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**From:** Shamiika Preston <snixon2993@gmail.com>  
**Sent:** Tuesday, February 18, 2025 8:01 AM  
**To:** CouncilMail  
**Cc:** CouncilDistrict4@howardcountymd.gov; CouncilDistrict5@howardcountymd.gov; CouncilDistrict2@howardcountymd.gov; CouncilDistrict1@howardcountymd.gov; CouncilDistrict3@howardcountymd.gov  
**Subject:** Submission in support of CB11-2025

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

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Hi. My name is Cameron Preston. I am 9 years old.

I support bill CB11-2025.

It's scary knowing that we can be overtaken by Grace. I don't want Grace to be able to pollute us. I love my house, my neighborhood and my friends. I like to run around outside, ride my bike and my scooter, and walk my dog. I don't think it's fair that Grace will be able to take that away.

Please vote for bill CB11-2025.

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**From:** Krithika K7 <krithikak7@gmail.com>  
**Sent:** Tuesday, February 18, 2025 12:00 AM  
**To:** councilmember@howardcountymd.gov; Walsh, Elizabeth; Jones, Opel; Rigby, Christiana; CouncilDistrict5@howardcountymd.gov; Yungmann, David; Jung, Debra; CouncilMail; councilboards@howardcountymd.gov  
**Subject:** Krithika Kesavan- Support for CB11-2025- STOP W.R GRACE Project  
**Attachments:** Krithika Kesavan\_Testify\_For\_CB11-2025\_STOP\_W.R.GRACE PLASTIC BURNING.docx

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

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Dear Respected Council members and Executives,

I am Krithika Kesavan living with my family in the Cedar Creek community, Columbia . I testify in support of CB11-2025, We are against W.R GRACE company and against this dangerous hazardous pilot project . Please take necessary action to prohibit this company from carrying out the plastic recycle project.

Here my daughters Yashica Sreevastan - 1st grade , Yukta Sreevatsan 3yo would also like to testify against W.R GRACE Plastic burning process next to our home.

Please see attached our story and our detailed testimony.  
Kindly take necessary actions.

Thanks & Regards,  
Krithika Kesavan

To whom so ever it may concern,

To Howard County Council members,

To Howard Executive member,

From,

Krithika Kesavan;

Wife of Sreevatsan Narayanan,

7502 Overview Terrace,

Cedar Creek Resident

Columbia, Maryland 201488

My name is Krithika Kesavan; I am an analyst by profession, a wife, mom of two little girls. Today I am here to speak for my family, especially for our two daughters one is 7 yo and the little one is 3 yo. I am also here for our aging parents, specially my mom who recently underwent an emergency open heart surgery at the John Hopkins hospital. She was here for the last hearing but couldn't make it today. We are immigrants from India, who studied well and came here, did our masters and to live our American dream. We worked hard to land on decent jobs that we are doing today. We are still working hard and as you all know it was not an easy path and it still is not a cake walk for an immigrant professionals like us to survive in this land. it was a very long time dream for me and my husband to a own home, we wanted to build our own shelter a nest with our money and to raise our kids in a place with clean surroundings and best education. We travelled a lot, have lived and worked in many places all across the east coast in the US from NY, Boston, a few years in Virginia and we always thought buying a home was on my a dream. All that we do is work day n night work, odd hours and follow all the rules, segregated the recyclable trash, non recyclable trash , compost, paid taxes., and for what?!! To build our own house, settle down in a place and start a family and raise our kids in a peaceful environment. After about 15 years of hard work and saving money, we were ready to buy a home. We found this beautiful place columbia which we thought was the perfect place to settle down with our kids. Me and my husband moved in here in aug 2021 with our first daughter , we had our second daughter here in the howard county hospital, we were happy that our kids our going to be raised in a neighborhood with a diverse population, best schools, and a neighborhood with bountiful nature. Little did we know about this Company next to us at that time? We know that grace has its head quarters nearby but when we called MDE to verify about the water quality in the area , it was mentioned they only had office for operations, at least that's what we were told when when we enquired about WR grace company. Later after buying the house, we learnt that WR grace sold their land to the builders, NV homes built our homes and they left. Now W R grace after selling their property, turning their site into a residential area, grace has come up with a project to build a plastic recycling facility that would emit poisonous gases into air, dump solid and other undesirables waste to the ground that could corrupt our water lines. They may also dump solid and liquid wastes underground which they have already done in many other parts of the country. There is no such thing called chemical recycling. No chemicals can be recycled. There will always be residues and left over from that process in the form of VOC, volatile organic compounds, gases, liquids with chemical wastes. This company has already destroyed the peace of all 300 +families living here, ruining all our lives making us fight this battle, run to the hearings and protest standing outside their facility with our kids, this company WR Grace has already put our health, our children's health and our peace of mind at stake now. How is this fair? Would any human with good conscience do this after knowing you have a plan to setup plastic burning plant in this vicinity? W. R GRACE does not care about the Wellbeing of the people living nearby, they do not consider Environment

safety, But all that W.R GRACE always cared was publicizing their project and showcase numbers that is not true, which is definitely not going to yield any long term profit to this nation but only ruin people lives.

I want to ask below simple a layman question to the Grace Executives,

• Why would you sell your land to residential builders when you already know that you have such a dangerous project in your pilot project roadmap/pipeline? I see today there are a lot of grace employees present here, I ask you all 2 simple questions-

1. how many of you here are willing to move in with your families, kids parents to our cedar creek community knowing there is going be 16 hours of plastic recycling process running next to your home?
2. How many of you are willing to buy our homes for the real market price and settle our mortgage loans?

I see every night including the weekends there is lot of smoke and fumes continuously being emitted out of two tall white cylinders installed in W.R grace site. We don't know if these are being executed with your permit or without permit. Who is here for us to question this multimillion dollar company who has a history and a proven record of environment violations, polluting water and air in all possible ways. But all that I know is my daughter question's me seeing those fumes and smoke standing in our patio, mommy what is that dark thing coming out of those cylinders, will there be fire coming out of it someday? Will it spread to the trees and could our houses catch that fire? Would you able to go to sleep peacefully after hearing these questions from a 6 year old kid on a regular basis? Would you take a stroll with your toddler, with your partner peacefully without a mask on after knowing there is a dangerous research plant next to your home?

Sharing some facts and references about the process for which W.R Grace company is requesting for permit for and also want to highlight the past accidents caused by W.R GRACE Projects and bringing them to the attention of the board members and approving authorities

In Massachusetts, after allowing W.R GRACE company to do whatever they did, from this company's plant, Effluent wastes were disposed of in several unlined lagoons; solid and hazardous wastes were placed into an on-site industrial landfill and several other disposal areas. In addition, byproducts of some chemical processes were also disposed of in an area called the Blowdown Pit. Grace stopped all discharges to the unlined pits in 1980.

In 1973, residents in South Acton filed complaints about periodic odors and irritants in the air around the W. R. Grace plant. Sampling of two public supply wells by the Town of Acton in 1978 indicated these two municipal wells contained detectable concentrations of 1,1-dichloroethene or vinylidene chloride (1,1 DCE or VDC). As a result, the Town of Acton temporarily closed the two wells. As part of an agreement and settlement between W.R. Grace and the town, the Acton Water District installed and continues to operate and maintain air stripper units in order to remove any VOCs that may be present in groundwater pumped from public drinking water supply wells for the town of Acton.

The site was placed on the National Priorities List in September 1983.

<https://semspub.epa.gov/work/01/100032095.pdf>

Now I emphasize strongly to the zoning authorities and environment regulation authorities not to repeat the same mistake of granting permission to this dangerous process of burning plastic near residential area. Please stop Grace from proceeding further on this and to keep this company under surveillance to strictly abide the Environment safety rules and regulations

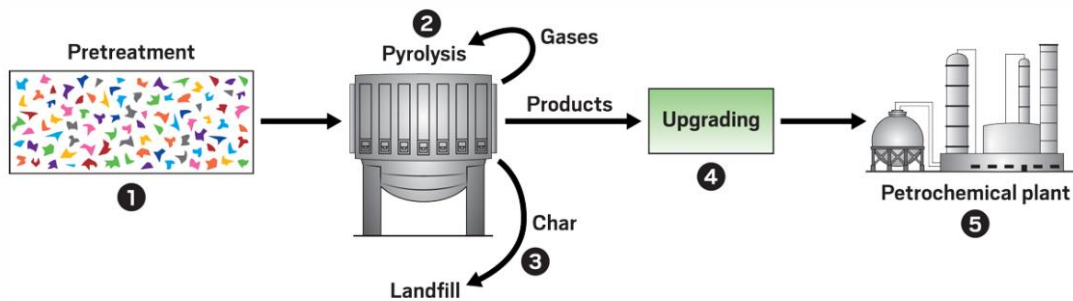
**Pyrolosis:**

The facility will convert mixed plastic waste into hydrocarbon liquids that will load into its ethylene cracker at the site for conversion back into new plastics

The major challenge of pyrolysis is the variability of the feedstock. The different polymers that are fed into a pyrolysis reactor break along different patterns. Not all types of Plastics that will be fed to their pre treatment and then their recycling plant will breakdown completely. there is no assurance that all the plastic materials (it could be candy wrappers milk jug, soda bottles, water bottles) that are fed will breakdown completely and how are the molecules that didn't breakdown from the plant will be cleaned up from their site. Does W.R Grace have plan on cleaning up such solid waste or simply dump into our land sites as highlighted below in #3

## PYROLYSIS

**This industry-backed path to plastics circularity chemically breaks down plastics into their component parts so they can be made into new plastics.**



### 1. Pretreatment

The feedstock for pyrolysis plants is ideally made up of polyolefins such as polyethylene and polypropylene. Errant materials like oxygen-containing polyethylene terephthalate and chlorine-laden polyvinyl chloride are removed.

### 2. Pyrolysis

The plastics are heated to about 500 °C in the absence of oxygen. The longer molecules break into liquid fractions like naphtha and diesel, solid cuts like waxes, and lower-molecular-weight gases. In most plants, roughly 10% of the product is char, a by-product.

### 3. Landfill disposal

The char is hauled to the landfill or can be added to asphalt or concrete. Most plants burn the gases for heat.

### 4. Upgrading

For the output to be suitable for making new plastics, adsorbents and hydroprocessing may be needed to remove chlorine, nitrogen, and other pollutants. A hydrocracker, or similar unit, is sometimes needed to further break down large molecules.

### 5. Using waste

The naphtha is processed in an ethylene cracker to create ethylene and propylene, building blocks for more polyethylene and polypropylene.

### Hazards and challenges:

The other **challenge is** feeding the wrong plastics into pyrolysis reactors creates inefficiency and can contaminate the output. PET contains oxygen and tends to form carbon dioxide, Polyvinyl chloride (PVC) yields chlorinated compounds. Additionally, some plastics have a lot of inorganic additives, such as carbon black, carbonate, and clay. They lead to the formation of char, which pyrolysis operators must dispose of as solid waste.

## ENVIRONMENTALISTS CRY FOUL

Environmentalists loathe pyrolysis. And a growing number of jurisdictions, such as California, [don't consider it recycling at all](#). One critic is [Jan Dell, a chemical engineer](#) who founded and heads the Last Beach Cleanup, an environmental organization. She has

helped larger environmental groups, such as the Natural Resources Defense Council and Greenpeace, prepare reports on the practice. For presentations, Dell has compiled 16 pages of objections.

One of the primary complaints is that pyrolysis facilities can't actually accept the mixed plastic waste they claim they can. The residual PVC, PET, and other materials in the stream gum up the process too much.

"There's too many types," Dell says. "There are too many additives. You can't recycle them all together, and separating them out defies the second law of thermodynamics. It is just impossible to reorder—like Humpty Dumpty—all these plastics once they've been put into a curbside bin."

Dell contends that Renewlogy, a Utah-based company that was developing a pyrolysis plant, folded for precisely this reason. Her bullet points even contain a photo from a Nexus Circular facility in Atlanta showing bales of relatively clean plastic film of the type used at warehouses—evidence, she says, that the company isn't accepting much postconsumer mixed plastic waste.

**It is just impossible to reorder—like Humpty Dumpty—all these plastics once they've been put into a curbside bin.**

*Jan Dell, founder, the Last Beach Cleanup*

A second charge is that pyrolysis is really incineration, even though pyrolysis reactors operate in the absence of oxygen. "If you look at just the pyrolysis vessel itself, although, there's no burning. "But here's the deal: How do you heat that pyrolysis vessel to the 900 to 1,500 °F you need? You heat it by incinerating the gas that comes off of it."

**Dell points to the pyrolysis company Brightmark, which disclosed to the EPA that 70% of the output from a plant it is building in Ashley, Indiana, will be gases that it plans to use for energy or flare. Brightmark now says those figures were submitted in error. Such gases represent only about 18% of the output, the firm says, and it is submitting the updated figure to the EPA.**

Another critique has to do with scale. Dell says that roughly 120,000 t per year of pyrolysis and other chemical recycling capacity is currently onstream in the US. This represents a minuscule fraction of the overall plastics production of about 56 million t in North America in 2021, according to the American Chemistry Council. Just one new polyethylene plant has about 500,000 t of annual capacity.

pyrolysis is a greenwashing scheme meant to fool the public into thinking plastics are recycled more than they actually are. She points out that the industry, under similar pressure in the early 1990s, built up a lot of recycling capacity, only to shutter it when the projects proved unworkable and public attention faded. The industry is now repeating this pattern

Reference article:

<https://cen.acs.org/environment/recycling/Amid-controversy-industry-goes-plastics-pyrolysis/100/i36>

How is Grace collecting the byproducts sodium aluminates and silica residues which are not just from the proposed plastic recycling process but in general from any other chemical executions currently happening within this facility?

This company is saying that they are pioneering new efforts to recycle plastic, any new effort, be it a small or a large scale project, most of pilot projects has 99 percent chances of many things going wrong, especially scientific projects like this always follow a trial and error method. And we poor residents living next door do not want to be the victims for their errors and failures .

Dear council members and executives, all that we as a community and as individual are asking is please let us live peacefully, give us good air and clean water. After all for being loyal citizen to this country and paying proper taxes to this county, we request the concerned officials to take necessary action to immediately stop grace from proceeding any further with this plastic recycling project and not to put our basic needs like clean air and water under jeopardy. We support CB11-2025 to prohibit W.R Grace from setting this Plastic Recycling research project next to my home.

Thank you for reading my testimony, and really hope the Howard county Council members and authorities take necessary action on this please.  
Concerned mom and a tax payer!

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**From:** Lily Weiss-Lora <lweisslora@gmail.com>  
**Sent:** Tuesday, February 18, 2025 11:24 PM  
**To:** CouncilMail  
**Subject:** In support of ZRA CB11-2025  
**Attachments:** ZRA-CB11-2025- In support -Lily Weiss-lora.pdf

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

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Please find my testimonial attached.

Thank you

Lily Weiss-Lora



My name is Lily Weiss-Lora and I am here to testify in support of ZRA CB11-2025, I am a resident of Howard County living over 25 years in the Village of River Hill in Columbia, I strongly request for the Howard County Planning Board to pass this ZRA and reject W.R. Grace efforts to build a chemical recycling pilot project in our community.

The National Resources Defense Council (NRDC) states that chemical recycling is a “dangerous solution” that just generates more waste and worsens the environment by releasing hazardous pollutants into our communities and the environment. Chemical recycling doesn’t qualify as recycling by the international standards, but it is touted by the Major petrochemical industry as a solution to the plastic waste crisis.

- 1- Chemical recycling of plastic to fuel, which is what W.R. Grace is proposing to build in our community has a very high energy demand, it requires high operating temperatures and relies on external fuel sources to maintain the process heat, making the plastic to fuel process a very high emitter of CO2 emissions that will endanger public health, safety and welfare by releasing hazardous pollutants into the atmosphere, and the trail doesn’t stop there, further pollution and health risks come from burning the dirty fuel created by the petrochemical output as fuel. In other words, we are incinerating carcinogens and neurotoxicants in our community.
- 2- Chemical recycling of plastic to fuel is a process that is harmful, highly unsafe, misleading and does not solve plastic pollution.
- 3- In addition, Chemical recycling of plastic to fuel, or **pyrolysis** facilities are classified by the EPA as **waste incinerators**, and they’ are required to meet the Clean Air Act guidelines but are excluded from The Toxics Release Inventory (TRI) reporting requirements. This makes it difficult to assess the full health risks of plastic pyrolysis plants that posed to surrounding communities.
- 4- Despite these challenges lawmakers are embracing this technology thanks to the massive lobbying from the American Chemical Council and the greed of corporations trying to mislead the public as a sustainability action when it is just a greenwashing term for burning plastic that releases tons of air pollutants into the environment.

Please support this Bill for the future of a greener Columbia and in order to stop any other company to build a chemical recycling facility similar to this one in the future.

Thank you for all your support on this matter.

Lily Weiss-Lora

Resident of River Hill community, Columbia MD

02/18/2025

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Thank you for all your support on this matter.

Lily Weiss-Lora

Resident of River Hill community, Columbia MD

02/18/2025

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**From:** Lisa Krausz <lisalkrausz@gmail.com>  
**Sent:** Tuesday, February 18, 2025 12:11 PM  
**To:** councilmail@howardcounty.gov; CouncilDistrict1@howardcountymd.gov; CouncilDistrict2@howardcountymd.gov; CouncilDistrict3@howardcountymd.gov; Rigby, Christiana; Jung, Debra; CouncilDistrict4@howardcountymd.gov; Yungmann, David; CouncilDistrict5@howardcountymd.gov  
**Cc:** cc: anwer hasan; jakeburdett11@gmail.com; Shamioka Preston; saracnoonan@gmail.com  
**Subject:** Re: Testimony In Support of CB11-2205  
**Attachments:** CB-11 2025 ZRA Testimony 2-18-25.docx; Stop Grace Petition Signatures 2-18-25.xlsx

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Greetings,

I am attaching an UPDATED version of the Stop W.R. Grace Online Petition signatures (see original email below), which now also has the ***language of the petition*** pasted at the top of the Excel document. It also has page numbers and a heading now. You can also find the language of the online petition itself on the Stop Grace Project website: <https://stopgraceplasticpermit.my.canva.site/> I am also reattaching my testimony as well.

There are a total of 716 signatures on this petition. Of those 716, there are 24 that were collected in early August 2024 and do not have the names (of the people who signed) written in the record because of how the Petition, which is a Google Form, was then collecting information. The Stop Grace Project realized this in mid-August and adjusted the Google Form to ensure that first and last names were being captured. We can, if need be, contact those households and figure out their names; we also have phone numbers for many of these households. We do have emails for each of the signers, which we are not sharing, as well as phone numbers for many of them.

***Please note that the number of signatures grows everyday.***

Please let me know if you have any questions.

I will bring copies of my testimony as well as the petition tonight.

Thank you,  
Lisa Krausz  
Volunteer, The Stop Grace Project

On Mon, Feb 17, 2025 at 3:32 PM Lisa Krausz <lisalkrausz@gmail.com> wrote:

Dear Councilmembers,

Please find my testimony in support of CB11-2025 pasted and attached below.

I am also attaching the 717 signatures from The Stop Grace Project online petition in an Excel file. This petition can be found online on our website at [stopgraceplasticpermit.my.canva.site](http://stopgraceplasticpermit.my.canva.site)

These signatures have also been submitted by Shamioka Preston, however, these names represent the most accumulations of signatures as it was captured today. Shameika's data was captured a few days ago.

The list of petition signatures is growing day by day.

We encourage you to take bold action on this issue. Howard County residents have YOUR back!!

Thank you,

Lisa Krausz

Stop Grace Volunteer

## **Testimony of Lisa Krausz**

### **In Support of ZRA CB11-2025**

My name is Lisa Krausz. I am a resident of River Hill Village, and I also suffer from a reactive pulmonary condition which limits my mobility and health. I have served as PTSA President for my kids' high school, and also served at the county level promoting parent ed programs, and I have a parent education practice. I care deeply about the welling being and health of children and adults in our River Hill Village community and in Howard County.

Like many of us speaking out tonight, I am gravely concerned about W.R. Graces proposed plans. I think this plan is insane and doesn't belong located next to and in the middle of residential communities.

I can tell you that I and a lot of people opposed to this plan to do not believe that this project is safe or that the health impacts are negligible. We are NOT reassured by W.R. Grace's reassurances. You have heard already that this project, if the permit is approved by the Maryland Dept. of the Environment, **will run for 16 hours a day, every day of the week, every day of the year.**

We know that even small amounts of chemical exposures can have deleterious impacts on children's health. Do you know how many children live in Cedar Creek, in River Hill, in Columbia, in Howard County? In Cedar Creek alone it's over 150 kids alone. Couples move to Columbia and Howard County to raise their families. River Hill, where I live, is packed with families and children.

Pulmonologists, pediatricians, oncologists, and environmental toxicologists, among others, know that this facility will negatively impact the health and safety of the residents living around and near it. And this doesn't even mention the risks posed by fires and leaks, very real possibilities, as the equipment used in these processes is prone to fires and the byproducts produced can be quite toxic themselves.

