



**OFFICE OF TRANSPORTATION & AIR QUALITY
ENVIRONMENTAL PROTECTION AGENCY
ANN ARBOR, MI & WASHINGTON, DC**

WORKPLACE: The Office of Transportation & Air Quality (OTAQ) in the Environmental Protection Agency (EPA) is the hub for the development of national policy and emission standards for motor vehicles, engines, and fuels. The office provides leadership in the nation's environmental efforts to reduce emissions from passenger cars, trucks, motorcycles, construction and farming equipment, locomotives, aircraft, marine, lawn and garden equipment, and their fuels. We have a staff of highly creative and dedicated scientists and engineers working on significant programs of national and international scope with direct impact on the public and the environment. Our goal is to develop effective programs and policies that achieve meaningful reductions in air pollution so the public will benefit from breathing cleaner air.

PROGRAMS: One of the key areas of future work in OTAQ is related to a legislation that was recently passed, the Energy Policy Act of 2005. This legislation will dramatically change the nation's fuel programs. This effort involves identifying and developing clean fuel strategies that influence the direction of national policy for the protection of public health and the environment. These strategies improve air quality by promoting cleaner technologies, energy efficiency, and energy independence. OTAQ carries out its mission through regulation, policy, and technology development, guided by the assessment of environmental and economic impacts of options, policy development and analysis, and the demonstration of innovative technologies.

WORK OPPORTUNITIES: Opportunities exist for those with scientific and engineering backgrounds and strong policy, communication, and interpersonal skills who are interested in becoming a part of the dedicated team of professionals which will lead the way to improving our nation's air quality by supporting regulatory and technology programs. As a member of the team, you may have the opportunity to:

- X Develop vehicle, engine, and fuel quality standards/regulations
- X Assess and evaluate emission control technologies and alternative fuel technologies
- X Evaluate the effects of fuel changes on vehicle performance, vehicle emissions, air quality, and human health
- X Conduct environmental, economic, and benefit assessment of policy/regulatory options (including economic modeling and life-cycle analysis)
- X Evaluate fuel production, distribution, refinery technology and economic issues of conventional and alternative fuels, including renewable fuels (such as biodiesel and ethanol)
- X Assess the impacts of worldwide fuel markets and imports on EPA programs
- X Work with outside private and public sector stakeholders to evaluate, develop, and implement policies/regulations

NOTE: U.S. Citizenship is required for all positions.



**OFFICE OF TRANSPORTATION & AIR QUALITY
ENVIRONMENTAL PROTECTION AGENCY
ANN ARBOR, MI & WASHINGTON, DC**

POSITIONS AVAILABLE:

Technical Policy Engineer or Analyst : Seeking qualified individuals to help establish the Renewable Fuel Standard program and other requirements of the Energy Policy Act of 2005. Individuals might be involved in analyzing and interpreting information on renewable fuels, such as ethanol production, distribution, and gasoline blending system operation. Team members might conduct refinery modeling, vehicle testing to assess the emission impacts of renewable fuels, statistical analysis of data for use in transportation models, and lifecycle and economic analyses. Candidates with a BS, MS, or PhD in Engineering, Economics, or Technology Policy are desired.

Economist or Policy Analyst: Seeking qualified individuals to conduct economic analysis of policy options, including those related to the Energy Policy Act of 2005 and other strategies to reduce emissions from the transportation sector, including greenhouse gas emissions. Individuals will use various economic modeling tools to assess the costs, benefits, sensitivities, and externalities of such strategies. Responsibilities will also include analysis, interpretation, and reporting of the corresponding economic data to policymakers, external stakeholders, and the general public. Candidates with a BS, MS, or PhD in Economics or Technology Policy desired, with strong economic analytical skills.

Engineer or Chemist: Seeking qualified individuals to evaluate the potential role and impacts of alternative and non-petroleum alternative fuels, in particular renewable fuels such as ethanol and biodiesel. Individuals will investigate the technical feasibility of these fuels becoming major factors in the transportation fuel pool including fuel cost impacts, environmental benefits such as impacts on greenhouse gas emissions, and economic impacts for the US, such as farm income benefits. Candidates with a BS, MS, or PhD in Engineering or Chemistry desired.

NOTE: U.S. Citizenship is required for all of these positions.

INTERESTED CANDIDATES CAN ATTEND THE FOLLOWING EVENT

**FRIDAY, DECEMBER 9
10:30 am - 12:00 noon
E40-496**

Getting on the Road to Sustainable Transportation *Margo Tsirogotis Oge, Director, Office of Transportation and Air Quality* *U.S. Environmental Protection Agency*

Never before has there been such an extraordinary convergence of concerns over energy demand, economic security, and global climate change. This convergence presents unparalleled opportunities for fundamental change in the automotive and fuels technology sectors. Efficient, clean, and low carbon technologies exist today----the national challenge is to move these technologies to the market in numbers that matter. This seminar, delivered by a key federal official with lead responsibility for establishing environmental policies for the transportation sector, will explore current transportation trends, available and emerging vehicle and fuel technologies, and strategies for bringing them to market. Costs and benefits of various technology scenarios will be discussed. A discussion period will follow on viable national policy solutions that are at once good for business, that enhance our security, and will protect the planet.

Officials from EPA's National Vehicle and Fuels Emissions Laboratory in Ann Arbor, MI, will be available to meet with prospective candidates interested in current job opportunities with EPA.

Sponsored by the MIT Laboratory for Energy and the Environment

Karen L. Gibson
Program Assistant
MIT Laboratory For Energy and the Environment
77 Massachusetts Avenue, E40-469
(1 Amherst St., E40-469 - for DHL and FedEx)
Cambridge, MA 02139 USA
Tel: 1 (617) 258-6368; Fax: 1 (617) 258-6590
<http://fee.mit.edu>
<http://globalsustainability.org>