

Mr. Richard R. McGill, Jr.
Illinois Pollution Control Board
James R. Thompson Center
100 W. Randolph
Suite 11-500
Chicago, IL 60601

RECEIVED
NOV 20 2013
STATE OF ILLINOIS
Pollution Control Board

Dear Richard McGill,

It has come to my attention that there are many environmental issues in the state of Illinois, that could be prevented. The refueling emissions of cars should be a top priority when considering the amount of pollution that our state contributes to the atmosphere.

In the process of refueling our cars, we emit .315 lb/1,000 gallons of harmful emissions into the environment. The dangerous gas, benzene, has been linked to causing cancer and aplastic anaemia, a reduction of bone marrow cells in the body. Each time a car refuels without an ORVR canister, it releases 940,000,000 gallons of dangerous vapor into the atmosphere. WE must pass this law on Stage Two Recovery and create safety measures to ensure the health and protection of our citizens. The device created by Ted Tiberi, called Arid Technology, stops these dangerous chemicals from being released into the environment and has been used internationally in projects to help the environment.

With 4,700,000,000 gallons of gas pumped per year and 1,880,000 gallons of liquid gasoline vaporizing in the air, Arid Technology can prevent this environmental tragedy. Saving this fuel through Arid Technology's canister will save this lost fuel and protect the environment and those living in it. The Stage Two recovery is helping recover 95% of dangerous emissions and must be either applied to all the gas stations or the installation of Arid Technology's product must be made a requirement.

Many private owners of these gas stations are not educated about this environmental hazard, or do not see the how cost effective the transition is. By making either Stage Two or Arid Technology a part of this recovery act, we can create a healthier environment and educate more people on the benefits and cost effectiveness of this green technology.

Sincerely,



Carrie Nicodemus

1534 Foxhill Road
Naperville, IL 60563

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NOV 20 2013

STATE OF ILLINOIS
Pollution Control Board

Mr. Richard R. McGill,

I am an AP Environmental Science student writing as a concerned citizen of Illinois. I am guessing that car emissions are a big topic at the Illinois Pollution Control Board since cars are one of the leading pollution sources. Seeing as how Illinois uses 4,718,577 gallons of fuel consumption annually, I strongly believe that this topic should be at the forefront of the Pollution Control Board member's minds. While filling up this gas, citizens are dumping invisible but harmful toxins into the air that is contributing to rising global pollution levels. What consumers do not see is the harmful hydrocarbons that result from the pumping of gas. The effects of these are far worse than simply greenhouse gases; they are harmful Carcinogens. If we implement ways to recover these vapors and turn them back into a gas, the results will be beneficial for multiple reasons. First, the gas stations will not need to fill up gas as often because of the recycling of the gas due to recovering the vapors. Two, emissions into the atmosphere will be reduced. Any little thing that we can do to reduce emissions will greatly benefit our lives. With cleaner air for us and generations to come, we can be confident in our fight to reduce harmful emissions that are killing the Earth.

Please consider implementing hydrocarbon-reducing programs for us and the future generations of Illinois.

Sincerely,


Marcella Cerra

1615 Lois Ann Ln.

Naperville, IL 60563

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NOV 20 1999

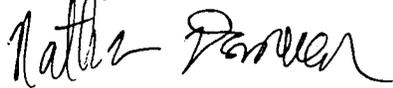
STATE OF ILLINOIS
Agriculture Center, Springfield

Dear Richard McGill,

I am writing to you because I drive a 1999 Toyota Sienna. If you are not aware this is a car that does not have an ORVR system. That means that if the gas stations in Illinois get rid of stage 2, I will be blasted by fumes from gas. This is a problem because benzene comes out of these fumes, benzene is a known carcinogen. This means that without a stage 2 pump, I will be at risk of contracting cancer every time I fill up my tank. I know that I am part of a minority because only 20% of the cars on the road do not have an ORVR system. However, that minority is made up of 2,576,000 people; this would be a lot of people put at risk of cancer because of this new law. I also understand that the use of stage two and an ORVR system reduces the effect of both systems, but there is a reasonable system. Arid, a chemical engineering company, has developed a permeater that fixes the problem of having both systems. This product created by Arid also reduces the total amount of emissions released. So I propose that you consider changing the law from taking away the stage 2 to adding a perimeter.