How are we going to let a polluting facility comfortably plant itself in our midst?

We need Howard County Council members to stand up and take bold action to stop this proposed polluting facility. I want to let you know that Howard County residents have your back on this issue.

I volunteer for the Stop Grace Plastic Project, and currently, ***we have over 717 signatures opposing this project.*** These signatures represent households in Cedar Creek, River Hill, King's Contrivance, and Hickory Ridge and beyond the borders of Columbia Villages to include residents all over Howard County. Over 50% of these signatures represent households of 4 or more people, and within that number 15% represent households of 5 or more and it goes up from there. This petition has been submitted by the Shameika Preston to the County Council on behalf of the groups working to halt this polluting project. I have also sent an Excel attachment of the names and addresses (along with household info) of this petition with my written testimony to the Council.

Be bold. Do the right thing and support the health and well-being of Howard County residents over the convenience of W.R. Grace employees by passing CB-11-2025.

## **Testimony of Lisa Krausz**

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I can tell you that I and a lot of people opposed to this plan to do not believe that this project is safe or that the health impacts are negligible. We are NOT reassured by W.R. Grace's reassurances. You have heard already that this project, if the permit is approved by the Maryland Dept. of the Environment, **will run for 16 hours a day, every day of the week, every day of the year.**

We know that even small amounts of chemical exposures can have deleterious impacts on children's health. Do you know how many children live in Cedar Creek, in River Hill, in Columbia, in Howard County? In Cedar Creek alone it's over 150 kids alone. Couples move to Columbia and Howard County to raise their families. River Hill, where I live, is packed with families and children.

Pulmonologists, pediatricians, oncologists, and environmental toxicologists, among others, know that this facility will negatively impact the health and safety of the residents living around and near it. And this doesn't even mention the risks posed by fires and leaks, very real possibilities, as the equipment used in these processes is prone to fires and the byproducts produced can be quite toxic themselves.

How are we going to let a polluting facility comfortably plant itself in our midst?

We need Howard County Council members to stand up and take bold action to stop this proposed polluting facility. I want to let you know that Howard County residents have your back on this issue.

I volunteer for the Stop Grace Plastic Project, and currently, **we have over 717 signatures opposing this project.** These signatures represent households in Cedar Creek, River Hill, King's Contrivance, and Hickory Ridge and beyond the borders of Columbia Villages to include residents all over Howard County. Over 50% of these signatures represent households of 4 or more people, and within that number 15% represent households of 5 or more and it goes up from there. This petition has been submitted by the Shameika Preston to the County Council on behalf of the groups working to halt this polluting project. I have also sent an Excel attachment of the names and addresses (along with household info) of this petition with my written testimony to the Council.

Be bold. Do the right thing and support the health and well-being of Howard County residents over the convenience of W.R. Grace employees by passing CB-11-2025.

**opposing this project.** These signatures represent households in Cedar Creek, River Hill, King's Contrivance, and Hickory Ridge and beyond the borders of Columbia Villages to include residents all over Howard County. Over 50% of these signatures represent households of 4 or more people, and within that number 15% represent households of 5 or more and it goes up from there. This petition has been submitted by the Shameika Preston to the County Council on behalf of the groups working to halt this polluting project. I have also sent an Excel attachment of the names and addresses (along with household info) of this petition with my written testimony to the Council.

Be bold. Do the right thing and support the health and well-being of Howard County residents over the convenience of W.R. Grace employees by passing CB-11-2025.



**Stop the W.R. Grace Plastics Project Petition**  
**The Stop Grace Project**  
[stopgraceplasticpermit.mv.canva.site](http://stopgraceplasticpermit.mv.canva.site)

Timestamp	Column1	I represent the opinions of:	Home Address	I do not support the Grace Chemical Company's attempt to cr Column2	I live in the following ne If other above, where d First Name	Last Name	I support the petition at Column 11	If you are representing Column 7
<p><b>Stop the W.R. Grace Plastics Burning Project in Howard County, Maryland Petition</b>  Please sign our petition:</p> <p>I oppose the construction and operation of a pilot plant by W.R. Grace Chemical Company for the purposes of recycling plastics at their Grace Drive facility in Columbia, Maryland. I call on our local and state officials as well as our county and state agencies to take the appropriate steps to block this project as it endangers the health, safety, and well-being of our community residents.</p> <ul style="list-style-type: none"> <li>The proposed plant will consist of a pyrolysis reactor, an incinerator (aka, a flameless electrical oxidizer), plus supporting structures and equipment. All of this equipment will be located approximately 70 yards away from family homes in a residential neighborhood.</li> <li>The risks to our communities are very significant in terms of toxic air emissions and the catastrophic effect of potential fires and explosions from the reactor and incinerator. According to Grace's permit application to the Maryland Department of the Environment (MDE, Docket number 16-23), the plant will operate for 16 hours a day, 5 days a week, all year round, potentially for several years.</li> <li>Several chemicals will be emitted as volatile organic compounds, the cumulative health effects of these emissions to developing children and to everyone in the community could be severe and are a real concern.</li> <li>In addition, incidents of fires and explosions resulting in injury, death, contamination, and damage to neighboring communities with this type of installation are well-documented in the chemical industry literature. This aspect is particularly concerning to our communities located next to the Grace Chemical facilities.</li> <li>Our group has reviewed W.R. Grace's permit application to MDE and expressed our concerns at a public hearing on April 29th, 2024 and in follow-up letter to MDE officials.</li> <li>We also have contacted the Howard County Department of Planning and Zoning and questioned their decision to approve the proposed expansion without a review on the basis that the pilot plant will be part of an existing previously approved laboratory. We believe there are significant differences between a research laboratory and a pilot plant of this nature. We believe that a thorough review was required.</li> </ul> <p>Based on these concerns, we respectfully petition our local and state officials as well as our county and state agencies to block W.R. Grace from constructing and operating the proposed pilot plant.</p> <p>By signing this petition, we will keep you informed of important updates and action steps you can take to stop Grace's proposed plan. You can unsubscribe at any point by responding to an email with the word UNSCUBSCRIBE in that return email.</p>								
8/15/2024 18:43:00	Bruce Cohen		12233 Summer Sky Path, Clarksville MD 21044					
8/15/2024 18:43:59	Lisa Krausz		6109 Trackless Sea Court	415-717-7065				
8/15/2024 20:17:01	Jan Miller		14460 Triadelphia Mill Rd					
8/15/2024 23:20:11	Linda Olson		8513 Ellicott View Road Ellicott City MD 21043					
8/16/2024 12:39:52	My Family Household (i.e., Multiply Family Member 11861 Bright Passage			I affirm and support the statement above.		Hickory Ridge		
8/16/2024 14:22:45	My Family Household (i.e., Multiply Family Member 6449 Mellow Wine Way 21044			I affirm and support the statement above.		River Hill		
8/16/2024 14:47:35	My Family Household (i.e., Multiply Family Member 6312 Mellow Twilight Court			I affirm and support the statement above.		River Hill		
8/16/2024 15:40:02	My Family Household (i.e., Multiply Family Member 6608 Forest Shade Trail, Clarksville, MD 21029			I affirm and support the statement above.		River Hill		
8/16/2024 16:05:49	My Self (i.e., Single Person Household or Just You 7013 Long View Road			I affirm and support the statement above.		River's Edge		
8/16/2024 16:58:44	My Self (i.e., Single Person Household or Just You 6981 Silent Dell Lane			I affirm and support the statement above.		River's Edge		
8/16/2024 20:53:35	My Family Household (i.e., Multiply Family Member 6308 victorious song lane Clarksville			I affirm and support the statement above.		River Hill		
8/17/2024 12:12:43	My Family Household (i.e., Multiply Family Member 6445 Quiet Night Ride			I affirm and support the statement above.		River Hill		
8/17/2024 21:17:29	My Family Household (i.e., Multiply Family Member 7124 Morning Light Trail			I affirm and support the statement above.		River Hill		
8/18/2024 12:17:48	My Family Household (i.e., Multiply Family Member 6500 Waving Tree Court Columbia MD 21044			I affirm and support the statement above.		River Hill		
8/18/2024 13:34:32	My Self (i.e., Single Person Household or Just You 6136 Waiting Spring Columbia, MD 21045			I affirm and support the statement above.		Long Reach		
8/18/2024 14:20:56	My Self (i.e., Single Person Household or Just You 7341 Wildwood Court, Columbia,MD 21046					Kings Contrivance		
8/18/2024 16:06:27	My Family Household (i.e., Multiply Family Member 7110 Newberry Drive, Columbia MD 21044			I affirm and support the statement above.		River's Edge		
8/18/2024 16:46:41	My Family Household (i.e., Multiply Family Member 11824 Chapel Woods CtClarksville, MD 21029			I affirm and support the statement above.		Other	Clarksville	
8/18/2024 21:36:09	My Family Household (i.e., Multiply Family Member 7956 Lawndale Circle Columbia, MD 21044			I affirm and support the statement above.		Cedar Creek		
8/19/2024 7:20:49	My Family Household (i.e., Multiply Family Member 7779 Cross creek dr Columbia Md 21044			I affirm and support the statement above.		Cedar Creek		
8/19/2024 19:15:02	My Family Household (i.e., Multiply Family Member 7248 Mainstream Way Columbia			I affirm and support the statement above.		Cedar Creek		
8/19/2024 22:07:20	My Family Household (i.e., Multiply Family Member 7949 Lawndale Circle			I affirm and support the statement above.		Cedar Creek		
8/20/2024 0:44:00	My Family Household (i.e., Multiply Family Member 6937 Crossfield Ct			I affirm and support the statement above.		Other	Clarksville Hunt off of Sanner Rd	
8/20/2024 7:19:37	My Family Household (i.e., Multiply Family Member 5333 Broadwater In Clarksville md			I affirm and support the statement above.		Other	1.5 miles from river hill	
8/20/2024 12:18:32	My Family Household (i.e., Multiply Family Member 5804 Silent Sun Places			I affirm and support the statement above.		River Hill		
8/20/2024 12:49:29	My Family Household (i.e., Multiply Family Member 6964 Silent Dell Lane			I affirm and support the statement above.		River's Edge		
8/20/2024 15:33:39	My Family Household (i.e., Multiply Family Member 7941 Lawndale Circle			I affirm and support the statement above.		Cedar Creek		
8/20/2024 15:56:16	My Family Household (i.e., Multiply Family Member 7941 Lawndale Circle			I affirm and support the statement above.		Cedar Creek		
8/21/2024 23:23:01	My Family Household (i.e., Multiply Family Member 7244 mainstream way Columbia 21044 Md			I affirm and support the statement above.		Cedar Creek		
8/22/2024 16:04:30	My Family Household (i.e., Multiply Family Member 6553 River Run					River Hill	Kathy	Stevens
8/22/2024 17:00:26	My Family Household (i.e., Multiply Family Member 7911 Tilghman St					River Hill	Terry	SULLIVAN
8/22/2024 20:41:12	My Family Household (i.e., Multiply Family Member 7651 cross creek drive Columbia MD 21044					Cedar Creek	Anwer	Hasan
8/22/2024 21:09:38	My Family Household (i.e., Multiply Family Member 6804 Pyramid Way. Columbia					Hickory Ridge	Debbie	Yare
8/22/2024 22:01:55	My Family Household (i.e., Multiply Family Member 7949 Lawndale Cir					Cedar Creek	Zain	Qazi
8/23/2024 2:03:48	My Family Household (i.e., Multiply Family Member 12014 Triadelphia Road					Ellicott City	Ellicott - close to River	Toby
8/23/2024 6:42:40	My Family Household (i.e., Multiply Family Member 3820 Championship Drive, Glenwood, MD 21738					Cattail Creek Country C	Cattail Creek Country C	Hillary
8/23/2024 7:29:34	My Family Household (i.e., Multiply Family Member 10947 Eight Bells lane Columbia md 21044					Harper's Choice	Tiffany	Ake
8/23/2024 7:32:51	My Family Household (i.e., Multiply Family Member 10264 Shaker Dr Columbia md 21046					Kings Contrivance	I am in between allview	Ina
8/23/2024 11:17:02	My Self (i.e., Single Person Household or Just You 11204 Avalanche Way					Hickory Ridge	Harriet	Porton
8/23/2024 12:59:30	My Family Household (i.e., Multiply Family Member 6558 River Run, Columbia, MD 21044					River Hill	Tammy	LeGrys
8/23/2024 13:31:21	My Self (i.e., Single Person Household or Just You 6521 WAVING TREE CT					River Hill	Andrea	Chronis-Tuscano
8/23/2024 13:55:31	My Self (i.e., Single Person Household or Just You 6981 Silent Dell Lane, Columbia, MD 21044					River's Edge	Glenn	Miller
8/23/2024 13:59:00	My Family Household (i.e., Multiple Family Member 10623 Glen Hannah Dr, Laurel, MD 20723					Leishear Village	Christina	Lambert
8/23/2024 17:31:50	My Family Household (i.e., Multiple Family Member 6416 Ripe Apple Lane					River Hill	Stacie	Resnick
8/23/2024 21:10:32	My Family Household (i.e., Multiple Family Member 7130 Moorland Drive					Ashleigh Knolls	cara	mahoney
8/24/2024 8:05:05	My Family Household (i.e., Multiple Family Member 4994 Centaurus Ct, Dayton, MD 21036					Dayton	Dayton	Virginia
8/24/2024 11:26:08	My Family Household (i.e., Multiple Family Member 12126 Fulton Ridge Drive					Fulton Ridge	Fulton Ridge - Fulton,	Kelli
8/24/2024 12:01:25	My Family Household (i.e., Multiple Family Member 6425 Quiet Night Ride Columbia MD 21044					River Hill	Robert	Scollar
8/24/2024 12:08:17	My Family Household (i.e., Multiple Family Member 7124 Morning Light Trail, Columbia MD 21044					River Hill	Scott	Markow
8/24/2024 12:15:02	My Family Household (i.e., Multiple Family Member 12750 Scaggsville rd Highland md					Highland	Highland	John
8/24/2024 12:27:39	My Family Household (i.e., Multiple Family Member 6512 Hazel Thicket Drive Columbia MD 21044					River Hill	N/A	Jill
8/24/2024 12:37:04	My Family Household (i.e., Multiple Family Member 10962 Trotting Ridge Way, Columbia, MD 21044					Hickory Ridge	Dorothy	Ortiz
8/24/2024 12:52:08	My Family Household (i.e., Multiple Family Member 6384 grateful heart gate Columbia, MD 20144					River Hill	Robyn	Miller
8/24/2024 12:52:36	My Family Household (i.e., Multiple Family Member 12172 Flowing Water Trail Clarksville MD 21029					River Hill	Michell	Min
8/24/2024 12:58:06	My Family Household (i.e., Multiple Family Member 5919 trumpet sound court clarksville 21029					River Hill	Emily	Chikhaoui
8/24/2024 13:13:51	My Family Household (i.e., Multiple Family Member 6540 Autumn wind cir Clarksville Md 21029					River Hill	Jennifer	Kulik

