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American Academy of Environmental Engineers  
130 Holiday Court, Suite 100  
Annapolis, MD 21401  
Excellence In Environmental Engineering  
Awards Committee

**RE: Excellence in Environmental Engineering  
Acknowledgement of Services Provided**

This letter acknowledges recent, certain services provided by Dr. Carl E. Adams, Jr., and ENVIRON International Corporation (ENVIRON) for the Louisiana Refining Division (LRD) of Marathon Petroleum Company, LP (MPC). Dr. Adams and ENVIRON are submitting an application to the American Academy of Environmental Engineers (AAEE) for an Excellence in Environmental Engineering award based on these services. In a separate letter we have supported Dr. Adams' application.

Dr. Adams has successfully worked for many years as a consultant to the LRD in the field of industrial wastewater management to help us meet the requirements of our Louisiana Pollution Discharge Elimination System (LPDES) permit in a cost-effective manner. Over the years of our association, Dr. Adams on more than one occasion has contributed to LRD's record of no LPDES permit exceedances through our Wastewater Treatment Plant (WWTP) for over twenty years.

The LRD, the last grass roots refinery built in the U.S., first started up in 1976. Every unit at the refinery at the time of its construction was built to meet EPA's NSPSs. In 2009, MPC finished a major expansion of the LRD and we are now one of the largest and most complex refineries in the country. Because of the modernity of the refinery, we are perhaps the most regulated facility in the U.S. We have earned a proactive reputation with the regulatory community of being a facility with an exemplary safety record and a leader in environmental stewardship. In evidence:

- The LRD achieved Star status in OSHA's VPP in 1994 and continues to maintain that status.

1



- In 1995, the LRD was elected as a charter member of the Louisiana Department of Environmental Quality's (LDEQ) Environmental Leadership Program and continues to be a member of the program. As a member of that program we have been granted twenty-three Governor's Awards for projects in Pollution Prevention, Environmental Management and Community Outreach.
- In 2002, the LRD became the only petroleum refinery in the country granted membership in EPA's Performance Track program.
- As members of the American Chemistry Council (ACC), we are third-party certified to the ACC's Responsible Care Management System (RCMS).

Dr. Adams and ENVIRON being aware of the LRD's proud record of environmental stewardship recently suggested that we jointly undertake a project to investigate controlling certain benzene-containing VOC emissions from specific equipment in our WWTP by routing these emissions through two of our biological reactors. Dr. Adams hypothesized that superior destruction of benzene from the emission sources could be achieved in the biological reactors of the WWTP when compared to conventional technology like carbon canister adsorption / regeneration or thermal destruction. Key milestones of the project were:

1. Dr. Adams and his team built and tested new devices to create a more accurate representation of the environment inside the biological reactors to serve as a controlled system for the collection of data from the modified BOX test and the patent-pending External Core Column instead of the floating flux chamber.
2. Empirical modeling of the recorded data to demonstrate that the data conformed to scientific laws and engineering principles.
3. Helping define the financial benefits to support the replacement of carbon canisters with this new technology as the control system for these emissions.
4. Adhering to project timelines so that LRD could budget, engineer and purchase necessary equipment to achieve installation and operation in 2011.
5. Meeting with EPA's scientists and engineers at Research Triangle Park, NC, over the course of the project to achieve their agreement on the testing protocols, modeling, modeling results and finally recognition of enhanced biological treatment as an alternative control device for benzene-containing VOCs.



This research project developed an innovative, cost-effective, approach recognized by EPA and LDEQ as an alternative treatment method for control of VOC emissions regulated by EPA's BWON program. This treatment method achieved benzene destruction exceeding our initial estimates and was instrumental in the development of ENVIRON's VOC BioTreat™ process. We are pleased to have participated in the development of this state-of-the-art technological breakthrough, which helps demonstrate the LRD of MPC's commitment to "Living Our Values" and the RCMS commitment to "Continual Improvement."

Sincerely,



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