A possible complaint made against this move will be made by gas companies because they will try to tell you that introducing the permeater will cause gas prices to rise. IN reality, the permeaters will reduce gas prices because they help reduce the amount of gas that is lost due to evaporation. Overall I hope you consider these suggestions and see what your colleges and the board how to say about them.

Sincerely,



Nathan Donovan

974 Red Clover Drive

Aurora, IL 60504

Jeanelle Grosvenor

2585 Arcadia Circle

Naperville, IL

November 7, 2013

Dear Richard:

I am currently a junior at Metea Valley High School and I believe that you should consider implementing the Stage II Vapor Recovery. As existing in a society where we have the ability to fix environmental problems, we should take advantage of it. In our generation many teens get cars that were passed down from their parents, which are generally old cars. Since older cars don't have ORVRs, the stage II recovery pumps would be efficient. To eliminate unnecessary use and money unwell spent, you could compromise and construct designated gas pumps for older cars (maybe 2 pumps per station). I understand that both stage II and ORVRs are inefficient if they work together, but since the older cars don't have them, it would be the most efficient to have them use pumps with stage II. This addition would be beneficial because it would improve the environment's health as well as the health of the people. In addition all gas stations should have a permeator because it increases the efficiency of putting released gas back into the tank underground. If one system for some reason were to fail, this would be a good back up and could potentially save underground critters and restore clean water to contaminated streams. Thank you for your time.

Sincerely,

A handwritten signature in cursive script that reads "Jeanelle Grosvenor". The signature is written in dark ink and is positioned below the word "Sincerely,".

Jeanelle Grosvenor

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NOV 20 2013

Dear Pollution Board,

STATE OF ILLINOIS
Pollution Control Board

From what I understand, you are discussing the removal of Stage II containment from gas stations. As an AP environmental student, I am concerned of the effects on the environment and the health of people that drive older cars. I can see why you would like to remove Stage II containment systems because they are becoming more and more useless as more cars have ORVR systems. However, there are still huge numbers of cars that are 2002 or older on the road today, and those cars have no ORVR systems. So, if you choose to remove the Stage II vapor removal systems, all of these cars will have no defense against gasoline vapor pollution. This is a health concern to these people because there are many carcinogens in gasoline vapor, as well as an environmental concern. If you do the math, you will find that over the next 10 years an extra 25 million pounds of hydrocarbons, many of which are carcinogens, will be pumped into our air because of the removal of the Stage II containment systems. If I were in your position, I would heavily consider putting off the removal of the Stage II removal systems for at least another 5-10 years, because at that point there will be far fewer cars without ORVR systems on the road. However, there could be an even better option: Installing a permeator that was created by Arid Tech. This permeator is the smartest choice economically and environmentally. To begin, the permeator is essentially a filter that is installed underground that keeps all of the gasoline vapor contained, but it allows air to ventilate. This system removes at least 98% of gasoline vapor emissions. Also, by not letting the gasoline vapor escape, it prevents liquid gas from changing into more vapor. This equates to large savings for the owners of gas stations. Conservatively, this system can save \$2000 per month per gas station, while reducing pollution better than any other system in the world.

Sincerely, Alex Graden



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NOV 20 1988

Dear Richard McGill,

I have recently become aware of the problem concerning Stage II Vapor Recovery and the clash between ORVR Vapor Recovery what Illinois is thinking to stop the problem. Illinois is thinking to get rid of Stage II Vapor Recovery which is a bad decision. The annual fuel consumption of Illinois is 4,700,000,000 gallons. If you have stage II with ORVR the vapor emissions is .0357 lbs. /1000 gallon of gas. For Stage II and No ORVR .315 lbs. /1,000 gal. For No Stage II and ORVR 0.1428 lbs. /1,000 gal. For No Stage II and No ORVR it is 0.1428 lbs. /1,000 gal of vapor emissions. As you can clearly see it would be a bad decision to get rid of stage II. It would cause thousands and thousands of pounds of vapor emissions. An alternate solution is to get this new technology a semipermeable recapturing device which would counter act both the Stage II and the ORVR.

Sincerely,

Jellens Whittington

5 South 5 15 Gordon Terrace,

Naperville, Illinois 60563

STATE OF ILLINOIS
Pollution Control Board