**Stop the W.R. Grace Plastics Project Petition  
The Stop Grace Project  
stopgraceplasticpermit.my.canva.site**

8/24/2024 13:15:34	My Family Household (i.e., Multiple Family Member 6416 ripe Apple Lane, columbia, md	River Hill	Brian	Resnick	Brian Resnick	4	
8/24/2024 13:45:29	My Family Household (i.e., Multiple Family Member 6818 Roslyn Court	Guilford	Pointers Run Overlook	Molly Nicholl	Molly Nicholl Inglis	2	
8/24/2024 13:47:13	My Family Household (i.e., Multiple Family Member 6317 Morning Time Lane Columbia MD 21044	River Hill	Rachel	Scholnick	Rachel Scholnick	5	
8/24/2024 14:19:58	My Family Household (i.e., Multiple Family Member 6517 Early Lily Row Columbia 21044	River Hill	Nicole	Pilevsky	Nicole Pilevsky	5	
8/24/2024 14:39:24	My Self (i.e., Single Person Household or Just You 6676 Buttonhole Ct	Hickory Ridge	Laura	Seylar	Laura Seylar		
8/24/2024 14:44:11	My Family Household (i.e., Multiple Family Member 7949 Lawndale Circle Columbia Md 21044	Cedar Creek	Aisha	Hasan	Aisha Hasan	5	
8/24/2024 14:50:21	My Family Household (i.e., Multiple Family Member 6425 grateful heart gate Columbia MD 21044	River Hill	Chris	Josey	Chris Josey	4	
8/24/2024 14:59:28	My Family Household (i.e., Multiple Family Member 5380 Green Bridge Road, Dayton MD 21036	Dayton	Dayton	Lorie	Lana	3	
8/24/2024 15:18:35	My Family Household (i.e., Multiple Family Member 6308 Silvery Star Path, Columbia, MD 21044	River Hill	Lisa	Nichols	Lisa Nichols	2	
8/24/2024 15:20:59	My Self (i.e., Single Person Household or Just You 10702 Faulkner Ridge Cir	Wild Lake	Sarah	Sexton	Sarah Elise Sexton		
8/24/2024 15:26:59	My Family Household (i.e., Multiple Family Member 6317 Morning Time Lane Columbia Md 21044	River's Edge	Julia	Pogach	Julia V Pogach	5	
8/24/2024 16:07:07	My Family Household (i.e., Multiple Family Member 608 Sideling Court	Sykesville	Sykesville	Melanie	Starling	Melanie Starling	4
8/24/2024 17:08:24	My Family Household (i.e., Multiple Family Member 5646 chamblis Dr	River Hill	Clarksville	Helen	Pappas	Helen Pappas	5
8/24/2024 17:54:03	My Self (i.e., Single Person Household or Just You 11668 Dark Fire Way	Harper's Choice	Cathy	Schwarz	Cathy J Schwarz		
8/24/2024 18:11:31	My Family Household (i.e., Multiple Family Member 10701 Quarterstaff Road Columbia, Md 21044	Hickory Ridge	Robin	Sturman	Robin Sturman	3	
8/24/2024 18:29:28	My Self (i.e., Single Person Household or Just You 6313 Mellow Twilight Court	River Hill	Walter	Rowe	Walter Rowe		
8/24/2024 18:34:30	My Family Household (i.e., Multiple Family Member 3013 Quail Hollow terrace	In montgomery County	Brookeville Md	Elizabeth	Fishman	Elizabeth Fishman	5
8/24/2024 18:39:37	My Family Household (i.e., Multiple Family Member 13054 Saint Patricks Ct	Highland, MD	Highland	Katie	Bozarth	Katie Bozarth	5
8/24/2024 19:07:52	My Family Household (i.e., Multiple Family Member 6267 Audubon Drive Columbia Md 21044	Hickory Ridge	David	Portnoy	David Portnoy	4	
8/24/2024 19:28:23	My Family Household (i.e., Multiple Family Member 6401 RIVER RUN, Columbia, MD 21044	River Hill	Marlene	Holmes	Marlene Holmes	2	
8/24/2024 19:36:44	My Family Household (i.e., Multiple Family Member 6413 Empty Song Rd	River Hill	Angela	Davis	Angela Davis	6 or more	
8/24/2024 19:42:23	My Self (i.e., Single Person Household or Just You 4998 Centaurus Court Dayton Maryland	Dayton	Dayton, Md	Jack	Spencer	Jack W. Spencer	
8/24/2024 19:48:32	My Family Household (i.e., Multiple Family Member 7523 Overview Terrace Columbia MD 21044	Cedar Creek	Christina	Yuan	Christina Yuan	2	
8/24/2024 19:53:43	My Family Household (i.e., Multiple Family Member 6308 Last Sunbeam Pl columbia Md 21044	River Hill	Julie	Pavlovsky	Julie Pavlovsky	5	
8/24/2024 20:09:14	My Family Household (i.e., Multiple Family Member 6508 Early Lily Row, Columbia MD 21044	River Hill	Barbara	Cosgrove	Barbara Cosgrove	4	
8/24/2024 20:18:21	My Family Household (i.e., Multiple Family Member 6325 Angel Rose Ct	River Hill	Suzanne	Thomas	Suzanne Thomas	5	
8/24/2024 20:36:25	My Family Household (i.e., Multiple Family Member 6118 Tulane Rd, clarksville md 21029	River Hill	Michelle	Ho	Michelle Ho	5	
8/24/2024 20:39:48	My Family Household (i.e., Multiple Family Member 11729 trotter point ct Clarksville md 21029	Trotter road	On trotter road	Bharathi	Muniswamy	No	
8/24/2024 20:52:49	My Family Household (i.e., Multiple Family Member 12100 Trailing Moss Gate	River Hill	Sarah	Wharton	Sarah Wharton	4	
8/24/2024 21:14:09	My Family Household (i.e., Multiple Family Member 6004 Pure Sky Place, Clarksville MD 21029	River Hill	Alicia	Kohler	Alicia Kohler	3	
8/24/2024 21:14:48	My Family Household (i.e., Multiple Family Member 12104 Early Lilacs Path	River Hill	Cathryn	Kim	Cathryn Kim	5	
8/24/2024 21:31:09	My Family Household (i.e., Multiple Family Member 12942 Byefield Drive, Highland, MD	Highland	Highland, my kids atter	Kathryn Bernas	Kathryn Bernas	4	
8/24/2024 21:31:53	My Self (i.e., Single Person Household or Just You 11878 Simpson Rd, Clarksville, MD 21029-1717, USA	Simpson Woods	Simpson Woods	Daniel	Steil	Daniel Steil	Prefer not to say.
8/24/2024 21:36:38	My Family Household (i.e., Multiple Family Member 10033 Fox Den rd	Ellicott city	Work in guilford	Jennifer	Decker	Jennifer Decker	4
8/24/2024 22:08:52	My Family Household (i.e., Multiple Family Member 6525 Ocean Shore Ln, Columbia MD 21044	River Hill	Marc	Gittleman	Marc Gittleman	3	
8/24/2024 22:10:52	My Family Household (i.e., Multiple Family Member 6726 Mink Hollow Road Highland MD	Highland	Highland	Judy	Radas	Judy Radas	3
8/24/2024 22:34:22	My Family Household (i.e., Multiple Family Member 3540 Countryside Drive, Glenwood MD	Glenwood	Glenwood	Emily	Godfrey	Emily Godfrey	5
8/24/2024 22:46:27	My Family Household (i.e., Multiple Family Member 6469 Empty Song Rd	River Hill	Lily	Weiss-Lora	Lily Weiss-Lora	3	
8/25/2024 0:01:06	My Family Household (i.e., Multiple Family Member 5749 Whistling Winds Walk, Clarksville, MD 21029	River Hill	Keivan	Ghoseiri	Keivan Ghoseiri	4	
8/25/2024 0:23:44	My Family Household (i.e., Multiple Family Member 4321 Buckskin wood dr ellicott city md 21042	Buckskin Lake	Lehigh	Mearns	Lehigh Mearns	6 or more	
8/25/2024 7:02:49	My Family Household (i.e., Multiple Family Member North Laurel	North Laurel	North Laurel, family me	Lorena Baniqued	No		
8/25/2024 7:43:23	My Self (i.e., Single Person Household or Just You 7654 Cross Creek Dr Columbia, MD 21044	Cedar Creek	Mariam	Ameri	Mariam Ameri		
8/25/2024 7:52:54	My Family Household (i.e., Multiple Family Member 5525 Adams Ridge Road Clarksville MD 21029	Clarksville	Clarksville	Cecelia	Battle	I support the petition above	
8/25/2024 7:53:50	My Family Household (i.e., Multiple Family Member 13913 Wayside Drive	Clarksville	Near Brighton Dam in C	Karin Swenson	Karin Swenson	3	
8/25/2024 7:54:54	My Family Household (i.e., Multiple Family Member 6509 Tender Mist Mews, Columbia MD 21044	River Hill	Alan	Pine	Alan Pine	4	
8/25/2024 8:16:58	My Family Household (i.e., Multiple Family Member 11819 Far Edge Path	Hickory Ridge	Karen	Kaiser	Karen Kaiser	6 or more	
8/25/2024 8:24:55	My Family Household (i.e., Multiple Family Member 6239 Trotter Road	River Hill	Danielle	Haddy	Danielle Haddy	4	
8/25/2024 9:01:42	My Family Household (i.e., Multiple Family Member 5308 Nightshade Ct	Glenmont	Glenmont	Melissa	Kay	Melissa Kay	3
8/25/2024 9:06:06	My Family Household (i.e., Multiple Family Member 6119 minute hand Ct	Hickory Ridge	Laura	Cavanaugh	Laura Cavanaugh	4	
8/25/2024 9:49:02	My Family Household (i.e., Multiple Family Member 6540 autumn wind circle	River Hill	Sharon	Kulik	Sharon Kulik	3	
8/25/2024 9:50:25	My Family Household (i.e., Multiple Family Member 11700 Stonegate Ln Columbia, MD 21044	Hickory Ridge	Erin	Anderson	Erin Anderson	3	
8/25/2024 10:16:13	My Family Household (i.e., Multiple Family Member 6323 Kiteline Court, Columbia, MD 21044	Hickory Ridge	William	Powers	William J Powers	2	
8/25/2024 11:02:16	My Family Household (i.e., Multiple Family Member 6140 Cedar wood drive, Columbia MD	Hickory Ridge	Bridgette	Dibble	Bridgette dibble	2	
8/25/2024 11:27:36	My Family Household (i.e., Multiple Family Member 6552 Ballymore Lane, Clarksville, MD 21029	River Hill	Elise	Ng	Elise Ng	5	
8/25/2024 12:17:51	My Family Household (i.e., Multiple Family Member 5414 talon court Clarksville md 21029	Clarksville	Zaki	Omar	Zaki Omar	5	
8/25/2024 12:48:06	My Family Household (i.e., Multiple Family Member 7956 Lawndale Circlr	Cedar Creek	Sara	Morrell	Sara Morrell	2	
8/25/2024 13:06:50	My Family Household (i.e., Multiple Family Member 5484 Harris Farm Lane	Clarksville,MD	Karen	Holloway	Karen Holloway	6 or more	
8/25/2024 14:02:13	My Self (i.e., Single Person Household or Just You 6011 Helmsman Way	River Hill	Lisa	Kurr	Lisa Kurr		
8/25/2024 14:12:51	My Family Household (i.e., Multiple Family Member Countless Stars Run	River Hill	Doha	Nassar	Doha Nassar	6 or more	
8/25/2024 14:28:11	My Family Household (i.e., Multiple Family Member 7111 Moorland Dr	Ashleigh Knolls	Clarksville	Stephanie	Tyler	Stephanie Tyler	5
8/25/2024 14:28:46	My Family Household (i.e., Multiple Family Member 7193 Joshua Grayson Drive, jessup MD 20794	jessup	Cedar Villa Heights, Je	Rachel	Wolven	Rachel Wolven	2
8/25/2024 14:47:20	My Self (i.e., Single Person Household or Just You 12571 Vincents Way, Clarksville MD 21029	River Hill	Danielle	Cohe	Danielle Cohen		
8/25/2024 15:08:46	My Family Household (i.e., Multiple Family Member 7791 Cross Creek Drive Columbia MD 21044	Cedar Creek	Amina	Bokhari	Amina Bokhari	4	
8/25/2024 15:11:32	My Family Household (i.e., Multiple Family Member 7743 Cross Creek Drive, Columbia, MD 21044	Cedar Creek	Garima	Sharma	Garima Sharma	3	
8/25/2024 15:15:59	My Family Household (i.e., Multiple Family Member 11444 iager blvd	Maple lawn	Maple lawn	Sarah	Casagrande	Sarah Casagrande	3
8/25/2024 15:17:16	My Family Household (i.e., Multiple Family Member 7663 Cross Creek Dr., Columbia, MD 21044	Cedar Creek	Agata	Anthony	Agata Anthony	2	
8/25/2024 15:21:27	My Family Household (i.e., Multiple Family Member 7220 MAINSTREAM WAY	Cedar Creek	Aamir	Chowdhury	Aamir Chowdhury	4	
8/25/2024 15:34:04	My Self (i.e., Single Person Household or Just You 7236 mainstream way	Cedar Creek	Ramya	Marravula	Ramya Marravula	4	
8/25/2024 15:50:01	My Self (i.e., Single Person Household or Just You 7534 Broadcloth Way Columbia, MD 21046	Kings Contrivance	Jacalyn	Ely	Jacalyn Ely	Prefer not to say.	
8/25/2024 16:02:03	My Family Household (i.e., Multiple Family Member 11453 lager Blvd	Maple lawn	Maple lawn	Hannah	Sanderson	Hannah Sanderson	4
8/25/2024 16:15:44	My Family Household (i.e., Multiple Family Member 12300 Carol Drive, Fulton, MD 20759	Fulton Manor	Fulton Manor	Nicole	Miller	Nicole Miller	4
8/25/2024 16:16:19	My Self (i.e., Single Person Household or Just You 7675 Cross Creek Drive	Cedar Creek	Kara	Karabias	Kara Karabias		
8/25/2024 16:20:26	My Family Household (i.e., Multiple Family Member 6501 Langford ct.	Clarksville	Clarksville	Vaishali	Thakkar	Vaishali thakkar	4
8/25/2024 16:30:29	My Self (i.e., Single Person Household or Just You 9558 Angelina cir, columbia Md 21045	Owen Brown	Ilyse	Reid	Ilyse Reid		
8/25/2024 16:33:13	My Self (i.e., Single Person Household or Just You 6076 Laurel Wreath Way	Town Center	Jon	Miller	Jon Miller		

**Stop the W.R. Grace Plastics Project Petition  
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8/25/2024 16:33:31	My Self (i.e., Single Person Household or Just You 9558 Angelina Circle Columbia	Owen Brown	Elaine Reid	Elaine Reid	2
8/25/2024 17:32:48	My Family Household (i.e., Multiple Family Member 7747 CROSS CREEK DRIVE	Cedar Creek	Maria Diwanji	Maria Diwanji	3
8/25/2024 17:42:52	My Family Household (i.e., Multiple Family Member 6500 Kells Court	Clarks Glen	Nitin Verma	I support this petition.	4
8/25/2024 17:51:17	My Family Household (i.e., Multiple Family Member 7763 Cross Creek Dr. Columbia MD 21044	Cedar Creek	Hyonchu Jung	H. Karen Jung	4
8/25/2024 17:59:39	My Family Household (i.e., Multiple Family Member 10606 Millet Seed HI, Columbia, MD 21044	Hickory Ridge	Gail Leithauser	Gail Leithauser	3
8/25/2024 18:00:16	My Self (i.e., Single Person Household or Just You 11170 Chambers Court, Woodstock, MD 21163	Waverly Woods-Woodstock	Carla Tevelow	Carla Tevelow	
8/25/2024 18:02:37	My Family Household (i.e., Multiple Family Member 7932 Lawndale circle	Cedar Creek	Not applicable	Thanh-Ha Nguyen	6 or more
8/25/2024 18:04:22	My Family Household (i.e., Multiple Family Member 4277 Buckskin Wood Drive Ellicott City MD 21042	I run thru River Hill and Buckskin Woods	Dena Brzezicki	Dena Brzezicki	4
8/25/2024 18:04:48	My Family Household (i.e., Multiple Family Member 11884 Bright Passage	Hickory Ridge	William Rollow	William Rollow	3
8/25/2024 18:07:47	My Family Household (i.e., Multiple Family Member 7631 Cross Creek Drive Columbia Md 21044	Cedar Creek	Tashia Jenkins	Tashia Jenkins	5
8/25/2024 18:54:51	My Family Household (i.e., Multiple Family Member 12300 CAROL DRIVE	Fulton Manor	Fulton, Manor off of Ha Andrew Miller	A. Michael Miller	4
8/25/2024 19:28:36	My Family Household (i.e., Multiple Family Member 11802 Far Edge Path Columbia MD 21044	Clary's Forest	Clary's Forest	Scott Pelletier	2
8/25/2024 19:50:55	My Family Household (i.e., Multiple Family Member 12317 Point Field Drive	Fulton Manor	Fulton Manor	Laura Hahn	4
8/25/2024 20:17:05	My Family Household (i.e., Multiple Family Member 7014 Marabou Court Columbia, MD 21044	River's Edge	Candice Nager	Candice Kassin Nager	
8/25/2024 20:20:03	My Family Household (i.e., Multiple Family Member 1328 broken land pkwy	Harper's Choice	Kelly Mcculley	Kelly mcculley	4
8/25/2024 21:46:22	My Family Household (i.e., Multiple Family Member 6016 Ascending Moon Path	River Hill	Meg Snyder	Meg Snyder	3
8/25/2024 21:54:19	My Family Household (i.e., Multiple Family Member 6914 Roslyn Court Columbia MD 21044	River Hill	Lisa Kelly	Lisa A Kelly	3
8/25/2024 22:22:13	My Family Household (i.e., Multiple Family Member 7110 Rivers View Ct Columbia MD 21044	River's Edge	Kim Stepanuk	Kim Stepanuk	4
8/25/2024 22:41:53	My Family Household (i.e., Multiple Family Member 12360 Pleasant view dr Fulton MD 20759	Fulton Manor	Fulton Manor	Cara LeConte	5
8/25/2024 23:00:36	My Self (i.e., Single Person Household or Just You 12325 pleasant view drive, Fulton	Fulton Manor	Fulton Manor	mari kim	
8/25/2024 23:40:48	My Family Household (i.e., Multiple Family Member 5144 Celestial Way	Harper's Choice	Peggy Nebus	Peggy Nebus	4
8/25/2024 23:55:10	My Family Household (i.e., Multiple Family Member 11328 Castlewood Ct, Laurel, MD	Reservoir Overlook	Reservoir Overlook	Alan T Seigel	2
8/26/2024 0:15:01	My Family Household (i.e., Multiple Family Member 6400 Morning Time Lane	River Hill	Stephanie Fang	Stephanie Fang	4
8/26/2024 0:57:12	My Family Household (i.e., Multiple Family Member 12301 Carol Drive, Fulton, MD. 20759	Fulton Manor	Fulton Manor	Marlene Buczynski	3
8/26/2024 6:15:34	My Family Household (i.e., Multiple Family Member 7220 Mainstream Way	Cedar Creek	Nusrat Siddique	Nusrat Siddique	4
8/26/2024 7:33:46	My Family Household (i.e., Multiple Family Member Fulton, MD	Hunterbrooke	Rebecca Salkeld	Rebecca Salkeld	6 or more
8/26/2024 8:27:02	My Family Household (i.e., Multiple Family Member 6416 Autumn Sky Way, Columbia 21044	River Hill	Sandra Holt	Sandra Holt	5
8/26/2024 8:54:24	My Family Household (i.e., Multiple Family Member 6455 South Wind Circle	River Hill	Edward Tanner	Edward Charles Tanner	4
8/26/2024 9:31:10	My Family Household (i.e., Multiple Family Member 6421 Erin Drive, Clarksville	Clarks Glen	Japjit Sidana	Japjit Sidana	4
8/26/2024 10:04:57	My Family Household (i.e., Multiple Family Member 6524 Waving Tree Court, Columbia, MD	River Hill	Nazia Tabassum	Nazia Tabassum	4
8/26/2024 10:06:02	My Family Household (i.e., Multiple Family Member 6524 Waving Tree Court, Columbia, MD	River Hill	Faraz Rahman	Faraz Rahman	4
8/26/2024 10:11:02	My Family Household (i.e., Multiple Family Member 7916 Lawndale Cir, Columbia, MD, 21044	Cedar Creek	Rafi Syed	Rafi Syed	3
8/26/2024 10:56:50	My Family Household (i.e., Multiple Family Member 7639 cross creek drive, Columbia, Md, 21044	Cedar Creek	Purvita Patel	Purvita Patel	3
8/26/2024 10:58:23	My Family Household (i.e., Multiple Family Member 7643 Cross Creek Drive, Columbia, MD 21044	Cedar Creek	Kamini Patel	Kamini Patel	4
8/26/2024 11:33:15	My Self (i.e., Single Person Household or Just You 9236 Quick Fox Columbia MD 21045	Owen Brown	Terri Petzold	Terri Petzold	
8/26/2024 11:35:34	My Family Household (i.e., Multiple Family Member 9466 Farewell Rd	Hickory Ridge	Alisa Niefeld-Batiz	Alisa Niefeld -Batiz	3
8/26/2024 13:00:07	My Family Household (i.e., Multiple Family Member 12375 Pleasant View Drive Fulton, MD 20759	River Hill	Kate Williams	Kate Williams	4
8/26/2024 13:27:50	My Family Household (i.e., Multiple Family Member 10618 Hunting Lane, Columbia, MD 21044	River's Edge	Heather Verron	Heather Verron	5
8/26/2024 13:45:05	My Family Household (i.e., Multiple Family Member 6300 silvery star path	River Hill	Margaret Asher	David Asher	2
8/26/2024 13:51:58	My Family Household (i.e., Multiple Family Member 7945 Lawndale Circle	Cedar Creek	Sudhangi Suthrave	Sudhangi Suthrave	5
8/26/2024 14:01:06	My Family Household (i.e., Multiple Family Member 7925 Lawndale Circle, Columbia MD 21044	Cedar Creek	Frances Askwith	Frances Askwith	3
8/26/2024 15:55:29	My Family Household (i.e., Multiple Family Member 4435 oakwood overlook ct	Oakwood overlook ct	Dayton md	Mary Stubs	4
8/26/2024 15:57:02	My Self (i.e., Single Person Household or Just You 6540 Autumn Wind Circle Clarksville Md 21029	River Hill	Jeff Kulik	Jeffrey S. Kulik	
8/26/2024 16:53:04	My Family Household (i.e., Multiple Family Member 6300 MELLOW TWILIGHT CT, COLUMBIA, MD 21044	River Hill	Paula Henry	Paula Henry	4
8/26/2024 17:20:27	My Family Household (i.e., Multiple Family Member 12815 Hall Shop Rd	Highland	Highland	Lisa Gouner	3
8/26/2024 17:29:53	My Family Household (i.e., Multiple Family Member 6645 mink hollow rd highland Md 20777	Highland	Highland	Donna Shatzer	6 or more
8/26/2024 19:11:41	My Family Household (i.e., Multiple Family Member 11517 Manorstone Lane , Columbia MD 21043	Harper's Choice	Heidi Abdelhady	Heidi Abdelhady	
8/26/2024 19:51:13	My Family Household (i.e., Multiple Family Member 3512 Lowlen Court	Plumtree Overlook	Shiwei Cheng	Shiwei Cheng	3
8/26/2024 20:07:18	My Family Household (i.e., Multiple Family Member 12339 Pleasant View Dr, Fulton, MD 20759	Fulton Manor	Fulton Manor	Deborah Towner	4
8/26/2024 20:24:49	My Family Household (i.e., Multiple Family Member 5801 Clipper Lane, #204	River Hill	Brian Grodsky	Brian Grodsky	2
8/26/2024 20:43:13	My Self (i.e., Single Person Household or Just You 10829 Vista Road	River's Edge	Amanda Hatten	Amanda Hatten	
8/26/2024 20:45:51	My Family Household (i.e., Multiple Family Member 13454 Long Days Ct	Highland	Highland	Joseph MacKrell	3
8/26/2024 21:20:30	My Family Household (i.e., Multiple Family Member 5699 Trotter rd	clarksville md	clarksville md	dennis burns	4
8/26/2024 21:22:26	My Family Household (i.e., Multiple Family Member 6505 Drifting Cloud Mews	River Hill	Greg Perlstein	Greg Perlstein	4
8/26/2024 21:30:22	My Family Household (i.e., Multiple Family Member 6508 Drifting Cloud Mews	River Hill	Mona Weinberg	Mona Weinberg	4
8/26/2024 21:35:16	My Family Household (i.e., Multiple Family Member 6520 Hazel Thicket Drive	River Hill	Ilan Berman	Ilan Berman	4
8/26/2024 21:43:15	My Family Household (i.e., Multiple Family Member 5705 Trotter Road Clarksville, MD 21029	River Hill	Jacqueline Handelman	Jacqueline Handelman	Prefer not to say.
8/26/2024 22:24:49	My Family Household (i.e., Multiple Family Member 13454 Long Days court, Highland MD 20777	Allnut Farms	Allnut Farms	Jane Hershey	3
8/26/2024 22:31:37	My Self (i.e., Single Person Household or Just You 6008 Georgetown Ct. Clarksville, MD 21029	River Hill	Urmila Murali	Urmila Murali	
8/27/2024 6:00:34	My Family Household (i.e., Multiple Family Member 14540 Dorsey Mill Rd. Glenwood MD 21738	Glenwood	Glenwood	Daniel Bregman	5
8/27/2024 8:08:39	My Family Household (i.e., Multiple Family Member 10308 Winners Circle Way	Hunters Creek	Hunters Creek	Margaret T Vaughan	2
8/27/2024 8:10:48	My Family Household (i.e., Multiple Family Member 10392 Derby Drive	Hunters Creek in North North Laurel	Karin Cantrell	Karin Cantrell	4
8/27/2024 8:11:04	My Self (i.e., Single Person Household or Just You 5653 Harpers Farm Road	Harper's Choice	Cheryle Wharton	Cheryle Wharton	
8/27/2024 8:17:24	My Family Household (i.e., Multiple Family Member 14016 Castlebar Dr. Glenwood MD 21738	Glenwood, MD	Glenwood, MD	Erin Phelps	2
8/27/2024 8:41:11	My Family Household (i.e., Multiple Family Member 10334 Champions Way, Laurel, MD 20723	Hunters Creek, and we have family friends whc	Sherry Leikin	Sherry Leikin	3
8/27/2024 8:46:24	My Family Household (i.e., Multiple Family Member 10928 Tompkins Way Woodstock Md21163	Preserve at Waverly Gi 10928 Tompkins way.	Michael Pfau	Michael L Pfau	2
8/27/2024 9:02:50	My Family Household (i.e., Multiple Family Member 12112 Trailing Moss Gate, Clarksville	River Hill	Swati Kabaria	Swati Kabaria	4
8/27/2024 9:09:23	My Self (i.e., Single Person Household or Just You 10334 Champions Way Laurel MD	Hunters Creek	Hunters Creek	Jeff Leikin	
8/27/2024 9:13:14	My Family Household (i.e., Multiple Family Member 10304 pimlico pl	Hunters Creek	Rebecca Levine	Rebecca Levine	3
8/27/2024 9:27:23	My Self (i.e., Single Person Household or Just You 12317 Point Field Dr	Fulton Manor	Fulton Manor	Jeffrey Hahn	
8/27/2024 9:37:10	My Family Household (i.e., Multiple Family Member 12379 Pleasant view drive, Fulton	Fulton Manor	Fulton Manor	Madushini Dharmasena	4
8/27/2024 9:39:33	My Family Household (i.e., Multiple Family Member 8229 Hunterbrooke Ln, Fulton MD 20759	Fulton, MD	Fulton, MD	Jim Wang	6 or more
8/27/2024 9:52:41	My Family Household (i.e., Multiple Family Member 6509 ranging hills gate Columbia Md 21044	River Hill	Barbara Block	Barbara block	4
8/27/2024 9:58:19	My Family Household (i.e., Multiple Family Member 6421 River Run, Columbia, MD 21044	River Hill	Adam Spanier	Adam Spanier	4
8/27/2024 10:19:11	My Family Household (i.e., Multiple Family Member 6309 Angel Rose Ct Columbia MD 21044	River Hill	Kiera Boyle-Toledo	Kiera Boyle-Toledo	3

