

**OFFICE OF RESOURCE CONSERVATION AND RECOVERY (ORCR)
OFFICE OF LAND AND EMERGENCY MANAGEMENT
(12 Positions Available)**

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 1 – August 28
 - 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 March 19, 2018 – May 4, 2018
- 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. **Position/Project Description:** The summer intern will work with the Explosives Disposal Alternatives Team (EDAT) to assess the practice of 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, Supervisor, 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

Program Mission/Objective:

The EDAT provides guidance and support to federal agencies, states, tribes, and EPA regional offices on the management of hazardous waste energetics under 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 waste fireworks:* This includes working with ORCR, the National Bomb Squad Commanders' Advisory Board, and the Department of Transportation to develop strategies and communications for managing waste fireworks 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 alternative technologies, characterization of environmental impacts, and assessing cleanup practices for OB/OD sites.
- c. *Strengthening permits for OB/OD:* Work with states and the Regions on areas for improvement/training related to quality permits for OB/OD that are protectives 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 meetings and perhaps an Interagency Committee on Explosives meeting.

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, and perhaps to the nationwide energetics (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 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.

2. **Position/Project Description:** Intern assisting the Office of Resource Conservation and Recovery's (ORCR) Energy Recovery and Waste Management Branch with efforts to fully implement the requirements of the Land Disposal Restrictions (LDR) program.

Point of contact/supervisor/phone number:

Elaine Eby, 703-308-8449

Location of assignment:

Office of Resource Conservation and Recovery
Potomac Yard
2777 S. Crystal Drive
Arlington, VA 22202

Describe program (mission/objectives):

Our mission is to protect human health and the environment by ensuring responsible national management of hazardous and nonhazardous waste.

Our goals are to:

- Conserve energy and resources by promoting waste reduction, reuse, and recycling;
- Prevent land contamination from mismanagement of solid and hazardous wastes;
- Clean up areas where waste may have spilled, leaked, or been improperly disposed.
- Promote safe waste management by working closely with individual states, industry, environmental groups, tribes, and the public.

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

Project(s): Assist the Office of Resource Conservation and Recovery's (ORCR) Energy Recovery and Waste Management Branch with efforts to fully implement the requirements of the Land Disposal Restrictions (LDR) program. This may include the collection and analysis of Waste Analysis Plans to ascertain how facilities comply with the LDR requirements to ensure the proper treatment of hazardous waste prior to land disposal. The intern would also be required to develop a historical record of LDR publications in the Federal Register (FR) (1986-2018) and develop critical search terms that will assist EPA staff in expeditiously locating relevant FR text on specific LDR issues. The intern would be responsible for developing draft materials for assessment and evaluation of issues related to LDR compliance, communications with team members and data and policy analysis. The intern will also be responsible for presenting to EPA staff a presentation focusing on their work project(s).

Objective(s): To obtain an understanding of RCRA's LDR program. To analyze information and data about current practices related to hazardous waste treatment. To collect information from treatment facilities on the sampling and testing protocols used to measure their treatment effectiveness including frequency of sampling and number of samples collected. To generate a historical compilation of LDR FR notices and create a methodology by which specific LDR issues can be extracted from this historical collection of FR notices.

Task(s)/assignment(s): Working with LDR Team, and other ORCR and regional experts to gather and analyze data, draft policy and technical written materials, participate in policy

discussions, and provide organizational assignments related to analysis and maintenance of data and records to support decision making.

Identify prerequisite qualifications: Strong analytical and writing skills are required. Experience/interest in environmental engineering or policy issues, procedures for effective sampling and analysis, data analysis, and IT (e.g. Excel, Word, Adobe Acrobat) is desired.

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: NA

3. Position/Name of Project: PCB Cleanup & Disposal Intern

Project Description

Background of Project Area:

EPA's polychlorinated biphenyl (PCB) cleanup and disposal program is responsible for implementing the national PCB regulations, which outline requirements for management and disposal of the chemical banned by Congress in the Toxic Substances Control Act. These regulations set requirements for the cleanup and disposal of PCBs, and EPA is responsible for overseeing these actions, often by issuing approvals (permits) to companies wishing to take a cleanup or disposal action. In EPA Headquarters, we work closely with our ten EPA Regional offices to ensure the program is being implemented consistently across the country. We lead efforts in developing national guidance, policy, and regulations. We also provide technical and regulatory expertise to both the Regions and the regulated community. In addition to national program management, we also issue some PCB approvals for innovative treatment technologies that will be used across the country.

