor.judy@epa.gov

Location of assignment:

Washington, DC (actual office, Potomac Yard, Arlington, Virginia)

Describe program (mission/objectives):

EPA's RCRA Corrective Action Program works with states to manage and oversee remediation of contaminated industrial properties across the country. The Program has set an ambitious goal of largely cleaning up close to 3800 RCRA Subtitle C hazardous waste sites by the year 2020. Contamination and environmental issues at many of these sites should be addressed in a way that reduces impacts on human health and environment, is protective in the long-term, and allows for safe use and anticipated reuse. EPA has ten Regions with corrective action staff, and over 40 States are authorized to run their own RCRA Corrective Action programs. EPA is focusing on several aspects of cleanup such as identifying barriers to timely progress, brownfield prevention and reuse, implementing Lean principles, looking at long-term stewardship approaches, addressing emerging science issues and community engagement.

Define project(s), objective(s) and tasks/assignment(s):

Project(s):

Support for the RCRA Corrective Action Program.

Objective(s):

The intern will work with Corrective Action staff, staff from other EPA headquarters program offices, EPA regional staff and State Agency staff on a variety of activities and projects in order to learn more about the RCRA Corrective Action Program, gain a working knowledge of various site cleanup and revitalization topics and policies, and develop tools/approaches to help advance cutting edge revitalization/cleanup practices and achieve RCRA program goals.

Task(s)/assignment(s):

The intern will be assigned tasks such as:

- Research EPA Region and State policies and topics relates to specific cleanups, long-term stewardship of cleaned up properties, land reuse issues, greener cleanups and corrective action issues
- Develop background material on these topics, and brief management on findings

- Research and prepare factsheets on specific RCRA site cleanup or reuse projects for use on EPA website or other forums
- Research and prepare outreach materials, such as brochures or internet documents related to aspects of corrective action program, approaches or policies
- Participate in corrective action team meetings
- Analyze site data and prepare excel spreadsheets and graphics regarding cleanup sites and trend
- Assist in preparing presentations

The specific tasks will be agreed upon in the first weeks of their internships and will be based on a matching of skill sets and interests.

Identify prerequisite qualifications:

- An interest in environmental issues, both technical and policy
- Strong communication & writing skills
- Ability to work independently and as part of a group
- Good research skills
- Working knowledge of Excel

Describe any other requirements such as travel or training: If you know there will be travel costs associated with conferences or training, please make sure to list details and costs here:

There will be no travel.

10. Sustainable Materials Management in the Built Environment Intern

Project Description: Assist the Resource Conservation and Sustainability Division's team to advance sustainable materials management in the built environment.

Name of point of contact/supervisor/phone number:

Supervisor

Nicole Villamizar
U.S. Environmental Protection Agency
Office of Resource Conservation and Recovery
Materials Management Branch, Mail Code 5306P
1200 Pennsylvania Ave. N.W.
Washington DC 20460
Phone: 703-347-8952 (Nicole Villamizar)
Email: Villamizar.Nicole@epa.gov

Point of Contact

Rita Chow
U.S. Environmental Protection Agency
Office of Resource Conservation and Recovery
Materials Management Branch, Mail Code 5306P
1200 Pennsylvania Ave. N.W.
Washington DC 20460
Phone: 703-308-6158
Email: Chow.Rita@epa.gov

Location of assignment:

One Potomac Yard (Potomac Yard South)
2777 S. Crystal Drive
Arlington, VA

Program Mission/Objective: The Materials Management Branch (MMB) of EPA's Office of Resource Conservation and Recovery (ORCR), Resource Conservation and Sustainability Division (RCSD) works to advance the sustainable materials management of our nation's homes, buildings, roads, bridges, and other infrastructure by considering the entire life cycle of these structures, from design through construction, operation, maintenance, and end-of-life management.

Define project(s), objective(s), and tasks/assignments(s):

Project(s): The intern will be assigned to the ORCR, RCSD Built Environment Team as a member of a national EPA workgroup to help develop strategies to advance sustainable materials management in the built environment.

Objective(s): The intern should develop an understanding of the design and construction of buildings, roadways, and other infrastructure, voluntary programs in the EPA, and an understanding of sustainable materials management.

Task(s)/assignment(s):

Assignments could include tasks such as:

- Plan and design workshops to engage stakeholders on improving community resilience through natural disaster debris planning and management.
- Research and incorporate government policies into a public report.
- Independent research compiling information from governmental and non-governmental sources.
- Analysis of collected information with spreadsheets and/or other methods.
- Prepare draft written materials, including reports, briefings, and presentations.

Identify prerequisite qualifications:

- Oral/written communication skills
- Team participation and outreach skills
- Research experience, including web related researching skills
- Experience with Microsoft Office (Word, Excel, PowerPoint, Access)
- Experience/interest in the design and construction of buildings, roads, and other infrastructure, sustainable materials management, urban planning, resilience to natural disasters, government, and/or environmental issues

Other requirements such as travel or training: No travel is anticipated

11. International Sustainable Materials Management Intern

Position: Intern for International Sustainable Materials Management

Name of point of contact/supervisor/phone number:

Supervisor and Point of Contact

Kimberly Cochran

U.S. Environmental Protection Agency

Office of Resource Conservation and Recovery

Resource Conservation and Sustainability Division

Mail Code 5306P

1200 Pennsylvania Ave. N.W.

Washington DC 20460

Phone: 703-308-0046

Email: Cochran.Kimberly@epa.gov

Location of assignment:

Potomac Yard One

2777 S. Crystal Drive

Arlington, VA 22202

Describe program (mission/objectives):

The Resource Conservation and Sustainability Division of EPA's Office of Resource Conservation and Recovery (ORCR) implements sustainable materials management (SMM) in areas with the greatest potential for reductions in environmental impacts across the life cycle of products. This includes work to leverage international organizations to advance sustainable materials management practices throughout the United States to prevent and divert solid waste from landfills. EPA regularly engages international organizations such as the Organization for Economic Cooperation and Development (OECD), the Group of Seven (G7), the Group of Twenty (G20), and the UN Environment Program's International Resource Panel (IRP) to discuss SMM practices in our countries and determine how to best to advance those practices.

Define project(s), objective(s) and tasks/assignment(s):

Project(s):

- The intern will assist the Resource Conservation and Sustainability Division with various aspects of coordination with the international organizations, including distributing and reviewing reports, coordinating with U.S. agencies, and developing U.S. positions on topics that are being discussed at international levels.
- With oversight, develop communication materials, including presentations and handouts, used to communicate U.S. policies and objectives regarding SMM at international meetings.

Objective(s):

The project's objective is to assist EPA in meeting deadlines for U.S. input into key documents developed and meetings conducted by organizations such as the OECD, G7, G20, and IRP. The intern will also work to create documents and presentations that clearly communicate U.S. interests to an international audience.

Task(s)/assignment(s):

The intern will be assigned tasks or tasks similar to those listed below:

- Create clear, succinct and thorough communications documents about U.S. policy.
- Review policy documents and engage government experts in reviewing policy documents to synthesize U.S. comments.

Identify prerequisite qualifications:

- Strong oral/written communication skills
- Experience with team-based work projects and outreach
- Experience/interest in international cooperation, government, and environmental issues
- Intermediate skills in Microsoft Office
- Strong research skills, including web researching skills

Describe any other requirements such as travel or training: If you know there will be travel costs associated with conferences or training, please make sure to list details and costs here:

No travel is anticipated.