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8/27/2024 10:24:08	My Family Household (i.e., Multiple Family Member 6308 ANGEL ROSE CT	River Hill		Kavitanjali	Kumar	Kavitanjali Kumar		4
8/27/2024 10:40:56	My Family Household (i.e., Multiple Family Member 6605 Rising Waves Way	River Hill		Justin	Devlin	Justin Patrick Devlin		4
8/27/2024 10:43:06	My Family Household (i.e., Multiple Family Member 12661 Vincents Way Clarksville, MD 21784	River Hill		Betsy	See	Elizabeth (Betsy) Mahaffey See		4
8/27/2024 10:50:37	My Family Household (i.e., Multiple Family Member 10300 Pimlico Pl Laurel, MD 20723	Hunter's Creek	Hunter's Creek	Paul	Perret	Paul Perret		4
8/27/2024 10:57:34	My Family Household (i.e., Multiple Family Member 6329 angel rose court, Columbia nd 21044	River Hill		Leanne	Sheriff	Leanne Sheriff		4
8/27/2024 11:00:35	My Family Household (i.e., Multiple Family Member 6320 Angel Rose Court Columbia MD	River Hill		Nora	Sudarsan	Nora Sudarsan		4
8/27/2024 11:06:12	My Family Household (i.e., Multiple Family Member 10338 derby dr laurel 20723	Hunter creek	Hunter creek	Crystal	Ngo	Crystal Ngo		5
8/27/2024 11:23:33	My Family Household (i.e., Multiple Family Member 6388 Guilford Road, Clarksville, MD 21029	Guilford		Sarah	Chandler	Sarah Chandler		4
8/27/2024 11:37:28	My Self (i.e., Single Person Household or Just You 12335 Pleasant View Dr	Fulton Manor		Jeanne	Morck	Jeanne SMorck		
8/27/2024 11:48:41	My Family Household (i.e., Multiple Family Member 6360 Guilford Road	River Hill		Robert	Wallace	Robert L. Wallace		4
8/27/2024 11:48:53	My Self (i.e., Single Person Household or Just You 6328 Angel Rose Court Columbia, MD 21044	River Hill		Lauren	McCarthy	Lauren McCarthy		
8/27/2024 12:15:31	My Family Household (i.e., Multiple Family Member 6317 Angel Rose CT	River Hill		Valerie	Osula	Valerie Osula		2
8/27/2024 12:24:57	My Family Household (i.e., Multiple Family Member 5908 Hay boat Court	River Hill		Eileen	Harrity	Eileen Harrity		3
8/27/2024 12:52:43	My Family Household (i.e., Multiple Family Member 6008 Georgetown Ct Clarksville MD 21029	River Hill		Murali	Kannan	Murali Kannan		
8/27/2024 12:59:30	My Family Household (i.e., Multiple Family Member 6305 Enchanted Key Gate	River Hill		Tina	Bowers	Tina Bowers		4
8/27/2024 12:59:55	My Family Household (i.e., Multiple Family Member 6845 Sewells Orchard Drive	Sewells Orchard	Sewells Orchard	Mary	Sturm	Mary Ellen Sturm		2
8/27/2024 13:02:06	My Family Household (i.e., Multiple Family Member 7909 Lawndale Circle	Cedar Creek		Raymond	Ferrer	Raymond Ferrer		4
8/27/2024 13:07:15	My Family Household (i.e., Multiple Family Member 6445 Muster Ct	Centre Ridge	Virginia	Tammy	McCarron	Tammy McCarron		4
8/27/2024 13:13:59	My Family Household (i.e., Multiple Family Member 11825 Clarksville pike Clarksville MD 21029	River Hill		Raghid	Shourbaji	Raghid Shourbaji		4
8/27/2024 13:19:28	My Family Household (i.e., Multiple Family Member 7643 cross creek dr	Cedar Creek		Kamini	Patel	Kamini patel		4
8/27/2024 13:20:06	My Self (i.e., Single Person Household or Just You 10101 Governor Warfield Pky #121 Columbia MD 21044	Town Center		Judith	Klee	Judith Klee		
8/27/2024 13:32:46	My Family Household (i.e., Multiple Family Member 5202 winding star circle Columbia md 21044	Harper's Choice		Devi	Weinkle stephens	Devi weinkle stephens		4
8/27/2024 13:41:24	My Family Household (i.e., Multiple Family Member 6845 Sewells Orchard Drive	Sewells Orchard	Sewells Orchard	Mary	Sturm	Mary Ellen Sturm		2
8/27/2024 13:59:05	My Family Household (i.e., Multiple Family Member 10431 Churchill Way, Laurel 20723	Hunters Creek		Sandra	Griego	Sandra Griego		3
8/27/2024 14:02:41	My Family Household (i.e., Multiple Family Member 6975 silent Dell lane, Columbia md 21044	River's Edge		John	Linsenmeyer	John Linsenmeyer		5
8/27/2024 14:11:41	My Family Household (i.e., Multiple Family Member 5226 Harpers Farm Road	Harper's Choice		Gem	Nason	Gem Nason		4
8/27/2024 14:31:53	My Self (i.e., Single Person Household or Just You 3260 Saint Johns Lane	Ellicott City	Ellicott City	Barabara	Livieratos	Barabara Livieratos		
8/27/2024 15:14:40	My Family Household (i.e., Multiple Family Member Scotts Landing Rd., Laurel MD	Cheery Creek		Hanna	Liu	Hanna Liu		3
8/27/2024 15:15:37	My Family Household (i.e., Multiple Family Member 6512 tipperary ct, clarksville, md	River Hill		Guohui	WANG	Guohui Wang		4
8/27/2024 15:20:00	My Family Household (i.e., Multiple Family Member Clarksville MD	Enclave at River Hill		Andrew	Bonic	Andrew Bonic		4
8/27/2024 15:22:16	My Family Household (i.e., Multiple Family Member 6436 Quiet Night Ride, Columbia, MD 21044	River Hill		Diane	Hitch	Diane Hitch		2
8/27/2024 15:22:54	My Family Household (i.e., Multiple Family Member 10004 culverene Road, Ellicott City, 21042	Ellicott city		Nancy	Wu	Nancy wu		4
8/27/2024 15:22:55	My Family Household (i.e., Multiple Family Member 13150 Deanmar Dr. Highland, MD20777	Highland	Highland	Mike	Ren	Yes		4
8/27/2024 15:23:07	My Family Household (i.e., Multiple Family Member 6537 Ballymore Ln, Clarksville, MD 21029	River Hill		Yanming	Yin	Yanming Yin		4
8/27/2024 15:28:03	My Family Household (i.e., Multiple Family Member clarksville md 21029	River Hill		zhiyu	Li	zhiyu li		
8/27/2024 15:30:26	My Family Household (i.e., Multiple Family Member 4670 Woodland Road Ellicott City MD 21042	Ellicott City	Ellicott City	Rongbo	Lu	Rongbo Lu		4
8/27/2024 15:32:03	My Family Household (i.e., Multiple Family Member 10213 clubhouse ct Ellicott city md 21042	Dorsey's Search		Gongmei	Yu	Gongmei yu		3
8/27/2024 15:33:15	My Family Household (i.e., Multiple Family Member 6109 every sail path, Clarksville, md 21029	River Hill		Yuezhou	Jing	Yuezhou Jing		3
8/27/2024 15:35:30	My Family Household (i.e., Multiple Family Member 6533 limerick ct	River Hill		Wenping	Li	Wenping Li		3
8/27/2024 15:43:19	My Family Household (i.e., Multiple Family Member 9679 Oak Hill Dr, Ellicott City, MD 21042	Dorsey's Search		Yi	Zhang	Yi Zhang		5
8/27/2024 15:48:35	My Family Household (i.e., Multiple Family Member 6437 Quiet Night Ride, Columbia MD 21044	River Hill		Monica	Meier-Beck	Monica Meier-Beck		3
8/27/2024 15:52:48	My Self (i.e., Single Person Household or Just You 10719 Autumn Splendor Drive, Columbia, MD 21044	Hickory Ridge		Zelda	Rachbach	Zelda Rachbach		
8/27/2024 15:55:27	My Family Household (i.e., Multiple Family Member 5665 Harper Farms Rd	Harper's Choice		Rebecca	Bai	Rebecca Bai		4
8/27/2024 16:05:03	My Family Household (i.e., Multiple Family Member 10129 Bell Inn Ln 21042	Font Hill	Font Hill	Ruby	Wang	Ruby Wang		2
8/27/2024 16:16:09	My Family Household (i.e., Multiple Family Member 7964 Lawndale Cir, Columbia MD 21044	Cedar Creek		Yali	Li	Yali Li		4
8/27/2024 16:17:52	My Family Household (i.e., Multiple Family Member 10688 Quarterstaff Rd Columbia MD	Hickory Ridge		Angela	Prescott	Angela Prescott		5
8/27/2024 16:29:14	My Self (i.e., Single Person Household or Just You 5930 Great Star Dr clarksville MD21029	River Hill		yanrong	Yan	yanrong yan		
8/27/2024 16:29:41	My Family Household (i.e., Multiple Family Member 2746 Cheekwood Cir, Ellicott City, MD, 21042	Ellicott City	Ellicott City	Yi	Han	Yi Han		4
8/27/2024 16:30:35	My Family Household (i.e., Multiple Family Member 6511 Barley Corn Row, Columbia MD	River Hill		Xiaoqing	Peng	Xiaoqing peng		3
8/27/2024 16:33:01	My Family Household (i.e., Multiple Family Member 4720 Woodland Rd, 21042	Ellicott City	Ellicott City	Kasau	Lai	Kasau Lai		5
8/27/2024 16:35:58	My Self (i.e., Single Person Household or Just You 11085 Little Patuxent Parkway	Town Center		Luke	Kao	Luke Kao		
8/27/2024 16:42:57	My Family Household (i.e., Multiple Family Member 12635 Vincents Way	River Hill		Yuanzhen	Zhang	Yuanzhen Zhang		3
8/27/2024 16:45:39	My Family Household (i.e., Multiple Family Member 12113 shining stars Ln, Clarksville, MD 21029	River Hill		Jing	Tian	Jing Tian	6 or more	
8/27/2024 16:48:31	My Family Household (i.e., Multiple Family Member 12120 Shining Stars Lane	River Hill		Lei	Hao	Lei Hao		2
8/27/2024 16:51:22	My Family Household (i.e., Multiple Family Member 10645 Glen Hannah Dr., Laurel, MD	See below	North Laurel	Chenjie	Huang	Chenjie Huang		2
8/27/2024 16:55:02	My Family Household (i.e., Multiple Family Member 7727 Cross Creek Dr. Columbia MD 21044	Cedar Creek		Jinhua	Wang	Jinhua Wang		4
8/27/2024 17:00:00	My Family Household (i.e., Multiple Family Member 12836 Macbath Farm Lane, Clarksville 21029	River Hill		Wei	Lu	Wei Lu		3
8/27/2024 17:01:57	My Family Household (i.e., Multiple Family Member 6505 great drum circle, Columbia, me 21044	River Hill		Subing	Zeng	Subing Zeng		5
8/27/2024 17:15:48	My Family Household (i.e., Multiple Family Member 11724 Trotter Crossing Lane	River Hill		Sophia	Lin	Sophia Lin		4
8/27/2024 17:17:48	My Family Household (i.e., Multiple Family Member 6904 Sandy Creek Ct, Clarksville MD 21029	River's Edge		Hua	Wang	Hua Wang		4
8/27/2024 17:18:47	My Family Household (i.e., Multiple Family Member 10043 Waterford Drive	Centennial	Centennial	Yingying	Sang	Yingying Sang		4
8/27/2024 17:33:45	My Self (i.e., Single Person Household or Just You 12939 Triadelphia Mill Road	River Hill		Lily	Hua	Yes		
8/27/2024 17:38:49	My Family Household (i.e., Multiple Family Member 14908 Michele Dr Glenelg	Glenelg	Glenelg	Chun	Chen	Chun Chen		5
8/27/2024 17:41:01	My Family Household (i.e., Multiple Family Member 15429 Maple Ridge Rd, Woodbine, md 21797	Woodbine		Junzhong	Peng	Junzhong Peng		3
8/27/2024 17:48:43	My Family Household (i.e., Multiple Family Member 6141 Starburn Path	Long Reach		Minzhi	Liu	Minzhi Liu		4
8/27/2024 18:01:48	My Family Household (i.e., Multiple Family Member 6504 Ocean Shore Ln., Columbia MD 21044	River Hill		Maithili	Kale	Maithili Kale		3
8/27/2024 18:03:04	My Family Household (i.e., Multiple Family Member 23 Castlehill ct Lutherville 21093 MD	Timonium Lutherville	23 Castlehill CT Lutherville	Lili	Gibson	Lili Gibson	6 or more	
8/27/2024 18:05:27	My Family Household (i.e., Multiple Family Member 3308 Debra Ct, Ellicott City	Elliott City	Elliott City	Lynn	Liang	Lynn Liang		4
8/27/2024 18:06:05	My Family Household (i.e., Multiple Family Member 10102 Colonial Dr., Ellicott City, MD 21042	Centennial	Centennial	Zhengfang	Wang	Zhengfang Wang		3
8/27/2024 18:19:23	My Family Household (i.e., Multiple Family Member 10109 CARILLON DRIVE ,ELLCOTT CITY MD21042	ELLCOTT CITY		JYU	ZHAN	JYU ZHAN		2
8/27/2024 18:40:49	My Family Household (i.e., Multiple Family Member 9932 Carillon Dr.	Dorsey's Search		Yan	Feng	Yan Feng		4
8/27/2024 18:47:38	My Family Household (i.e., Multiple Family Member 10347 Champions Way	Hunters creek	Hunters Creek	Logan	Jones	Logan Jones		4
8/27/2024 19:06:26	My Family Household (i.e., Multiple Family Member 6425 Richardson Farm Ln, Clarksville MD 21029	River Hill		Yang	Yu	Yang Yu		3
8/27/2024 19:31:36	My Family Household (i.e., Multiple Family Member 13838 Wayside Ct, clarksville MD 21029	River Hill		Xuejiao	Wang	Xuejiao Wang		4
8/27/2024 19:41:00	My Family Household (i.e., Multiple Family Member 10300 burnside dr ellicott city md 21042	Centennial		Meifeng	Chen	Meifeng chen		3