Tasks to Be Completed by the Intern:

The intern will work with PCB staff in HQ on a variety of activities and projects to learn more about the national PCB cleanup and disposal program, gain a working knowledge of various topics and policies related to PCB cleanup, PCB permitting, treatment technologies, and other topics, and help advance the PCB cleanup and disposal program.

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.

- Assist with national program management by organizing meetings, compiling progress reports, and soliciting information from Regional offices.
- Compile Regional Approvals and assess national consistency
- Populate the PCB database to house guidance/policy/approval documents
- Create/Complete administrative records in an internal database for Headquarters-issued PCB approvals
- Assist HQ in planning a three-day PCB National Program Meeting. This would involve working with HQ and Regions to develop the agenda and coordinate logistics for the meeting.

What skills are needed for this project:

- 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

Is travel or training involved? No

4. **Position/Project Description:** Intern assisting the Resource Conservation and Sustainability Division's Built Environment Team with developing and implementing a voluntary program that will advance sustainable materials management in the built environment.

Name of point of contact/supervisor/phone number:

Nicole Villamizar (Supervisor) and Suzanne Boxman
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); 703-347-8169 (Suzie Boxman)
Email: Villamizar.Nicole@epa.gov, Boxman.Suzanne@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) is developing an exciting new voluntary program 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. To achieve this goal, the MMB hosted a Forum on Life Cycle Approaches to Sustainably Manage Materials in Building and Infrastructure Projects January 30 – February 1, 2018. The Forum brought together participants from government, non-profit organizations, academia, and industry to discuss opportunities and challenges to advance sustainable materials management in the built environment. Outcomes from the Forum are being used to identify areas in which EPA and other stakeholders can best advance sustainable materials management. In conjunction with developing an action plan based on the results of the Forum, the MMB is developing a web page and companion resources to better educate the public and stakeholders; and compiling a comprehensive assessment of the current state of sustainable materials management practices for the built environment in the U.S.

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. The intern will assist with developing web-based educational materials to help educate stakeholders on available research, tools, and policies that can aid government, non-profit organizations, academia, and industry representatives to advance sustainable materials management in the built environment. In addition to this web-based content, the intern will develop an internal SharePoint site to assist workgroup communication. The intern will also assist with conducting follow-up activities related to the Forum including

assisting with development of a finalized description of themes and outcomes from the Forum, participating in conversations with outside stakeholders, and participating in internal conversations on the programs next steps. These projects will aid EPA in the development of a voluntary program and support the ORCR program goals.

Objective(s): The objective is to assist EPA staff in ORCR and the Regions to help develop a voluntary program focused on sustainable materials management in the built environment and further ORCR program goals. 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:

- Research and creation of clear, succinct, and thorough communication products, including web-based materials
- Design and enhance a SharePoint site to facilitate internal information exchange
- 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, 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, government, and/or environmental issues

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

5. Position: Data Management 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. EPA's WasteWise is also housed within RCB.

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

Project(s):

- The main project involves examining past material flows methodologies and assist in development of a database of references. This project will involve environmental, economic and scientific article reviews and management of large datasets.
- Secondary assignments include verifying existing data outputs, recording procedures, and organizing digital data files.

Objective(s):

The intern will work 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 also gain experience in consolidating large

data sets from aggregation systems and recording a data management procedure. 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
- Review an existing dataset of literature and aggregate pertinent information for merit comparison
- Work with the measurement team within RCB to develop a consistent format for data management
- Organize and "clean" existing datasets
- Record procedures for reproducibility
- Prepare presentations for interpretability to RCB

Identify prerequisite qualifications:

- Good communication skills, experience working with teams or public
- Extensive knowledge of database systems including, but not limited to Microsoft Excel.
- Moderate knowledge of biostatistics, able to work comfortably with medium to large datasets
- Intermediate 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. Position: Sustainable Management of Food Intern (Analysis)

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

Chris Carusiello
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) 308-8757
Email: Carusiello.Chris@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 will assist the Resource Conservation and Sustainability Division's Sustainable Management of Food Team, Branch Chief, and Food Pre-Processing lead with examining literature related to food waste pre-processing, as well as research and

analysis of key areas of Sustainable Management of Food, such as those highlighted in the Food Recovery Hierarchy.

- The intern will assist the Sustainable Management of Food Team in their analysis of food waste pre-processing technologies to help make informed decisions about them (these may include food waste grinders, dehydrators, and liquefiers). This will be done via the examining of academic literature studies and other scientific sources of information.
- The intern may also assist the Sustainable Management of Food Team in various aspects of FRC communication and outreach efforts.

