



Universidad NACIONAL de Colombia

SEDE MEDELLÍN
FACULTAD DE MINAS

Junio 23, 2010

Dr. Bill Nelson
U.S. Senator
Dr. Tony Hayward
BP Chief Executive

Honorable Senator Nelson and Dr. Hayward,

The present letter is to acknowledge my academic and innovative relationship with Juan Carlos Borrero. Mr. Borrero has an impressive capacity of combining simple ideas to solve complicated problems. His major expertise is in projects that deal with water and environment, with a major component of social development. I met Mr. Borrero several years ago during our involvement in a couple of research projects with the State of Antioquia through two public institutions: IDEA (Institute for the development of Antioquia) and BENEDAN (Institute that controls and manage the gaming in Antioquia, which profits finance health and education). The latest project deals with an innovative game system that can be manipulated by the player and controlled by BENEDAN. We expect that this system will improve the gaming and will avoid the illegal gaming industry, that do not pay royalties for health nor education. The project with the IDEA, is an amazing project that will try to reduce emissions from all taxis and busses in the metropolitan area of Medellín. Mr. Borrero has developed a system that increases the H₂ quantities in the aire-fuel mixture and improves the combustion while decreasing CO₂ emissions.

Lately, we started the negotiations with the most important economic group in Colombia that manage garbage in 35 cities within Colombia. We were able to developed a molecule that generates Oxygen from the leachates; with this we will be able to improve the biological conditions and will eliminate one of the biggest problems in the garbage industry. I can continue to mention more projects but I do not want to extend myself on this. He is a serious and compromised citizen of the world, his major interests are in the sustainability of the environment.

Our research projects and collaborations, allow us to use facilities within several universities in USA, that will enable us to perform simulations or calculations in case they are needed. In Florida, we collaborate with Professor Juan Carlos Ordoñez form the Mechanical Engineering Department at the Florida State University. I also hold an Honorary/Associate Fellow in the Department of Chemical and Biological Engineering at the University of Wisconsin-Madison. We can also use these facilities and computational resources.

Please do not hesitate to contact me in case you need additional information. My mobile is: +57 - 313 - 746-5812.

Regards,

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