**Stop the W.R. Grace Plastics Project Petition  
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8/27/2024 19:46:26	My Family Household (i.e., Multiple Family Member 14553 Edgewoods Way		Glenelg		Hui	Shen	Stop Grace's proposed the plan		4
8/27/2024 19:59:05	My Family Household (i.e., Multiple Family Member 6482 South Wind Circle		River Hill		Bernadette	Dunn	Bernadette Dunn		3
8/27/2024 20:05:44	My Family Household (i.e., Multiple Family Member 7320 Sanborn Way, Columbia, MD		Cedar Creek		Lirong	Zhou	Lirong Zhou		2
8/27/2024 20:13:11	My Family Household (i.e., Multiple Family Member 5720 western sea run		River Hill		Karen	Titus	Karen Titus		4
8/27/2024 20:20:27	My Self (i.e., Single Person Household or Just You 6305 Angel Rose Ct		River Hill		Bessie	Lewis	Bessie Lewis		
8/27/2024 20:21:54	My Family Household (i.e., Multiple Family Member 5800 Clipper Lane Unit 406		River Hill		Li Ming	Dong	Li Ming Dong		2
8/27/2024 20:22:02	My Family Household (i.e., Multiple Family Member 6408 Galway Dr		River Hill		Aling	Dong	Aling Dong		3
8/27/2024 20:26:35	My Family Household (i.e., Multiple Family Member 10070 colonial Dr., Ellicott City		Dorsey's Search		Lei	Ji	lei Ji		3
8/27/2024 20:29:17	My Family Household (i.e., Multiple Family Member 3810 Sand Creek Ct.		Paul Mill Road		Nan	Zhao	Nan Zhao		4
8/27/2024 20:37:17	My Family Household (i.e., Multiple Family Member 11627 vixens path, Ellicott City, Md 21042		River Hill		Jing	Zheng	JING ZHENG		4
8/27/2024 20:42:32	My Family Household (i.e., Multiple Family Member 14553 Edgewoods Way Glenelg MD 21737		Glenelg		Zhengxiong	Xi	Opposite		4
8/27/2024 20:50:26	My Family Household (i.e., Multiple Family Member 9633 white acre rd		Oakland Mills		Spark	Zeng		2	2
8/27/2024 21:12:16	My Family Household (i.e., Multiple Family Member 5513 Woodenhawk Cir Columbia MD 21044		Harper's Choice		Ling	Zheng	Ling zheng		4
8/27/2024 21:13:00	My Family Household (i.e., Multiple Family Member 7731 Cross Creek Drive		Cedar Creek		Yuexing	Li	YUEXING LI		4
8/27/2024 21:26:45	My Family Household (i.e., Multiple Family Member 6705 Whitegate Road, Clarksville, MD 21029		Clarksville Ridge	Clarksville Ridge	Lauren	Jagtiani	Lauren Jagtiani		4
8/27/2024 21:30:39	My Family Household (i.e., Multiple Family Member Grovenor Dr		Centennial		Wei	Zhang	Wei Zhang		4
8/27/2024 21:35:33	My Family Household (i.e., Multiple Family Member 7845 River Rock Way, Columbia, Maryland 21044		Simpson Mill	Simpson Mill	Ronny	Samet	Ronny Michael Silver Samet		4
8/27/2024 21:38:21	My Family Household (i.e., Multiple Family Member 6512 Langford Ct, Clarksville		Guilford		Li-Lin	Chiu	Li-Lin Chiu		4
8/27/2024 21:45:50	My Family Household (i.e., Multiple Family Member 3229 Ramblewood Rd, Ellicott City, MD 21042		Valley Mede	Ellicott City	Nicole	Garrett	Nicole Garrett		3
8/27/2024 21:57:40	My Family Household (i.e., Multiple Family Member Ellicott City, MD 21042		Ellicott City		Chunsheng	Zhao	Chunsheng Zhao		4
8/27/2024 22:24:01	My Self (i.e., Single Person Household or Just You 7731 Cross Creek Dr		Cedar Creek		Jie	He	Jie He		
8/27/2024 22:31:45	My Family Household (i.e., Multiple Family Member 7841 River Rock Way Columbia MD 21044		River Rick Way	River Rock Way	Mohamma	Miralikhel	Mohammad Miralikhel		5
8/27/2024 22:38:44	My Family Household (i.e., Multiple Family Member 10627 Millet Seed Hill		Hickory Ridge		Debating rah	Rubin	Deborah Rubin		3
8/27/2024 22:47:26	My Family Household (i.e., Multiple Family Member 240 786 5747		North Laurel	North Laurel	Bibi	Foston	Bibi		2
8/27/2024 22:55:04	My Family Household (i.e., Multiple Family Member 7589 weather worn way unit D Columbia Md 21046		Kings Contrivance		Maria	Singleetary	Maria Singletary		3
8/27/2024 23:09:06	My Self (i.e., Single Person Household or Just You 5681 Columbia Rd. Apt 202 Columbia MD 21044		Harper's Choice		Michael	Ji	Michael Ji		
8/27/2024 23:25:40	My Family Household (i.e., Multiple Family Member 6405 Grateful Heart Gate, Columbia, MD 21044		River Hill		Marina	Vornovitsky	Marina Vornovitsky		4
8/27/2024 23:31:47	My Self (i.e., Single Person Household or Just You 14517 Edgewoods Way, Glenelg Maryland 21737		Glenelg	Glenelg	Christine	Zhou	Christine Zhou		
8/28/2024 0:17:33	My Family Household (i.e., Multiple Family Member 13300 Long Leaf Dr		Clarksville	Clarksville	Nancy	Zhang	Nancy Zhang		3
8/28/2024 2:34:00	My Family Household (i.e., Multiple Family Member 14578 Edgewoods way, Glenelg, MD 21737		Triadelphia		Yvonne	Mrha	Yvonne Mrha		4
8/28/2024 2:54:51	My Self (i.e., Single Person Household or Just You 5681 C Harpers Farm RdColumbia MD 21044		Harper's Choice		Joel	Hurewitz	Joel Hurewitz		
8/28/2024 5:18:51	My Family Household (i.e., Multiple Family Member 12150 scaggsville rd		Fulton		VICKI	RAND	VICKI RAND		5
8/28/2024 6:59:56	My Family Household (i.e., Multiple Family Member 6918 berry wood ct, Columbia Md 21044		Pointers overlook		Alan	Idoni	Alan Wayne Idoni		3
8/28/2024 7:02:10	My Family Household (i.e., Multiple Family Member 9009 Labrador Lane		Dunloggin	Dunloggin area	Junyan	Fu	Junyan Fu		4
8/28/2024 7:46:45	My Family Household (i.e., Multiple Family Member 10201 Breconshire Road		Burleigh Manor		Xin	Yi	Xin Yi	6 or more	
8/28/2024 8:04:48	My Family Household (i.e., Multiple Family Member 7107 penny lane		Long Reach		Bing	Zhang	Bing Zhang		4
8/28/2024 8:16:46	My Family Household (i.e., Multiple Family Member 10904 Harmel Drive Columbia Md 21044		Hickory Ridge		María	Ferrucci	María Ferrucci		4
8/28/2024 8:46:22	My Family Household (i.e., Multiple Family Member 11707 Lone Tree Ct		Hickory Ridge		Calcifer	Fan	Calcifer Fan	6 or more	
8/28/2024 8:49:01	My Family Household (i.e., Multiple Family Member 2126 Fernglen Way Catonsville MD 21228		Catonsville	Catonsville MD	Namika	Mahmoodi	Namika Zaman Mahmoodi		5
8/28/2024 8:52:28	My Family Household (i.e., Multiple Family Member 3807 sand creek ct, Ellicott city, MD 21042		Ellicott city	Ellicott city	Wengen	Chen	Wengen Chen		4
8/28/2024 9:06:34	My Family Household (i.e., Multiple Family Member 6644 Towering Oak Path, Columbia		River's Edge		Karen	Dwyer	Karen & Michael Dwyer		2
8/28/2024 9:26:25	My Family Household (i.e., Multiple Family Member 9429 dunloggin rd		Dorsey's Search		Jerry	Jiang	Jerry Jiang		4
8/28/2024 9:49:17	My Family Household (i.e., Multiple Family Member 9090 Tiber Ridge Ct, Ellicott City, MD		Ellicott City		JIANJING	Cao	Jianjing Cao		4
8/28/2024 9:50:03	My Family Household (i.e., Multiple Family Member 6624 Rising Waves Way, Columbia		River Hill		Amy	Becker	Amy Becker		4
8/28/2024 10:18:09	My Family Household (i.e., Multiple Family Member 6514 River Run, Columbia MD 21044		River Hill		Victoria	Yozwiak	Victoria Yozwiak		2
8/28/2024 10:28:33	My Family Household (i.e., Multiple Family Member 6315 Nodding Night Ct		River Hill		Ja Hyung	Lee	Ja Hyung Lee		3
8/28/2024 10:37:20	My Family Household (i.e., Multiple Family Member 7146 Moorland Drive, Clarksville, MD		Ashleigh Knolls		Allison	Pihl	Allison Pihl		3
8/28/2024 10:44:30	My Family Household (i.e., Multiple Family Member 7233 Wolverton Ct, Clarksville, MD 21029		Ashleigh Knolls	Ashleigh Knolls	John	Porcelli	John Porcelli		4
8/28/2024 11:11:49	My Family Household (i.e., Multiple Family Member 6217 Waving Willow Path		River Hill		Somin	Lee	Somin Lee		3
8/28/2024 11:17:46	My Family Household (i.e., Multiple Family Member 11013 Charles Way, Fulton, MD 20759		Maple Lawn South	Maple Lawn South	Hiruy	Hadgu	Hiruy Hadgu		4
8/28/2024 11:28:58	My Family Household (i.e., Multiple Family Member 6620 Rising Waves Way, Columbia, MD 21044		River Hill		Jennifer	Diamond	Jennifer Diamond		3
8/28/2024 11:47:48	My Family Household (i.e., Multiple Family Member 7100 Ramsgate Court		Ashleigh Knolls		Scott	Sokolowski	Scott H Sokolowski		2
8/28/2024 11:53:14	My Family Household (i.e., Multiple Family Member 9801 Diversified Lane		Olde Mill	9801 Diversified Lane,	Mark	Sormanti	Mark Sormanti		5
8/28/2024 11:59:15	My Family Household (i.e., Multiple Family Member 3935 Walt Ann Dr, Ellicott City, MD 21042		Shepards Glen	Shepards Glen	Jennifer	Levy	Jennifer L Levy		3
8/28/2024 12:28:04	My Family Household (i.e., Multiple Family Member 12363 Pleasant View Dr		Fulton Manor	Fulton Manor	John	Sessler	John E Sessler	6 or more	
8/28/2024 12:47:24	My Family Household (i.e., Multiple Family Member 5093 Durham Rd W		Beaverbrook	Beaverbrook	Debra	Barly	Debra Barly		3
8/28/2024 13:30:44	My Family Household (i.e., Multiple Family Member 7208 Wolverton Ct Clarksville MD 20129		Ashleigh Knoll		Alan	Strott	Alan Strott		3
8/28/2024 14:16:28	My Family Household (i.e., Multiple Family Member 760 Howes Lane		Sebring	Sebring	Danielle	Taymoorian	Danielle Taymoorian		4
8/28/2024 14:19:11	My Family Household (i.e., Multiple Family Member 8574 Autumn harvest		Wheatfield	Ellicott City	Joanne	Zhao	Joanne Zhao		3
8/28/2024 14:22:33	My Family Household (i.e., Multiple Family Member 6078 Covington Road Columbia, MD 21044		Hickory Ridge		Kristen	Hammill	Kristen Hammill		4
8/28/2024 14:26:18	My Self (i.e., Single Person Household or Just You 10361 Whitewasher Way		Hickory Ridge		SONIA	TRUESDALE	SONIA TRUESDALE		
8/28/2024 14:52:25	My Family Household (i.e., Multiple Family Member 10354 Whitewasher Way		Hickory Ridge		Virginia	Raney	Virginia Raney		4
8/28/2024 15:13:48	My Family Household (i.e., Multiple Family Member 13150 Brighton Dam Road		Waterford	Clarksville	Shelby	Willets	Shelby Willets		3
8/28/2024 15:20:02	My Family Household (i.e., Multiple Family Member 7253 Steamerbell Row, Columbia, MD 21045		Owen Brown		Haiwen	Ding	Haiwen Ding		2
8/28/2024 16:35:04	My Family Household (i.e., Multiple Family Member 6524 Waving Tree Court		River Hill		Faraz	Rahman	Faraz Rahman		4
8/28/2024 16:39:46	My Self (i.e., Single Person Household or Just You 5414 talon court Clarksville maryland 21029		River Hill		Zarina	Hunt	Zarina Hunt		
8/28/2024 16:40:32	My Family Household (i.e., Multiple Family Member 5421 Jamesway court		Dunfarmin		Scott	Freinberg	Scott Freinberg	6 or more	
8/28/2024 16:42:49	My Self (i.e., Single Person Household or Just You 5414 talon ct Clarksville MD		Ten oaks		Zarina	Hunt	Zarina Hunt		
8/28/2024 16:46:22	My Self (i.e., Single Person Household or Just You 7329 Wildwood Court		Kings Contrivance		Kurt	Schwarz	Kurt R. Schwarz		
8/28/2024 16:46:37	My Self (i.e., Single Person Household or Just You 7654 Cross Creek Dr		Cedar Creek		Mariam	Ameri	Mariam Ameri		
8/28/2024 16:48:53	My Self (i.e., Single Person Household or Just You 10701 Quarterstaff Rd		Hickory Ridge		Howard	Sturman	Howard Sturman		
8/28/2024 16:57:23	My Family Household (i.e., Multiple Family Member 6308 last sunbeam pl Columbia Md 21044		River Hill		Vic	Agrawal	Vic Agrawal		5
8/28/2024 16:59:23	My Family Household (i.e., Multiple Family Member 7513 Red Cravat Ct		Kings Contrivance		Harold	Sommers	Harold Sommers		2
8/28/2024 17:07:26	My Family Household (i.e., Multiple Family Member 10264 Shaker drive Columbia MD 21046		Kings Contrivance		Ina	Hersh	Ina Hersh		4
8/28/2024 17:12:32	My Family Household (i.e., Multiple Family Member 7124 Chilton Ct, Clarksville, MD 21029		Ashleigh Knolls	Ashleigh Knolls (Clarks	Judith	Simons	Judith Slmons		5

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8/28/2024 17:16:28	My Family Household (i.e., Multiple Family Member 6726 Mink Hollow Road	Highland	Highland	Judy Radas	Yes, I support the petition above.	3
8/28/2024 17:39:32	My Family Household (i.e., Multiple Family Member 6429 Empty Song Rd. 21044	River Hill		Ron Briggs	Ron Briggs	2
8/28/2024 18:11:16	My Self (i.e., Single Person Household or Just You 7649 Woodstream Way, Laurel MD 20723	North Laurel	North Laurel, in Howar	Carolyn Parsa	Carolyn Parsa	
8/28/2024 18:35:35	My Family Household (i.e., Multiple Family Member 6616 Oxhorn court	Hickory Ridge		John Lee	John T Lee	3
8/28/2024 18:43:17	My Family Household (i.e., Multiple Family Member 6506 River Run Columbia MD 21044	River Hill		Robyn Gold	Robyn Gold	2
8/28/2024 18:47:12	My Family Household (i.e., Multiple Family Member Silvery Star Path	River Hill		Julie Hickey	Julie Hickey	4
8/28/2024 19:08:03	My Family Household (i.e., Multiple Family Member 7121 Chardon Court Clarksville MD 21029	Ashleigh Knolls	Ashleigh Knolls	Irene Vane	Irene Vane	4
8/28/2024 19:29:49	My Self (i.e., Single Person Household or Just You 6621 Rising Waves Way	River Hill		Norman Engelberg	Norman Engelberg	2
8/28/2024 19:33:19	My Family Household (i.e., Multiple Family Member 6506 River Run	River Hill		Jeffrey Gold	Jeffrey Gold	2
8/28/2024 19:35:48	My Family Household (i.e., Multiple Family Member 6518 South Wind Circle, Columbia, MD 21044	River Hill		Mary Jones	Mary Elizabeth Jones	2
8/28/2024 19:41:27	My Self (i.e., Single Person Household or Just You Eight Bells Lane, Columbia, MD 21044	Harper's Choice		Keith Gigliello	Keith Gigliello	Prefer not to say.
8/28/2024 19:42:34	My Family Household (i.e., Multiple Family Member 6517 Ocean Shore Lane	River Hill		Valerie Sikora	Valerie V Sikora	3
8/28/2024 19:49:46	My Self (i.e., Single Person Household or Just You 6621 Rising Waves Way Columbia 21044	River Hill		Leslie Marcuse	Leslie Marcuse	
8/28/2024 20:05:00	My Family Household (i.e., Multiple Family Member 14525 Edgewoods way, Glenelg, MD21737	Glenelg		Nian Zhao	Nian Zhao	3
8/28/2024 20:18:10	My Family Household (i.e., Multiple Family Member 12351 PLEASANT VIEW DR, FULTON, MD 20759	FULTON	FULTON	DHARMESH PATEL	DHARMESH PATEL	3
8/28/2024 20:25:19	My Family Household (i.e., Multiple Family Member 7121 Moorland Dr Clarksville, Md 21029	Ashleigh Knolls	Ashleigh Knolls	Puneet Mehrotra	Puneet Mehrotra	4
8/28/2024 20:26:38	My Family Household (i.e., Multiple Family Member 7841 River Rock Way	Allview Estates	River Rock Way	Bibi Sanam Miralikhel	Bibi Sanam Miralikhel	4
8/28/2024 20:46:08	My Family Household (i.e., Multiple Family Member 14460 Triadelphia Mill Rd	Dayton	Dayton, MD	Janet Miller	Janet Miller	3
8/28/2024 21:01:19	My Family Household (i.e., Multiple Family Member 10792 folkestone way, woodstock, MD	woodstock		QIANG FU	QIANG FU	4
8/28/2024 21:02:14	My Family Household (i.e., Multiple Family Member 10301 Wesleyh Drive, Columbia, MD	Wesleigh Drive	10301 Wesleyh Drive	Holli Hamilton	Holli Hamilton	2
8/28/2024 21:04:28	My Family Household (i.e., Multiple Family Member 6408 empty song rd	River Hill		Regina Steuer	Regina Steuer	4
8/28/2024 21:12:16	My Family Household (i.e., Multiple Family Member 3642 Grosvenor Dr, Ellicott City, MD 21042	Fonthill Community	Foothill Community	Jennifer Guo	Jennifer Guo	4
8/28/2024 21:18:52	My Family Household (i.e., Multiple Family Member 6405 Summer Sunrise dr 21044	River Hill		Tyler Grossi	Tyler Grossi	4
8/28/2024 21:21:38	My Family Household (i.e., Multiple Family Member 5421 TALON CT CLARKSVILLE MD 21029	River Hill		Rakhi De	Rakhi De	4
8/28/2024 21:21:59	My Family Household (i.e., Multiple Family Member 6513 folded leaf sq, Columbia Md 21044	River Hill		Janet Tangney	Janet Tangney	5
8/28/2024 21:22:55	My Family Household (i.e., Multiple Family Member Brighton Dam Rd	River Hill		Sara Brenner	Sara Brenner	5
8/28/2024 21:23:19	My Family Household (i.e., Multiple Family Member 6417 Onward Trail	River Hill		Jennifer Guy	Jennifer Guy	6 or more
8/28/2024 21:25:35	My Family Household (i.e., Multiple Family Member 6428 Richardson farm In, Clarksville, md 21029	Clarksville	Clarksville	Delong Liu	Delong liu	2
8/28/2024 21:31:53	My Family Household (i.e., Multiple Family Member 13155 Brighton Dam Road	Waterford in Clarksville	Waterford in Clarksville	Julia Young	Julia Young	4
8/28/2024 21:57:00	My Family Household (i.e., Multiple Family Member 3985 Sharp rd, Glenwood MD 21738	Glenwood	Glenwood	Brittany Goldberg	Brittany Goldberg	4
8/28/2024 22:16:43	My Family Household (i.e., Multiple Family Member 5840 Wild Orange Gate	River Hill		Sabina Salimova	Sabina Salimova	5
8/28/2024 22:31:25	My Family Household (i.e., Multiple Family Member 9059 Dunloggin rd, Ellicott City	Ellicott City	Ellicott City	Donna Zhou	Donna Zhou	3
8/28/2024 23:05:55	My Family Household (i.e., Multiple Family Member 6405 Fairest Dream Lane Columbia md 21044	River Hill		Martha Leibowitz	Martha Leibowitz	2
8/28/2024 23:09:23	My Self (i.e., Single Person Household or Just You 7320 Shady Glen Drive Columbia md 21046	Clark's Crossing (near	Clark's Crossing- off Ol	Erin Bounds	Erin Bounds	
8/28/2024 23:55:35	My Family Household (i.e., Multiple Family Member 10417 Blue Arrow Court	Hickory Ridge		Linda Eisenberg	Linda Eisenberg	2
8/28/2024 23:57:17	My Family Household (i.e., Multiple Family Member 11332 Castlewood Ct	Reserved at Rocky Go	Laurel	Debbie Wang	Debbie Wang	5
8/29/2024 0:25:53	My Family Household (i.e., Multiple Family Member 6542 South Wind Circle	River Hill	Pheasant Ridge in Rive	Ruth Goldberg	Ruth Goldberg	3
8/29/2024 0:27:46	My Family Household (i.e., Multiple Family Member 5717 Harper's Farm RD Columbia MD	Harper's Choice		Suzanne Bierer	Suzanne Bierer	Prefer not to say.
8/29/2024 0:33:34	My Family Household (i.e., Multiple Family Member 6608 Forest Shade Trail	River Hill		Julie A. Rosenthal	Julie A. Rosenthal	4
8/29/2024 3:58:36	My Family Household (i.e., Multiple Family Member 12878 lime kiln rd, highland, md.,20777	Guilford		miaochan Zhi	Miaochan zhi	5
8/29/2024 5:22:38	My Family Household (i.e., Multiple Family Member 6056 Signal flame ln	River Hill		Dhara Patel	Dhara Patel	5
8/29/2024 5:24:37	My Family Household (i.e., Multiple Family Member 10362 Whitewasher Way Columbia 21044	Hickory Ridge		Fred Johnston	Fred and Teresa Johnston	4
8/29/2024 5:50:49	My Family Household (i.e., Multiple Family Member 6305 Enchanted Key Gate	River Hill		Colin Bowers	Colin Bowers	4
8/29/2024 5:51:09	My Family Household (i.e., Multiple Family Member 6505 Tender Mist Mews	River Hill		Sharada Modur	Sharada Modur	4
8/29/2024 6:27:43	My Family Household (i.e., Multiple Family Member 6632 Rising Waves Way, Columbia, MD 21044	River Hill		Melissa Hamet	Melissa Hamet	4
8/29/2024 7:31:33	My Family Household (i.e., Multiple Family Member 2133 otter creek circle, Hanover md 21076	Near by	Hanover MD	Dimple Patel	Dimple Patel	3
8/29/2024 7:35:43	My Family Household (i.e., Multiple Family Member Centaurus Ct, Dayton	Dayton	Dayton	Raymond Ohl	Raymond G. Ohl, IV	4
8/29/2024 7:45:16	My Self (i.e., Single Person Household or Just You Ellicott City 21043	Ellicott City		Suzanne Castner	Suzanne Castner	
8/29/2024 8:15:07	My Family Household (i.e., Multiple Family Member 6624 Towering Oak Path, Columbia, MD 21044	River Hill		Justin Daniel	Justin Daniel	6 or more
8/29/2024 8:40:35	My Family Household (i.e., Multiple Family Member 9801 Diversified Lane	Olde Mill	9801 Diversified Lane,	Mark Sormanti	Mark Sormanti	5
8/29/2024 8:44:53	My Family Household (i.e., Multiple Family Member 6465 Empty Song Road	River Hill		Gail Stovall	Gail Stovall	2
8/29/2024 8:49:27	My Family Household (i.e., Multiple Family Member 11408 Elfstone Way	Harper's Choice		Christine Hipple	Christine Hipple	2
8/29/2024 9:28:54	My Family Household (i.e., Multiple Family Member 6515 River Run Columbia MD 21044	River Hill		Carla Figueroa	Carla Figueroa	4
8/29/2024 9:36:02	My Family Household (i.e., Multiple Family Member 6076 Cedar Wood Drive	Cedar Acres	Cedar Acres	Damon Hurbon	Damon Hurbon	
8/29/2024 9:38:56	My Family Household (i.e., Multiple Family Member 12256 Summer Sky Path, Clarksville, Maryland	River Hill		Sharon Thorpe	Sharon Thorpe	3
8/29/2024 9:41:01	My Family Household (i.e., Multiple Family Member 7744 Water Street	Maple Lawn	Maple Lawn	Natalie Trott	Natalie Trott	4
8/29/2024 9:43:44	My Family Household (i.e., Multiple Family Member 5580 Vantage Point Rd. Columbia Md Apt.2	Town Center		Frances Flannery	Frances Flannery	2
8/29/2024 9:47:57	My Family Household (i.e., Multiple Family Member 7744 Water Street Fulton MD 20759	Maple Law	Maple Law	Rick Trott	Rick Trott	4
8/29/2024 9:57:39	My Family Household (i.e., Multiple Family Member 11435 Ellington Street Fulton MD 20759	Maple Lawn	Maple Lawn	Pamela Mellott	Pamela Mellott	5
8/29/2024 9:58:58	My Family Household (i.e., Multiple Family Member 6105 Eternal Ocean Place	River Hill		Katherine Zidarich	Katherine Zidarich	2
8/29/2024 10:07:26	My Family Household (i.e., Multiple Family Member 7915 Maple Lawn Blvd	Maple Lawn	Maple Lawn	Liz Kundu	Liz Kundu	4
8/29/2024 10:32:52	My Family Household (i.e., Multiple Family Member 7244 Mainstream Way, Columbia, MD 21044	Cedar Creek		Leonard Boyd	Leonard Boyd	4
8/29/2024 11:40:05	My Family Household (i.e., Multiple Family Member 11216-1 Chase Street, Fulton, MD 20759	Maple Lawn	Maple Lawn	Lauren Graybeal	Lauren Graybeal	4
8/29/2024 12:37:21	My Family Household (i.e., Multiple Family Member 8302 Spring Blossom Ct, Laurel MD 20723	Other Howard County	Other Howard County	Caitlin Bender	Caitlin Bender	4
8/29/2024 12:56:50	My Family Household (i.e., Multiple Family Member 10296 Shaker Dr.	Kings Contrivance		Sharon McRae	Sharon McRae	4
8/29/2024 13:36:35	My Family Household (i.e., Multiple Family Member 6318 Dewey Dr, Columbia MD 21066	Hickory Ridge		Miriam Pokharel-Wood	Miriam Pokharel-Wood	3
8/29/2024 13:47:34	My Family Household (i.e., Multiple Family Member 6729 Pyramid Way, Columbia MD 21044	Hickory Ridge		Kira Elbeyli	Kira Elbeyli	4
8/29/2024 14:04:02	My Family Household (i.e., Multiple Family Member 6776 Pyramid Way, Columbia, MD 21044-4119, USA	Hickory Ridge		Vanessa Lin-Mims	Vanessa Lin-Mims	5
8/29/2024 14:08:22	My Family Household (i.e., Multiple Family Member 6105 Eternal Ocean Place Clarksville, MD 21029	River Hill		Melanie R. Yaksich	Melanie R. Yaksich	2
8/29/2024 14:20:45	My Family Household (i.e., Multiple Family Member Greatnews Lane	Hickory Ridge		Kristin Hartman	Kristin Hartman	5
8/29/2024 14:21:26	My Self (i.e., Single Person Household or Just You 5436 dogwood Rd Gwynn Oak MD 21207	I don't live in Howard c	Near Catonsville MD	Mikaela Iwaskiw	Mikaela Iwaskiw	
8/29/2024 14:38:42	My Family Household (i.e., Multiple Family Member 6784 Athol Ave	Harwood park		Heidi Hughes	Heidi Hughes	4
8/29/2024 15:20:39	My Family Household (i.e., Multiple Family Member 6178 Flutie ln	River Hill		Madhavi Annapureddy	Yes, it's a health hazard to the senior citizens, I	3
8/29/2024 15:22:52	My Family Household (i.e., Multiple Family Member 6138 Flutie lane	River Hill		Susan Sackel	Susan Sackel	5
8/29/2024 15:23:49	My Family Household (i.e., Multiple Family Member 6223 Flutie Ln	River Hill		Talia Wang	Talia Wang	2