Objective(s):

The project's objective is to assist EPA in meeting the Sustainable Management of Food goal of reducing wasted food by 50% by 2030, as well as helping to bring about increased wasted food reduction by current FRC participants and endorsers. The intern will learn about the various pre-processing technologies used in the management of wasted food. Tools could include written outreach materials and results of research and analysis to aid in the program. 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 will be assigned tasks or tasks similar to those listed below:

- Research, analyze and write about key areas of the Sustainable Management of Food Action Plan
- Analyze scientific literature to assist the sustainable Management of Food team in developing national policy guidance on pre-processing technologies
- Explore gaps in food-related measurement and data

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 Microsoft Office and graphic design
- Strong research skills, including web researching skills
- Strong literature review/analysis skills
- Familiarity with certain life cycle indicators (i.e., water/electricity use, carbon footprint, etc.), and wastewater quality indicators (i.e., BOD, TSS, VS, etc.)

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. Position: Sustainable Management of Food Intern (Communications)

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

Claudia Fabiano
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) 308-0157
Email: fabiano.claudia@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 in order 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 will assist the Resource Conservation and Sustainability Division's Sustainable Management of Food Team, Branch Chief and Food Recovery Challenge (FRC) lead with various aspects of FRC communication and outreach efforts, as well as

research and analysis of key areas of Sustainable Management of Food, such as an enhanced national donation infrastructure.

- The intern will be assigned to the ORCR/RCSD/MMB Sustainable Management of Food Team as a member of a national EPA work group to both communicate outreach efforts to FRC participants and endorsers and to develop strategies to meet the U.S. goal of reducing wasted food by 50% by 2030.
- The intern may also assist the Sustainable Management of Food Team in various aspects of literature review of food waste pre-processing technologies.

Objective(s):

The project's objective is to assist EPA in meeting the Sustainable Management of Food goal of reducing food loss and waste by 50% by 2030, as well as enhancing the materials and technical support available to participants and endorsers in the Food Recovery Challenge. The intern will work to create tools and communications materials, including written outreach materials, summaries of research, presentations, talking points, and graphics. 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 will be assigned tasks or tasks similar to those listed below:

- Create clear, succinct and thorough communications products, such as communications to FRC participants and endorsers.
- Using the Corporate Compliance Screener Tool, work with staff to conduct civil compliance screens for potential national Food Recovery Challenge and WasteWise award winners. (<https://echo.epa.gov/facilities/compliance-screener>)
- Research, analyze and write about key areas of the Sustainable Management of Food Action Plan.
- Develop outreach materials to assist regional offices in recruiting new FRC participants and endorsers.
- Create collateral materials and EPA presentations about Sustainable Management of Food.
- Explore gaps in food-related measurement and data.

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.

8. **Position/Name of Project:** Fires from Lithium-ion Batteries in the Waste Stream Intern.

Project Description: Research an environmental and safety problem stemming from one of the most common items we all carry with us: lithium-ion batteries in our electronic devices. Specifically, (1) examine the trends around fires in the waste and recycling stream and (2) research best practices that can be used to reduce the possibility of fires during reuse, recycling and transporting the used batteries. The intern will write a report and give a presentation describing the scope of the problem and the extent to which lithium-ion batteries are contributing to it. The best practices identified will be discussed at a stakeholder meeting on the topic.

Points of Contact and Supervisor:

Karen Pollard

703-308-3948

Pollard.karen@epa.gov

Stephanie Adrian, 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 (RCSO). Sustainable Materials Management (or SMM for short) 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 is vital in understanding the extent of environmental and safety issues caused by li-ion batteries and where those impacts are occurring across the electronic product life cycle.

Project, Objective, and Task Assignments:

Project

There were approximately 5.5-6 billion lithium-ion batteries cells manufactured worldwide in 2017 and the numbers go up every year. When users are done with these batteries and the devices they power, they end up either in the waste or the recycling stream, but they aren't necessarily harmless. When they are mismanaged, these batteries can ignite or even explode. EPA is seeking an intern to research the extent that fires at solid waste management and recycling facilities are caused by lithium-ion batteries that should not be there. In addition, the intern will research best practices that can be used to reduce fires or explosions 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 learn about the hazards that lithium-ion batteries pose in the waste stream and about how wastes and recyclable materials are regulated by the federal government when they are hazardous and when they are not hazardous ("municipal"). The intern will participate on a cross-office team working to stem and manage potential hazards from this commonly disposed item.