**Stop the W.R. Grace Plastics Project Petition  
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8/29/2024 15:32:48	My Family Household (i.e., Multiple Family Member 12557 Vincents way Clarksville Md 20129	River Hill		Bik	Singh	Bik Singh		4
8/29/2024 15:40:50	My Family Household (i.e., Multiple Family Member 6208 Northrop Way Clarksville MD	Enclave at River Hill		Vishal	Chhikara	Vishal Chhikara		4
8/29/2024 16:06:08	My Family Household (i.e., Multiple Family Member 6166 Flutie Lane Clarksville MD 21029	Guilford		Jahnavi	TRIVEDI	Jahnavi Trivedi	6 or more	
8/29/2024 16:33:27	My Family Household (i.e., Multiple Family Member 6048 Winter Grain Path Clarksville	River Hill		Fran	May	Fran May		5
8/29/2024 16:38:10	My Family Household (i.e., Multiple Family Member Charmed Days, Laurel, MD	Near savage mill		Ben	Pafe	Ben Pafe		4
8/29/2024 17:52:10	My Family Household (i.e., Multiple Family Member 10915 Harmel Drive	Hickory Ridge		Nick	Caputo	Nick Caputo		2
8/29/2024 19:26:13	My Family Household (i.e., Multiple Family Member	Ellicott City		Rebecca	Thornton	Rebecca Thornton		4
8/29/2024 20:59:20	My Family Household (i.e., Multiple Family Member 5912 Trumpet sound ct	River Hill		Joan	Zhang	Joan Zhang		2
8/29/2024 21:02:54	My Family Household (i.e., Multiple Family Member 5709 WHISTLING WINDS WALK	River Hill		Phyllis	Kelley	Phyllis A Kelley		3
8/29/2024 22:40:05	My Family Household (i.e., Multiple Family Member 6131 Lily Garden	Guilford		KEERTHI	MUTHYALA	Keerthi Muthyala		4
8/29/2024 22:55:11	My Family Household (i.e., Multiple Family Member 12113 Sunlit Water Way Clarksville MD 21029	River Hill		Marlene	Trossman	Marlene Trossman		3
8/30/2024 6:05:09	My Family Household (i.e., Multiple Family Member 6436 Swimmer Row Way, Columbia, MD	Guilford		Ning	Shen	Ning Shen		4
8/30/2024 7:18:00	My Family Household (i.e., Multiple Family Member 6130 lily garden, Clarksville, MD 21029	River Hill		Najla	Barton	Najla Barton		5
8/30/2024 8:20:23	My Family Household (i.e., Multiple Family Member 10400 Springtwig Ct , Woodstock MD 21163	Waverly	Waverly	Amy	Crouch	Amy Crouch		5
8/30/2024 9:30:26	My Self (i.e., Single Person Household or Just You 4989 Columbia Road, Unit 304	Dorsey's Search		Jake	Burdett	Jake Burdett		
8/30/2024 9:42:12	My Family Household (i.e., Multiple Family Member 7648 cross creek drive	Cedar Creek		Elaha	Atayee	Elaha Atayee		5
8/30/2024 9:49:17	My Family Household (i.e., Multiple Family Member 7648 Cross Creek Drive	Cedar Creek		Nawid	Atayee	Nawid Atayee		5
8/30/2024 9:56:25	My Family Household (i.e., Multiple Family Member 6515 river run	River Hill		Anthony	Bolanos	Anthony Bolanos		4
8/30/2024 10:01:55	My Family Household (i.e., Multiple Family Member 7505 Overview Terrace Columbia MD	Cedar Creek	Listed above	Aynur	Demirel	Aynur Demirel		5
8/30/2024 10:11:11	My Family Household (i.e., Multiple Family Member 7220 Mainstream Way	Cedar Creek		Nusrat	Siddique	Nusrat Siddique		4
8/30/2024 11:37:13	My Family Household (i.e., Multiple Family Member Shannon Ct, Clarksville, MD21029	River Hill		Fang	Wu	Fang Wu		3
8/30/2024 13:33:29	My Family Household (i.e., Multiple Family Member 8638 Wellford Dr	Centennial Overlook		Lan	Ma	Lan Ma		
8/30/2024 14:16:47	My Family Household (i.e., Multiple Family Member 6609 Towering Oak Path	River Hill		Richard	Clayton	Richard Clayton		3
8/30/2024 16:20:46	My Family Household (i.e., Multiple Family Member 6473 empty Song RD Columbia MD	River Hill		Lixin	Zhang	Lixin Zhang		3
8/31/2024 8:23:43	My Family Household (i.e., Multiple Family Member 6513 Great Drum Circle	River Hill		Laurie	Lyons	Laurie Lyons		3
8/31/2024 8:36:18	My Family Household (i.e., Multiple Family Member 9345 Big River Run	Oakland Mills		Jorge	Gao	Jorge Gao	6 or more	
8/31/2024 9:30:12	My Family Household (i.e., Multiple Family Member 9609 John Randolph court, Ellicott City, MD 21042	Ellicott city		Maria	Zhang	Maria zhang		2
8/31/2024 11:33:22	My Family Household (i.e., Multiple Family Member 10219 Ebb Tide Ln. Laurel, MD 20723	Emerson	Emerson	Harris	Zeng	Harris Haifeng Zeng		3
8/31/2024 22:22:19	My Family Household (i.e., Multiple Family Member 9800 Madelaine CT	Ellicott city	Ellicott citu	Tao	Wu	Tao Wu		2
9/1/2024 10:39:52	My Family Household (i.e., Multiple Family Member 10697 Quarterstaff Rd	Hickory Ridge		Marilyn	Mills	Marilyn Mills		2
9/1/2024 12:54:27	My Family Household (i.e., Multiple Family Member 7320 Sanborn Way, Columbia MD 21044	Cedar Creek		Rene	Maldonado	Rene Maldonado		2
9/1/2024 17:50:48	My Family Household (i.e., Multiple Family Member 7703 Cross Creek Drive	Cedar Creek		Christine	Tupino	Christine Tupino		3
9/1/2024 18:26:58	My Family Household (i.e., Multiple Family Member 10615 Millet Seed Hill	Hickory Ridge		Shelley	Laub	Shelley Laub		2
9/1/2024 18:29:54	My Family Household (i.e., Multiple Family Member 12126 Fulton Ridge Drive	Fulton Ridge	Fulton, MD	Kelli	Passalacqua	Kelli Passalacqua		3
9/1/2024 18:37:03	My Family Household (i.e., Multiple Family Member 12363 Pleasant View Dr Fulton 20759	Fulton	Fulton	Victoria	Sessler	Victoria Sessler	6 or more	
9/1/2024 18:42:31	My Family Household (i.e., Multiple Family Member 7416 Cherry Tree Drive Clarksville	Hopkins Meade		Diana	Gersuk	Diana Gersuk	6 or more	
9/1/2024 18:52:10	My Self (i.e., Single Person Household or Just You 7936 lawndale cir columbia MD	Cedar Creek		Arundati	Kharel sigdel	Arundati kharel sigdel		4
9/1/2024 20:15:11	My Family Household (i.e., Multiple Family Member Fulton, Md	Fulton		Noah	Weintraub	Noah Weintraub		3
9/1/2024 21:26:39	My Family Household (i.e., Multiple Family Member 10701 Quarterstaff Road	Hickory Ridge		Robin	Sturman	Robin Sturman		3
9/1/2024 22:41:48	My Family Household (i.e., Multiple Family Member 10806 Dundee Dr. Columbia, MD 21044	Hickory Ridge		Kristine	BLOOM	Kr		2
9/2/2024 0:32:30	My Family Household (i.e., Multiple Family Member 7783 Cross Creek Drive Columbia MD 21044	Cedar Creek		Sue	Sabenorio	Sue Sabenorio		3
9/2/2024 0:56:17	My Family Household (i.e., Multiple Family Member 6582 Guilford Rd, Clarksville MD 21029	River Hill		Eric	DeMenthon	Eric DeMenthon		4
9/2/2024 1:48:17	My Family Household (i.e., Multiple Family Member 6500 Waving Tree Cr 21044	River Hill		Irene	Halkias	Irene Halkias		3
9/2/2024 1:55:20	My Family Household (i.e., Multiple Family Member 6405 Misty Top Pass	River Hill		Mike	Share	David Michael Share		2
9/2/2024 8:27:37	My Family Household (i.e., Multiple Family Member 11853 Tall Timber Dr	River Hill		Scott	Davis	I support		2
9/2/2024 8:31:18	My Self (i.e., Single Person Household or Just You 913 Nichols dr	Laurel	PG county	Laura	Sullivan	Laura Sullivan		
9/2/2024 8:34:23	My Family Household (i.e., Multiple Family Member 7416 Cherry Tree Dr, Clarksville, MD 21029	Hopkins Meade	Clarksville, near APL	Seth	Gersuk	Seth Gersuk	6 or more	
9/2/2024 8:47:10	My Family Household (i.e., Multiple Family Member 10627 Millet Seed Hill Columbia MD 21044	Hickory Ridge		Deb	Rubin	Deborah Rubin		2
9/2/2024 11:16:30	My Family Household (i.e., Multiple Family Member 6469 River Run, Columbia, MD. 21044	River Hill		Gary	Mousigian	Gary M. Mousigian		4
9/2/2024 11:26:54	My Family Household (i.e., Multiple Family Member 6405 Empty Song Road	River Hill		Denny	Mathew	Denny Mathew		4
9/2/2024 11:41:23	My Self (i.e., Single Person Household or Just You 10719 Autumn Splendor Drive	Hickory Ridge		Zelda	Rachbach	Zelda Rachbach		
9/2/2024 12:05:03	My Family Household (i.e., Multiple Family Member 5507 Green Bridge Road, Dayton MD 21036	Dayton	Dayton	Don	Mu	Don Mu		4
9/2/2024 13:14:15	My Family Household (i.e., Multiple Family Member 9429 dunloggin rd	Dorsey's Search		Jerry	Jiang	Jerry Jiang		4
9/2/2024 16:55:57	My Family Household (i.e., Multiple Family Member 7651 Cross Creek Drive	Cedar Creek		Anwer	Hasan	Anwer Hasan		2
9/2/2024 16:57:06	My Family Household (i.e., Multiple Family Member 7651 Cross Creek Drive	Cedar Creek		Roomina	Hasan	ROOMINA HASAN		2
9/2/2024 19:01:06	My Family Household (i.e., Multiple Family Member 10444 Sternwheel Place	Hickory Ridge		Richard	Steinberg	Richard Steinberg		2
9/2/2024 20:51:19	My Family Household (i.e., Multiple Family Member 7511 Overview Terr, Columbia MD, 21044	Cedar Creek		Mustafa	Omarzad	Mustafa Omarzad		5
9/2/2024 22:02:04	My Family Household (i.e., Multiple Family Member 6482 South Wind Circle	River Hill		Bernadette	Dunn	Bernadette Dunn		3
9/2/2024 22:18:19	My Family Household (i.e., Multiple Family Member 6553 River Run	River Hill		Kathy	Stevens	Kathy Stevens		3
9/2/2024 22:25:45	My Family Household (i.e., Multiple Family Member 6300 MELLOW TWILIGHT CT, Columbia, MD 21044	River Hill		Paula	Henry	Paula Henry		4
9/2/2024 22:59:27	My Self (i.e., Single Person Household or Just You 6546 South Wind Circle Columbia MD 21044	River Hill		Nora	Presti	Nora Presti		2
9/2/2024 23:15:36	My Family Household (i.e., Multiple Family Member 11605 Dark Fire Way	Clary's	Clary's Forest	Crystal	Konny	Crystal Konny		3
9/3/2024 1:02:41	My Family Household (i.e., Multiple Family Member 10634 Glass Tumbler Path, Columbia, MD 21044-4144, USA	Hickory Ridge		Mikaela	Clark	Mikaela Rossman Clark	6 or more	
9/3/2024 1:23:57	My Family Household (i.e., Multiple Family Member Mellow Wine Way	River Hill		Eliza	Weih	Eliza Weih		4
9/3/2024 5:39:33	My Family Household (i.e., Multiple Family Member 6449 Mellow Wine Way	River Hill		Christopher	Weih	Christopher Weih		4
9/3/2024 6:05:09	My Self (i.e., Single Person Household or Just You 7964 lawndale cir	Cedar Creek		Annabelle	Wu	Annabelle Wu		
9/3/2024 6:13:41	My Family Household (i.e., Multiple Family Member 6016 Misty Arch Run	Hickory Ridge		Laura	Grassi	Laura Grassi		3
9/3/2024 6:39:05	My Family Household (i.e., Multiple Family Member 7711 Cross Creek Drive	Cedar Creek		Rakhi	Singh	Rakhi Singh		3
9/3/2024 9:39:28	My Family Household (i.e., Multiple Family Member 3670 Cragsmoor Rd, Ellicott City,MD	Font Hill	Font Hill	Alice	Tsai	Alice Tsai		4
9/3/2024 13:00:55	My Family Household (i.e., Multiple Family Member 10806 Vista Rd. Columbia Md. 22044	River's Edge		Emily	Downs	Emily Downs		2
9/3/2024 13:49:27	My Family Household (i.e., Multiple Family Member 6409 Misty Top Pass Columbia MD 21044	River Hill		Angela	Ling	Angela Ling		3
9/3/2024 18:09:36	My Family Household (i.e., Multiple Family Member 7612 Cross Creek Drive	Cedar Creek		Cherae	Jones	Cherae Jones		3
9/3/2024 19:19:59	My Self (i.e., Single Person Household or Just You 123 don't want to say columbia Md 21044	ML		Bitu	Dayhoff	Bitu Dayhoff		
9/3/2024 19:59:15	My Family Household (i.e., Multiple Family Member 6109 Trackless Sea Court	River Hill		David	Krausz	David A. Krausz		4
9/3/2024 21:29:59	My Family Household (i.e., Multiple Family Member 6207 Northrop Way Clarksville MD 21029	River Hill		Pearl	Lee	Pearl Lee		4

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9/3/2024 21:39:20	My Family Household (i.e., Multiple Family Member 6513 Kilkenny Ct. 21019	Clark's Glen	Clark's Glen	Beth	Luntz	Beth Luntz		4
9/3/2024 21:46:33	My Family Household (i.e., Multiple Family Member 6107 Flutie Ln	River Hill		Shivakumar	Peddi	Shivakumar Peddi		4
9/3/2024 21:47:52	My Family Household (i.e., Multiple Family Member 12557 Vincents way Clarksville MD 21029	River Hill		Bik	Singh	Bik Singh		4
9/3/2024 22:03:05	My Family Household (i.e., Multiple Family Member Unsure why you need to know this	Hickory Ridge		Elizabeth	Tanaka	Elizabeth Tanaka	Prefer not to say.	
9/3/2024 22:37:04	My Self (i.e., Single Person Household or Just You 4614 Smokey Wreath Way	Dorsey's Search		Janet	Medina	Janet Medina		
9/3/2024 23:07:36	My Family Household (i.e., Multiple Family Member 12100 Flowing Water Trl., Clarksville MD 21029	River Hill		Jonathan	Jou	Jonathan Jou		5
9/4/2024 1:32:44	My Family Household (i.e., Multiple Family Member 6416 DISTANT MELODY PLACE Columbia Maryland 21044	River Hill		Bryan	Grenn	Bryan S Grenn		3
9/4/2024 5:56:21	My Family Household (i.e., Multiple Family Member 12654 Vincents away	River Hill		Ankita	Chandupatia	Ankita Chandupatia		4
9/4/2024 6:00:04	My Family Household (i.e., Multiple Family Member 10521 Rossini Lane Ellicott City MD 21042	Turf Valley		Luhua	Tai	Luhua Tai		5
9/4/2024 7:05:58	My Family Household (i.e., Multiple Family Member 6117 Trackless Sea Ct Clarksville MD 21029	River Hill		Stephanie	Lavner	Stephanie Lavner		4
9/4/2024 7:06:37	My Family Household (i.e., Multiple Family Member 5008 Green Bridge Rd, Dayton, MD 21036	Dayton	Dayton	Ellen	Sowry	Ellen Sowry		5
9/4/2024 7:50:11	My Family Household (i.e., Multiple Family Member 6441 Sundown Trail Columbia MD 21044	River Hill		Brian	Nagle	Brian Nagle		5
9/4/2024 8:29:18	My Self (i.e., Single Person Household or Just You 5920 Great Star Drive, Unit 304, Clarksville, MD 21029	River Hill		Alan	Lane	Alan L Lane		
9/4/2024 8:40:20	My Family Household (i.e., Multiple Family Member 8994 Wetbanks Ct, Columbia, MD 21045	Long Reach		Pamela	Gutman	Pamela Gutman		4
9/4/2024 8:40:36	My Family Household (i.e., Multiple Family Member 4808 Circling Hunter Dr, Columbia MD	Jonestown	Jonestown	Jack	McGowan	Jack McGowan		2
9/4/2024 8:57:42	My Family Household (i.e., Multiple Family Member 10732 McGregor Drive	Scot's Glen	Scot's Glen	Grace	Chaisson	Grace Chaisson		3
9/4/2024 8:57:45	My Self (i.e., Single Person Household or Just You 11863 Scaggsville Rd Fulton, MD 20759	Maple Lawn		Teresa	Bradford	Teresa Erica Bradford		
9/4/2024 9:00:39	My Self (i.e., Single Person Household or Just You 13135 Hutchinson Way, Silver Spring, MD 20906	Silver Spring, MD	Silver Spring, MD	Gary	Brick	Gary Brick		
9/4/2024 9:15:30	My Family Household (i.e., Multiple Family Member 6122 flutie lane clarksville md 21029	River Hill		Girish	Shetty	Girish Shetty		4
9/4/2024 9:19:43	My Family Household (i.e., Multiple Family Member 6119 FLUTIE Ln, Clarksville-21029	River Hill		Ujrta	Rami	Ujrta Rami	6 or more	
9/4/2024 9:19:47	My Family Household (i.e., Multiple Family Member 6434 South Trotter Rd	Pointers Run	Clarksville , Pointers R	Nancy	Parlette	Nancy Turner Parlette		3
9/4/2024 10:29:25	My Family Household (i.e., Multiple Family Member 123 Main St	Other	Maryland	Dan	Gordon	Dan Gordon		3
9/4/2024 10:52:10	My Family Household (i.e., Multiple Family Member 4667 Willowgrove Drive	Dorsey's Search		Gina	Smarty	Gina Smart		3
9/4/2024 11:30:11	My Family Household (i.e., Multiple Family Member 2124 Woodbine Rd	Lisbon	Lisbon	Anne	Stockbridge	Anne Stockbridge		5
9/4/2024 11:50:14	My Family Household (i.e., Multiple Family Member 7762 Chatfield Ln	Woodland Village	Woodland Village	Mia	Wyatt	Mia Wyatt		2
9/4/2024 11:55:53	My Self (i.e., Single Person Household or Just You 8511 Frederick Rd	Ellicott City		Carolyn	Hughes	Carolyn Hughes	Prefer not to say.	
9/4/2024 12:38:18	My Self (i.e., Single Person Household or Just You Manor Lane, Ellicott City, MD 21042	Ellicott City	Ellicott City	Sara	Via	Sara Via		
9/4/2024 12:48:44	My Self (i.e., Single Person Household or Just You 7232 Mainstream Way Columbia MD 21044	Cedar Creek		Jessica	Li	Jessica Li		
9/4/2024 13:09:17	My Family Household (i.e., Multiple Family Member 7933 Lawndale Cir	Cedar Creek		Sima	Amin	Sima Amin		4
9/4/2024 13:10:32	My Self (i.e., Single Person Household or Just You 7933 Lawndale Cir	Cedar Creek		Sanket	Patel	Sanket Patel		
9/4/2024 13:42:04	My Family Household (i.e., Multiple Family Member 8885 Warm Granite Drive	Long Reach		Barbara	Lagas	Barbara Lagas		2
9/4/2024 13:43:07	My Family Household (i.e., Multiple Family Member 6448 Lochridge Road, Columbia, MD 21044	Braeburn	Braeburn, off of Cedar	Sebastian	Buonato	SJ Buonato		4
9/4/2024 14:16:23	My Family Household (i.e., Multiple Family Member 7405 Plainview Ter, Columbia, MD 22044	Cedar Creek		Ugur	Ates	Ugur Ates		4
9/4/2024 15:32:36	My Family Household (i.e., Multiple Family Member 11281 Barnsley Way, Marriottsville, Md. 21104	Waverly Woods West	Waverly Wood West	Roseann	Taff	Roseann Taff		2
9/4/2024 18:36:33	My Family Household (i.e., Multiple Family Member 10826 Braeburn Road	Braeburn Community A	Columbia, across from	Jacqueline	Bates	Jacqueline M Bates		4
9/4/2024 20:36:34	My Self (i.e., Single Person Household or Just You 7888 Savage Guilford Rd., Jessup MD 20794	Kings Contrivance		Debbi	Mack	Debbi Mack		
9/4/2024 21:18:33	My Self (i.e., Single Person Household or Just You 5204 Woodam Ct-	Beaverbriij	Beaverbrook	Janet	Schreibstein	Janet Schreibstein	Prefer not to say.	
9/4/2024 21:46:27	My Family Household (i.e., Multiple Family Member 9824 SNOW BIRD LN	Emerson		Eunmyoung	Lee	EUNMYOUNG LEE		3
9/4/2024 23:48:41	My Family Household (i.e., Multiple Family Member 6507 River Run, Columbia, Md 21044	River Hill		Bing	Zhang	Bing Zhang		4
9/5/2024 7:02:58	My Self (i.e., Single Person Household or Just You 6723 Green Mill Way, Columbia, MD 21044	Simpson Mill	Simpson Mill Townhom	Jennifer	Aballo	Jennifer Aballo		
9/5/2024 12:13:15	My Family Household (i.e., Multiple Family Member 6608 Gleaming Sand Chase Columbia, MD 21044	River Hill		Steven	Shuman	Steven Shuman		3
9/5/2024 12:25:40	My Self (i.e., Single Person Household or Just You 9344 Cross Timbers Court, Laurel, MD 20723	Settler's Landing	Settler's Landing in Lat	Diane	Salvatore	Diane D. Salvatore		
9/5/2024 13:17:58	My Family Household (i.e., Multiple Family Member 12006 White Cord Way Columbia MD	Hickory Ridge		Mary	Hepple	Mary Hepple		5
9/5/2024 13:24:53	My Family Household (i.e., Multiple Family Member 6452 River Run Columbia MD 21044	River Hill		Mary	Sabella	Mary Sabella		2
9/5/2024 14:29:31	My Family Household (i.e., Multiple Family Member 7107 Kings point Way	Kings Contrivance		Melissa	Berry-Carolina	Melissa Berry-Carolina		4
9/5/2024 14:52:19	My Self (i.e., Single Person Household or Just You 4906-1 Columbia Road	Dorsey's Search		Eric	Miller	Eric Miller		
9/5/2024 15:12:36	My Family Household (i.e., Multiple Family Member 14460 Triadelphia Mill Rd, Dayton, MD	Dayton	Dayton	Janet	Miller	Janet Miller		3
9/5/2024 17:45:41	My Family Household (i.e., Multiple Family Member 6500 Ranging Hills Gate, Columbia, MD 21044	River Hill		Md Osman	Gani	Md Osman Gani		4
9/5/2024 18:18:32	My Family Household (i.e., Multiple Family Member 6206 Bridget Way, Clarksville, MD 21029	Guilford		Kimi	Liang	Yu Xuan Kimi Liang		4
9/5/2024 18:34:44	My Family Household (i.e., Multiple Family Member 6190 Flutie Ln	River Hill		Nicole	Ma	Nicole Ma		4
9/5/2024 19:55:35	My Self (i.e., Single Person Household or Just You 8918 Tawes St, Fulton, MD 20759	Fulton, MD	Fulton, MD	Stuart	Pineo	Stuart Pineo		
9/5/2024 19:59:44	My Family Household (i.e., Multiple Family Member 5622 Freshaire Lane	Harper's Choice		Carol	Hutchison	Carol Hutchison. I support the decision to stop	Prefer not to say.	
9/5/2024 20:30:27	My Family Household (i.e., Multiple Family Member 10218 Sunway terrace, Ellicott City MD	Ellicott City		Nicole	Shastri	Nicole Shastri		4
9/5/2024 22:04:29	My Self (i.e., Single Person Household or Just You 10354 Derby Dr	Hunters Creek	Hunters Creek	Julie	Dhanraj	Julie T Dhanraj		
9/5/2024 22:18:39	My Family Household (i.e., Multiple Family Member 7936 lawndale circle Columbia MD	Cedar Creek		Kishor	Sigdel	Kishor sigdel		4
9/5/2024 22:43:08	My Family Household (i.e., Multiple Family Member 7052 Garden Walk	River Hill		Donna	Considine	Donna Considine		2
9/6/2024 6:10:45	My Self (i.e., Single Person Household or Just You 9455 Clocktower Lane, Columbia, MD 21046	Kings Contrivance		Ruth	Auerbach	Ruth Lynn Auerbach		
9/6/2024 7:00:47	My Family Household (i.e., Multiple Family Member 13007 Red Maple Way, Clarksville	Twelve Hills		Aaron	Skolnick	Aaron M Skolnick		5
9/6/2024 7:03:45	My Family Household (i.e., Multiple Family Member 9982 Cape Ann Dr	Kings Contrivance		Ying	Matties	Ying Matties		2
9/6/2024 7:11:58	My Family Household (i.e., Multiple Family Member 7241 Mainstream Way, Columbia, MD 21044	Cedar Creek		Shirley	Chu	Shirley Chu	Prefer not to say.	
9/6/2024 8:44:34	My Family Household (i.e., Multiple Family Member 12550 Vincents way, Clarksville MD 21029	River Hill		Henry	Berghoff	Henry berghoff		2
9/6/2024 9:07:03	My Self (i.e., Single Person Household or Just You 13014 Highgrove Road, Highland, MD 20777	Schooley Mill	Schooley Mill (near par	Elizabeth	Collins	Elizabeth Collins		4
9/6/2024 9:16:51	My Self (i.e., Single Person Household or Just You 4243 Ten Oaks Rd Dayton MD 21036	Dayton	Dayton Maryland	Tracee	Kramer	Tracee Kramer		3
9/6/2024 10:12:40	My Family Household (i.e., Multiple Family Member 7241 Mainstream Wy, Columbia, MD 21044	Cedar Creek		Mo	Liu	Mo Liu	Prefer not to say.	
9/6/2024 10:41:48	My Family Household (i.e., Multiple Family Member 12100 hidden waters way 21029	River Hill		Ruth	Huffman	Ruth Huffman		4
9/6/2024 10:50:33	My Family Household (i.e., Multiple Family Member 6337 Departed Sunset Lane Columbia, MD 21044	River Hill		Beth Anna	Varson	Beth Anna Varson		3
9/6/2024 10:54:31	My Family Household (i.e., Multiple Family Member 6461 Empty Song Rd Columbia MD 21044	River Hill	Pointers Run - 5 min V	Monica	Ennaciri	Monica Ennaciri		4
9/6/2024 12:27:44	My Family Household (i.e., Multiple Family Member 10179 Owen Brown Road	Hickory Ridge		Allison	Dennis	Allison Dennis		2
9/6/2024 15:27:43	My Family Household (i.e., Multiple Family Member 6405 mellow wine way Columbia Md 21044	River Hill		George	Ganim	George Ganim		5
9/6/2024 15:53:18	My Family Household (i.e., Multiple Family Member 7212 Mainstream Way	Cedar Creek		Kingsley	Simons	Kingsley Simons		4
9/6/2024 16:18:46	My Family Household (i.e., Multiple Family Member 5014 Whetstone Rd. Columbia, MD 21044	Wild Lake	"Wilde Lake	Kathleen	Uy	Kathleen Uy		5
9/6/2024 17:13:46	My Family Household (i.e., Multiple Family Member 7525 Yellow Bonnet PL	Kings Contrivance		Richard	Love	Richard Love		2
9/6/2024 17:36:17	My Family Household (i.e., Multiple Family Member 11766 chapel Estates drive Clarksville MD 21029	River Hill		Bahareh	Negahban	Bahareh Negahban		4
9/6/2024 18:14:20	My Family Household (i.e., Multiple Family Member 15146 sapling ridge dr	Dayton md	Dayton MD	Paul	Patel	Paul patel		5
9/6/2024 18:31:01	My Family Household (i.e., Multiple Family Member 12488 East Nuggett Court	Highland Md 20777	Highland md	Kenneth	Ward	Kenneth Ward		2



**Stop the W.R. Grace Plastics Project Petition  
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9/6/2024 19:07:04	My Family Household (i.e., Multiple Family Member 14770 Triadelphia Mill Road	Dayton	Dayton	Cliff	Itwaru	Cliff Itwaru		4
9/6/2024 19:11:00	My Family Household (i.e., Multiple Family Member 11782 Stonegate Lane, Columbia MD 21044	Hickory Ridge		Susan	Buningh	Susan B. Buningh		3
9/6/2024 20:50:15	My Self (i.e., Single Person Household or Just You 900 S East Ave	Baltimore	Baltimore.	Claire	Usiak	Claire usiak		
9/6/2024 21:34:16	My Family Household (i.e., Multiple Family Member 6035 Holland Ct Columbia md 21044	Hickory Ridge		Preet	Sandhu	Preet sandhu	6 or more	
9/6/2024 21:56:10	My Family Household (i.e., Multiple Family Member 10560 Hunters Way Laurel MD 20723	north laurel	North Laurel	Beth	Satsisky	Beth Satsisky		3
9/6/2024 22:38:02	My Family Household (i.e., Multiple Family Member 7238 Life Quest Lane, Columbia, MD 21045	Owen Brown		Brooke	Blankenship	Brooke Blankenship		3
9/7/2024 8:48:27	My Family Household (i.e., Multiple Family Member 10750 Bridlerein Terrace	Hickory Ridge		Emily	Winkelstein	Emily Winkelstein		3
9/7/2024 8:50:25	My Family Household (i.e., Multiple Family Member 12150 Fulton Estates, Fulton, MD	Near pindell school roa	12150 Fulton estates c	Daljit	Soni	Daljit Soni		5
9/7/2024 8:58:03	My Family Household (i.e., Multiple Family Member 6453 River Run	River Hill		Gina	Egel	Gina Egel		5
9/7/2024 18:19:39	My Family Household (i.e., Multiple Family Member 6405 mellow wine way Columbia Md 21044	River Hill		George	Ganim	George Ganim		5
9/7/2024 19:20:34	My Family Household (i.e., Multiple Family Member 12186 Hayland Farm Way	River Hill		Deb	Solomon	Deb Solomon		3
9/8/2024 16:48:28	My Family Household (i.e., Multiple Family Member 6601 gleaming sand columbia MD 21044	River Hill		Jawad	Saade	Jawad Saade		5
9/8/2024 18:49:40	My Self (i.e., Single Person Household or Just You 10110 wesleigh Dr	Allview Estates		Andrea	Estrada	I support the above petition		
9/8/2024 21:53:01	My Family Household (i.e., Multiple Family Member 6500 Autumn Wind Circle	River Hill		Julia	Merti	Julia Merti		4
9/9/2024 8:26:19	My Family Household (i.e., Multiple Family Member 6465 sundown trail Columbia 21044	River Hill		Kim	Garrison	Kim garrison		5
9/10/2024 8:57:46	My Family Household (i.e., Multiple Family Member 6161 flutie Ln Clarksville md 21028	River Hill		Magdy	Ebeid	Magdy ebeid		4
9/10/2024 11:39:49	My Family Household (i.e., Multiple Family Member 7502 overview terrace columbia Maryland	Cedar Creek		Krithika	Kesavan	Krithika Kesavan	6 or more	
9/10/2024 11:39:54	My Family Household (i.e., Multiple Family Member 14825 Woodfield lane, Glenelg, md 21737	Glenelg		Jessica	Reikowsky	Jess Reikowsky		4
9/10/2024 12:23:59	My Self (i.e., Single Person Household or Just You 7956 Lawndale Circle Columbia, Md 21044	Cedar Creek		Debbie	Noonan	Debbie Noonan		4
9/10/2024 12:50:25	My Family Household (i.e., Multiple Family Member 1040 fairlane road woodbine	Fairlane farm	Fairlane farm	Nina	Harry	Nina Harry		4
9/10/2024 13:04:20	My Family Household (i.e., Multiple Family Member 14052 Gared Drive, Glenwood, MD	Byrd Manor	Byrd Manor	Neesha	manickam	Neesha Manickam		5
9/10/2024 13:09:17	My Family Household (i.e., Multiple Family Member 4333 Maisei Farm Lane	Private road	Beside Buckskin	Laura	Tan	Laura Tan		4
9/10/2024 13:14:55	My Self (i.e., Single Person Household or Just You Dayton Md	Castelberry		Jigna	Majmudar	Jigna Majmudar		4
9/10/2024 13:25:34	My Family Household (i.e., Multiple Family Member 16024 Fields End Ct	Woodbine	Woodbine	Elizabeth	Franks	Elizabeth Franks		3
9/10/2024 13:29:31	My Family Household (i.e., Multiple Family Member st Michaels road	Woodbine	Woodbine	Heather	Outman	Heather outman	Prefer not to say.	
9/10/2024 13:32:15	My Family Household (i.e., Multiple Family Member 14371 Frederick rd Cooksville MD 21723	Cooksville	Cooksville md	Kimberly	Ford	Kimberly Ford		4
9/10/2024 13:38:03	My Family Household (i.e., Multiple Family Member 3129 West Ivory Road, West Friendship, MD 21794	Fox Valley	Fox Valley neighborhoc	Kathryn	Gandy	Kathryn E. Gandy	6 or more	
9/10/2024 13:45:50	My Family Household (i.e., Multiple Family Member 3295 Roscommon Dr, Glenelg, MD 21737	Glenelg	Glenelg	Staci	Bradley	Staci Bradley		3
9/10/2024 14:00:15	My Family Household (i.e., Multiple Family Member 3630 Point Hitch Rd. Glenwood MD 21783	Countryside	Countryside	Kristen	Smith	Kristen Smith		3
9/10/2024 14:41:45	My Self (i.e., Single Person Household or Just You 1731 cattail meadows dr, Woodbine, md 21797	Cattail woods	Cattail woods	Beth	Higgins	Beth higgins		
9/10/2024 14:58:08	My Family Household (i.e., Multiple Family Member 625 Sideling Ct Sykesville MD	Gaither	Gaither	Jenna	Hammer	Jenna Hammer		5
9/10/2024 15:08:55	My Family Household (i.e., Multiple Family Member 14108 Burntwoods Rd Glenwood MD 21738	Glenwood	Glenwood	Emily	Lanciano	Emily Lanciano		5
9/10/2024 15:09:00	My Family Household (i.e., Multiple Family Member 3655 Paupers Folly Lane West Friendship MD 21784	Belvedere Estates	Belvedere Estates	Nicole	Weszka	Nicole Weszka		5
9/10/2024 15:20:08	My Family Household (i.e., Multiple Family Member 14684 Mustang Path Glenwood Md 21738	Glenwood	Glenwood	Robert	Lebair	Yes	6 or more	
9/10/2024 16:31:37	My Family Household (i.e., Multiple Family Member 14114 Burntwoods Rd	Glenwood	Glenwood	Catherine	Loomis	Catherine Loomis		4
9/10/2024 16:49:49	My Family Household (i.e., Multiple Family Member 3920 Sharp Road, Glenwood, MD 21738	Glenwood	Glenwood	Sara	Schlanger	Sara Schlanger		4
9/10/2024 17:04:32	My Family Household (i.e., Multiple Family Member 14840 Bushy park Rd	Western HoCo	Western HoCo	Jennifer	Ormond	Jennifer Ormond		3
9/10/2024 17:19:37	My Family Household (i.e., Multiple Family Member 13327 ridgewood dr	Ridgewood	Ridgewood	Mannik	Manokian	Mannik manokian	6 or more	
9/10/2024 18:32:18	My Family Household (i.e., Multiple Family Member 3982 Old Columbia Pike	Ellicott City	Ellicott City	Haiyan	Chen	Yes		3
9/10/2024 19:22:59	My Family Household (i.e., Multiple Family Member 15017 Rolling Hills DriveGlenwood, MD 21738	Glenwood	Glenwood	Krista	Kirk	Krista Kirk		5
9/10/2024 19:30:46	My Self (i.e., Single Person Household or Just You 779 chessie crossing way woodbine md 21797	woodbine	woodbine	ivy	meissner	ivy meissner		
9/10/2024 19:35:17	My Family Household (i.e., Multiple Family Member 3334 Sharp Road Glenwood MD 21748	Gwenley Estates		Susan	Love	Susan Lynn Love		4
9/10/2024 19:38:03	My Family Household (i.e., Multiple Family Member 13299 Hunt Rdg, Ellicott City, MD 21042	Hunt Ridge	Western Ellicott Citt	Claire	Reinken	Claire Reinken		4
9/10/2024 20:15:58	My Family Household (i.e., Multiple Family Member 3625 Cragsmoor Road	Ellicott City		Mary	Lu	Mary Lu		3
9/10/2024 21:08:17	My Family Household (i.e., Multiple Family Member 14204 Pioneer Circle, Glenelg MD 21737	Glenelg	Glenelg	Kathy	Broughton	Kathy Broughton		5
9/11/2024 5:27:23	My Family Household (i.e., Multiple Family Member 14581 Edgewoods Way 21737	Glenelg	Glenelg	Leslie	Roecklein	Leslie Roecklein		4
9/11/2024 9:46:36	My Family Household (i.e., Multiple Family Member 6621 Forest Shade Trail, Clarksville, MD, 21029	River Hill		Michael	Sanderoff	Michael Sanderoff		4
9/11/2024 9:51:14	My Family Household (i.e., Multiple Family Member 14820 Cemetery Road, Cooksville, Md 21723	No neighborhood	Cooksville	Beth	Lawson	Beth Lawson		5
9/11/2024 10:10:50	My Family Household (i.e., Multiple Family Member 14261 Triadelphia Mill Rd Dayton, MD 21036	Dayton	Private Road Dayton M	Anjali	Sandhu	Anjali Sandhu	6 or more	
9/11/2024 10:34:04	My Family Household (i.e., Multiple Family Member 11927 gold needle way Columbia md	Hickory Ridge		Patricia	Bascietto	Patricia Bascietto		2
9/11/2024 11:43:02	My Family Household (i.e., Multiple Family Member 4117 ten oaks rd	Dayton	Dayton	Amanda	Chaves	Amanda Chaves	6 or more	
9/11/2024 12:12:47	My Family Household (i.e., Multiple Family Member 5792 Alderleaf pl, Columbia	Long Reach		Ragaey	Ghaleb	Ragaey Ghaleb		2
9/11/2024 21:45:13	My Family Household (i.e., Multiple Family Member 1209 Emmaus Rd Woodbine MD	Walnut Springs	Walnut Springs	Debra	O'Byrne	Debra O'Byrne		4
9/12/2024 4:42:46	My Family Household (i.e., Multiple Family Member 10263 Shaker Dr. Columbia md 21046	Kings Contrivance		Ina	Hersh	Ina hersh		2
9/12/2024 9:06:26	My Family Household (i.e., Multiple Family Member 14080 Triadelphia rd	Glenelg		Eric	Gwin	Eric Gwin		4
9/12/2024 11:28:26	My Family Household (i.e., Multiple Family Member 3364 Burton Dr Ellicott City, MD 21042	Westmount	Westmount	Elizabeth	Hodnett	Elizabeth Hodnett		5
9/12/2024 12:04:30	My Family Household (i.e., Multiple Family Member 5020 lake circle ct, Columbia, MD	Beaverbrook	Beaverbrook	Maria	Herold	Maria Herold		2
9/12/2024 12:26:39	My Family Household (i.e., Multiple Family Member 5208 Woodam Ct Columbia md 21045	Beaverbrook	Beaverbrook	Baktash	Wessal	Baktash Wessal		5
9/12/2024 14:57:40	My Family Household (i.e., Multiple Family Member 6803 Green Mill Way, Columbia, MD 21055	Hickory Ridge		Lilian	Regmi	Lilian Regmi		4
9/12/2024 15:34:06	My Family Household (i.e., Multiple Family Member 2829 rolling fork way Glenwood md	Mckendree Estates	Glenwood	Diane	Shaver	Diane Shaver		5
9/12/2024 17:54:14	My Family Household (i.e., Multiple Family Member 5064 Lake Circle West, Columbia, MD. 21044	Beaverbrook		Maria	Alvare	Maria Alvarez		2
9/12/2024 18:47:18	My Family Household (i.e., Multiple Family Member 13705 bold venture drive, Glenelg MD	Paddocks, Glenelg	Glenelg.Paddock's neiç	Tracy	Cogdill	Tracy cogdill		5
9/12/2024 20:35:50	My Family Household (i.e., Multiple Family Member 6505 Hazel Thicket Drive, Columbia, Md. 21044	River Hill		Joan	Morton	Joan Morton		3
9/12/2024 20:38:06	My Family Household (i.e., Multiple Family Member 3447 Huntsmans Run	Western Ellicott City		Amanda	Salamon	Amanda Salamon		3
9/12/2024 20:42:04	My Family Household (i.e., Multiple Family Member 5093 Durham Road west Columbia MD 21044	Beaverbrook	Beaverbrook	Randolph	Barly	Randolph Barly		3
9/13/2024 6:22:14	My Family Household (i.e., Multiple Family Member Beaverbook Rd Columbia, MD 21044	Beaverbook	Beaverbrook	Theresa	Brilliant	Theresa Brilliant		3
9/13/2024 11:37:21	My Family Household (i.e., Multiple Family Member 3934 white rose way	Dorsey's Search		Yali	Mao	Yali Mao		4
9/13/2024 13:29:04	My Family Household (i.e., Multiple Family Member 4085 Roxbury Mill Rd	Glenwood area	Glenwood	Helen	Kim	Helen Kim	6 or more	
9/13/2024 18:51:25	My Family Household (i.e., Multiple Family Member 6516 Ocean Shore Lane	River Hill		Rosemary	Duncan	Rosemary J Duncan		4
9/14/2024 11:00:39	My Family Household (i.e., Multiple Family Member 6513 Kells Ct Clarksville, MD 21029	Clark's Glen	Clark's Glen	Haena-Young	Lee	Haena-Young Lee		2
9/14/2024 22:23:06	My Family Household (i.e., Multiple Family Member 6440 Richardson Farm Ln Clarksville MD 21029	Windy Knolls - Clarksvi	Richardson Farm Lane	SHEILA	BISHOFF	Sheila BISHOFF		2
9/15/2024 13:47:42	My Family Household (i.e., Multiple Family Member 6585 Autumn Wind Circle	River Hill		Judith	Thomas	Judith S. Thomas		5
9/24/2024 10:12:30	My Family Household (i.e., Multiple Family Member 10307 Paddock Place Laurel, MD 20723	Hammond		Stephanie	Kenez	Stephanie Kenez		4
9/28/2024 0:34:15	My Family Household (i.e., Multiple Family Member 6406 Lochridge Rd	Braeburn	Braeburn (Lochridge R)	Andy	Walker	Andrew J Walker		3
9/28/2024 10:39:47	My Self (i.e., Single Person Household or Just You 6486 River Run, Columbia, MD 21044	River Hill		Anne	Hager	Annie Hager		2