The intern will research fires in the municipal solid waste and recycling streams and will prepare a report with the findings on the numbers of fires are occurring at these facilities that may stem from lithium-ion batteries being mismanaged and the extent of the damage they are causing. The intern will also research best practices that can be used to reduce fires 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 regarding fires from lithium-ion batteries.
- Complete further research to get a more complete understanding of the national scope of fires from lithium-ion batteries including internet research (news media, public reports, etc.), email inquiries, and phone calls to state and local authorities as well as to industry and association representatives.
- Research best practices that can be used to reduce fires during reuse and recycling and during transit of used batteries to battery recycling facilities.
- Attend an Interagency Meeting with the Department of Transportation, the Consumer Product Safety Commission, the Occupational Safety and Health Administration, the Customs and Border Patrol, and other agencies (if intern is available on meeting date – tbd).
- Write report detailing the findings of the research.
- Identify best management practices that are used to reduce fires or other issues that can occur during reuse, recycling and transporting used electronics and the used batteries.
- 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 communications and writing skills
- Internet research skills
- Strong critical thinking and ability to synthesize information
- Teamwork
- Background in environmental studies and/or sciences a plus, but not necessary

Travel or Training

No travel or training is required for this position.

9. 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), and the Group of Twenty (G20) 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, and G20. 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.

10. Position/Project Description: Intern assisting staff in providing tools for tribal governments to use when developing waste management programs.

Describe program (mission/objectives):

The Federal, State, and Tribal Programs Branch (FSTPB) of EPA's Office of Resource Conservation and Recovery (ORCR) provides guidance and support to federal agencies, states, and EPA regional offices on waste management programs implemented under authority of the Resource Conservation and Recovery Act (RCRA). FSTPB coordinates RCRA municipal and hazardous waste programs for Native American tribal governments, and the national program to meet internal goals for clean-up, closure, and upgrades of open dumps in Indian Country.

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

Project(s): The intern will be assigned to the ORCR Tribal Team as a member of a national EPA work group to evaluate approaches for tribal governments to develop integrated solid waste management plans appropriate to tribes with different populations, resources, and waste management challenges.

Objective(s): The project's objective is to assist EPA meet policy goals by providing tools for tribal governments to use when developing waste management programs. Tools could include written materials, peer support among tribes, training courses, and other methods to develop and sustain successful waste management strategies in Indian Country.

Task(s)/assignment(s): Assignments include researching waste management practices and needs in Indian Country, working with the ORCR Tribal Team and national work group members on requests from EPA regions and tribes for planning documents and training, and developing presentations on Tribal Team projects. The intern will also assist with development of the *Tribal Waste Journal*, EPA's publication for tribes on RCRA issues.

Identify prerequisite qualifications: Oral/written communication skills. Team participation and outreach skills. Experience/interest in Native American tribal culture, government, and environmental issues.

11. **Position/Project Description:** Intern assisting the Office of Resource Conservation and Recovery's (ORCR) Energy Recovery and Waste Management Branch with efforts to establish and clarify national minimum criteria for coal combustion residuals (CCR) disposal.

Name of point of contact/supervisor/phone number:

Mary Jackson, 703-308-8453

Location of assignment:

Office of Resource Conservation and Recovery

Potomac Yard

2777 S. Crystal Drive

Arlington, VA 22202

Describe program (mission/objectives):

Our mission is to protect human health and the environment by ensuring responsible national management of hazardous and nonhazardous waste.

Our goals are to:

- Conserve energy and resources by promoting waste reduction, reuse, and recycling;
- Prevent land contamination from mismanagement of solid and hazardous wastes;
- Clean up areas where waste may have spilled, leaked, or been improperly disposed.
- Promote safe waste management by working closely with individual states, industry, environmental groups, tribes, and the public.

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

Project(s): Assist the Office of Resource Conservation and Recovery's (ORCR) Energy Recovery and Waste Management Branch with efforts to establish and clarify national minimum criteria for coal combustion residuals (CCR) disposal. These efforts include rulemaking activities for proposed and final actions, developing guidance, review and approval of state program authorizations, and communications and outreach to provide information to stakeholders and the public.

Objective(s): To implement statutory mandates in accordance with legal deadlines to establish minimum national criteria for the disposal of CCR in a manner that is protective of human health and the environment.

Task(s)/assignment(s): Working with CCR Team, and other ORCR experts to develop draft written materials, and provide support for internal meetings as well as meetings with stakeholders.

Identify prerequisite qualifications: Strong verbal communication and writing skills are required. Experience/interest in environmental issues or public policy, Sharepoint, and project management are desirable but not required.

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: NA

12. **Position/Project Description:** Intern to support the RCRA Corrective Action Program.

Name of point of contact/supervisor/phone number:

Sara Rasmussen (703) 308-8399

Email: Rasmussen.Sara@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.