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9/28/2024 10:49:40	My Family Household (i.e., Multiple Family Member 6448 River Run	River Hill	Pyunghwa	Yoon	Pyunghwa Yoon	6 or more
9/28/2024 11:21:05	My Family Household (i.e., Multiple Family Member 6421 Distant Melody Pl	River Hill	Randy	Shore	Randy Shore	2
9/28/2024 11:30:55	My Family Household (i.e., Multiple Family Member 6405 enchanted Solitude place, Columbia md	Hickory Ridge	Martha	Bartlett	Martha Bartlett	4
9/28/2024 11:43:39	My Self (i.e., Single Person Household or Just You 6512 Evensong Mews	River Hill	Colleen	Donovan	Yes, I support this petition.	
9/28/2024 11:53:37	My Family Household (i.e., Multiple Family Member 6518 River Run	River Hill	Scott	Johnson	Scott Johnson	3
9/28/2024 12:42:37	My Family Household (i.e., Multiple Family Member 6613 Rising Waves Way	River Hill	Sandy	Cummings	Sandy K Cummings	2
9/28/2024 13:44:16	My Family Household (i.e., Multiple Family Member 6644 Towering Oak Path, Columbia	River Hill	Karen	Dwyer	Karen Dwyer	2
9/28/2024 14:54:35	My Family Household (i.e., Multiple Family Member 6632 Towering Oak Path, Columbia, MD 21044	River Hill	Teresa	Money	Teresa Money	2
9/28/2024 19:29:46	My Family Household (i.e., Multiple Family Member 7021 Jeweled Hand Circle, Columbia, MD 21044	River Hill	Guang	Lou	Guang Lou	2
9/29/2024 9:03:44	My Family Household (i.e., Multiple Family Member 6420 Distant Melody Place	River Hill	Mary	Acker	Mary Acker	2
9/30/2024 6:25:25	My Family Household (i.e., Multiple Family Member 6409 mellow wine way	River Hill	Ross	Usmani	Ross Usmani	3
9/30/2024 22:19:19	My Family Household (i.e., Multiple Family Member 6629 towering Oak Path , Columbia, Maryland 21044	Pointlers run/Riverhill	Pointers run in the Rive	Shari	Chase	Yes
10/1/2024 14:05:01	My Family Household (i.e., Multiple Family Member 6429 River Run	River Hill	Bassam	Farroha	Bassam Farroha	4
10/5/2024 14:59:19	My Family Household (i.e., Multiple Family Member 6106 Forestvale Court	Hickory Ridge	Rita	Cohen	Rita R. Cohen	2
10/8/2024 21:24:35	My Family Household (i.e., Multiple Family Member 6410 Liquid Laughter Lane	River Hill	Aron	Hubbard	Aron Hubbard	4
10/14/2024 21:35:49	My Family Household (i.e., Multiple Family Member 6500 Evensong Mews, Columbia, MD	River Hill	Stephanie	Ong	Stephanie S. Ong	5
10/19/2024 18:26:39	My Self (i.e., Single Person Household or Just You 10309 Derby Dr laurel, MD 20723	Hunters Creek / N laur	Hunters Creek / N laur	Shari	Skye	Shari Skye
10/22/2024 11:12:19	My Family Household (i.e., Multiple Family Member 7409 Plainview Terrace	Cedar Creek	Shannon	O'Dell	Shannon E. O'Dell	5
10/22/2024 20:50:23	My Family Household (i.e., Multiple Family Member 6478 River Run	River Hill	Roula	Zureick	Roula Zureick	2
11/1/2024 16:12:11	My Family Household (i.e., Multiple Family Member 6513 Ocean Shore Lane	River Hill	Martha	Brucato	Martha Brucato	4
11/5/2024 12:32:25	My Family Household (i.e., Multiple Family Member 6109 Trackless Sea Court	River Hill	Lisa	Krausz	Lisa Krausz	2
11/5/2024 12:33:03	My Family Household (i.e., Multiple Family Member 6469 Empty Song Rd	River Hill	Lily	Weiss-Lora	Lily Weiss-Lora	4
11/6/2024 18:47:33	My Family Household (i.e., Multiple Family Member 7678 Cross Creek Drive, Columbia MD 21044	Cedar Creek	Christopher	Dailey	Christopher T. Dailey	4
11/7/2024 14:55:29	My Family Household (i.e., Multiple Family Member 6522 River Run, Columbia, MD. 21044	River Hill	Rhonda	Chitwood	Rhonda Chitwood	2
11/7/2024 19:11:37	My Self (i.e., Single Person Household or Just You 7617 Weather Worn Way, Unit D	Kings Contrivance	Paul	Gionis	Paul Gionis	
11/10/2024 12:24:41	My Self (i.e., Single Person Household or Just You 3211 Vanborine Pl	Ellicott City	Ellicott City	Sarah	Pan	Sarah Pan
11/10/2024 15:58:43	My Family Household (i.e., Multiple Family Member 6901 Timber Creek Court Clarksville MD 21029	Clarksville Hunt	Clarksville Hunt	Indranil	Goswami	INDRANIL GOSWAMI
11/11/2024 16:48:06	My Family Household (i.e., Multiple Family Member 12379 Pleasant view drive, Fulton, MD 20759	Fulton Manor	Off Hallshop Road	Rukman	De Silva	Rukman De Silva
11/12/2024 2:13:08	My Family Household (i.e., Multiple Family Member 12232 pleasant springs ct Fulton md 20759	Highland Reserve		Meredith	Nowak	Meredith nowak
11/16/2024 19:21:35	My Family Household (i.e., Multiple Family Member 5896 Indian Summer Drive, Clarksville, MD 21029	River Hill	Maria	Gutierrez	Maria J. Gutierrez	5
11/16/2024 22:30:30	My Family Household (i.e., Multiple Family Member 6505 Early Lily Row 21044	River Hill	Nancy	Solowski	Nancy Solowski	4
11/16/2024 23:09:59	My Family Household (i.e., Multiple Family Member 12217 Ioka Ct Ellicott City, MD	Ellicott City near Clarks	Ellicott City near clarks	Morag	Weedlun	Morag Weedlun
11/16/2024 23:37:48	My Family Household (i.e., Multiple Family Member 22100 New Hampshire Ave Brookeville MD	15 mins away	Brookeville MD	Jordanna	McMillan	Jordanna McMillan
11/17/2024 6:10:52	My Family Household (i.e., Multiple Family Member 12183 Linden Linthicum Ln, Clarksville MD 21029	River Hill		Eric	Herzig	Eric Herzig
11/17/2024 7:45:28	My Family Household (i.e., Multiple Family Member 13419 Green Hill Court	Highland	Highland	Cecilia	Flike Jacobson	Cecilia Flike Jacobson
11/17/2024 14:18:47	My Self (i.e., Single Person Household or Just You 10600 Gorman Rd., Laurel, MD 20723	Hammond Village	Hammond Village	Ellen	Cooper	Ellen Cooper
11/17/2024 20:28:52	My Self (i.e., Single Person Household or Just You 7510 Sweet Hours Way, Columbia, MD	Kings Contrivance		Tammy	Eves	Tammy Eves
11/22/2024 0:20:55	My Self (i.e., Single Person Household or Just You 13419 Green Hill Court	Highland		Hilda	Flike Jacobson	Hilda Flike Jacobson
1/7/2025 16:53:47	My Family Household (i.e., Multiple Family Member 5672 April Journey	Dorsey's Search		Steven	Salsburg	Steven Salsburg
1/26/2025 5:56:57	My Family Household (i.e., Multiple Family Member 12309 Carol Dr	Fulton Manor	Fulton Manor	Tracy	Totaro	dtotaro@aol.com
2/7/2025 12:18:50	My Family Household (i.e., Multiple Family Member 5527 Suffield Court	Harper's Choice		Julia	Lawrence	Julia Lawrence
2/7/2025 13:46:11	My Family Household (i.e., Multiple Family Member 6006 Jerrys Drive	Hickory Ridge		Susan Keach	Sweeney	Susan Keach Sweeney
2/9/2025 8:38:37	My Family Household (i.e., Multiple Family Member 10450 waterfowl ter	Wild Lake		MARCIE	WEIL	MARCIE WEIL
2/9/2025 11:48:39	My Self (i.e., Single Person Household or Just You 10478 Waterfowl Terrace, Columbia MD 21044	Wild Lake		Alex	Memory	Alex Memory
2/9/2025 16:21:58	My Family Household (i.e., Multiple Family Member 5801 Clipper Ln Unit 204	River Hill		Brian	Grodsky	Brian Grodsky
2/9/2025 18:38:21	My Family Household (i.e., Multiple Family Member 6784 Athol Ave	Hardwood park	Elkridge MD	Heidi	Hughes	Heidi Hughes
2/9/2025 23:17:13	My Family Household (i.e., Multiple Family Member 5288 Golden Sky Court. Columbia, MD 21045	Glenmont	Off 108 between Thunc	Marjorie	Steiner	Marjorie Steiner
2/12/2025 15:13:57	My Family Household (i.e., Multiple Family Member 11741 Farside Rd	Farside	Farside	Debbie	Counts	Debra Counts
2/12/2025 19:10:17	My Family Household (i.e., Multiple Family Member 5054 Durham Rd West, Columbia 21044	Harper's Choice		Sarah	Cooke	Sarah Cooke
2/13/2025 10:24:34	My Family Household (i.e., Multiple Family Member 11837 Linden Chapel Road	Chapel Woods		Alexandra	Aleshin-Guendel	Alexandra Aleshin-Guendel
2/13/2025 10:32:44	My Family Household (i.e., Multiple Family Member 6629 Whitegate Rd, Clarksville	Clarksville Ridge	Clarksville Ridge	Lucie	Low	Lucie Low
2/13/2025 14:11:29	My Family Household (i.e., Multiple Family Member 7901 Olive Branch Lane, Laurel, MD 20723	Wellington Farms	Wellington Farms	Jessica	Raimondi	Jessica Raimondi
2/13/2025 21:03:15	My Family Household (i.e., Multiple Family Member 6469 River RunColumbia, MD	River Hill		Gary	Mousigian	Gary Mousigian
2/13/2025 21:10:50	My Family Household (i.e., Multiple Family Member 9317 Angelina Circle	Owen Brown		Mara	Lueking	Mara Lueking
2/15/2025 10:59:51	My Family Household (i.e., Multiple Family Member 10296 Shaker Dr.	Kings Contrivance		Sharon	McRae	Sharon McRae
2/16/2025 13:58:42	My Family Household (i.e., Multiple Family Member 7948 Lawndale Circle	Cedar Creek		Shamieka	Preston	Shamieka Preston
2/17/2025 14:29:11	My Family Household (i.e., Multiple Family Member 6117 Trackless Sea Ct. Clarksville, MD 21029	River Hill		Stephanie	Lavner	Stephanie Lavner
2/17/2025 19:14:09	My Family Household (i.e., Multiple Family Member 6514 Carlinda Ave. Columbia, MD 21046	Allview Estates		Art	Gamzon	Art and Nancy Gamzon
2/17/2025 21:58:30	My Family Household (i.e., Multiple Family Member 5537 Green Mountain Circle #6Columbia, MD 21044	Wild Lake	Wilde Lake	Diane	Vaughan	Diane Vaughan
2/18/2025 9:14:20	My Family Household (i.e., Multiple Family Member 13518 Allnutt Lane Highland MD 20777	Allnutt Lane	Highland	Alyssa	Noonan	Alyssa Noonan
2/18/2025 11:01:38	My Family Household (i.e., Multiple Family Member 8104 Elsie's Way Laurel Md	Scaggsville		John	Noonan	John Noonan

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**From:** Rajvi Sukhadia <rajvi2303@gmail.com>  
**Sent:** Tuesday, February 18, 2025 6:11 PM  
**To:** CouncilMail  
**Subject:** Testimony for CB11-2025 Hearing

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

My name is Rajvi Sukhadia and I am a resident of the Cedar Creek community. I have lived here since 2022 and I strongly support CB11-2025. It is very important that our neighborhood continues to have clean air to breathe, and if Grace continues with their project, it will have a big impact on our air pollution, affecting the health of all our residents, including adults and children. Our community in Columbia, MD is one of the best places to live and this kind of project will also have a negative effect on real estate. This issue is a big concern for all of us so please pass CB11-2025. Thank you for your time.

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**From:** Rakhi Singh <rakhisingh08@gmail.com>  
**Sent:** Tuesday, February 18, 2025 9:07 PM  
**To:** CouncilDistrict1@howardcountymd.gov; CouncilDistrict2@howardcountymd.gov; CouncilDistrict3@howardcountymd.gov; CouncilDistrict4@howardcountymd.gov; CouncilDistrict5@howardcountymd.gov  
**Subject:** Fwd: I am for the CB11-2025 Bill (revised)

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

To Whom it May Concern,

Please find below a copy of my testimony in support for CB11-2025 Bill:

Thank you for the opportunity to testify. My name is Rakhi Singh. I am a resident of Cedar Creek Community. My husband and I bought our first home in this neighborhood and moved here when our daughter was just 6 months old. Before moving to this community, I thought I had done my research and besides just relying on the builder's word, I called Grace twice and spoke to individuals who stated that the location near our neighborhood was just an office building and did not conduct any research. Sadly, I was misled. Grace began this pilot project right after all the homes were built in the neighborhood. It was obviously planned from the beginning.

This research project should not be conducted near neighborhoods, where hundreds of families reside. It will affect the health of hundreds of people long term.

A few weeks ago on February 8<sup>th</sup>, I had the opportunity to speak to residents at the Robinson Overlook Community. It is located on the opposite side of the Grace. WR Grace is directly between my community and Robinson Overlook.

The Robinson Overlook community was built recently in 2021. It is an affordable housing community, which is part of the Section 811 Project Rental Assistance Program.

Robinson Overlook is a family community and defined by HUD (US Dept of Housing and Urban Development), it includes elderly families, families with children, displaced families, and families that have a person with disabilities.

My husband and I knocked on every door in this community. We spoke to multiple people living there.

Many of those community members have multiple medical conditions and some were disabled. I am a physician and so I was able to easily assess the multiple comorbidities in many of these individuals who will surely be affected by this project.

This entire neighborhood that is located on the other side of Grace was uninformed of the harmful research project proposed by their neighboring building. This is truly disappointing to say the least. The people of this county are offered fair housing, only to be placed in potential harm by a company located on the same street.

If necessary and if this project goes through, I would be able to afford to move. Unfortunately, this would not be the case for our neighbors in the Robinson Overlook Community.

I am pleading with the county council to please support CB11-2025.

Thanking you,  
Rakhi Singh

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**From:** Sharon Boies <sbmuzicmts@gmail.com>  
**Sent:** Tuesday, February 18, 2025 4:38 PM  
**To:** CouncilMail  
**Cc:** Walsh, Elizabeth; Jung, Debra; Jones, Opel; Rigby, Christiana; Yungmann, David; Williams, China; Royalty, Wendy; Goldscher, Paige  
**Subject:** CB11 2025 ZRA 211 Public Comment in support  
**Attachments:** CB 11 2025 Public comment.docx

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Good afternoon,  
Attached please find my public comment in support of CB 11 2025.

Thank you very much in advance for putting the health of citizens first.  
Could you please acknowledge receipt of this email? Thank you.

Very Sincerely,  
Sharon Boies

not for print - 5226 Paul Revere Ride  
Columbia, MD 21044  
410-730-5898

February 18, 2025

RE: CB 11 2025

ZRA 211

Position – Support the addition but eliminate the chemical recycling project

Dear Members of the Howard County Council,

Thank you for this opportunity to comment on CB11 2025.

After attending the informational meeting and public hearing held by MDE in the spring of 2024, and a review of the questions raised by the public and the answers provided thus far, I have even more concerns about the WR Grace proposed plastic pilot project than before.

There is no doubt about the tremendous negative impacts associated with plastic products, from their production and harmful contents, to where even just a single piece of plastic winds up, waiting for time and the elements to break it down into countless bits, with so many of these bits ending up in our waterways and sources of clean drinking water. We know these bits never really go away; they just go elsewhere. Microplastics are even known to be in our bodies.

When we hear that there could be more “air pollutants” and greenhouse gases from plastic waste intentionally being added to the air and the environment, and for an unlimited amount of time, it’s concerning. During this time of record-breaking heat and our state bearing witness to the impacts of climate change and global warming, it seems that any intentional increase in greenhouse gases and pollutants adding to this, would be very counterproductive, counterintuitive, and bad for the citizens’ health.

“Pellets” made from used plastic water bottles and other recyclables, meat trays, packaging, medical trash, PVC pipes, containers for fluids, coating for cables, Styrofoam peanuts, and egg cartons, just to name some of the materials that are produced from the various types of plastics described in the proposal, do not sound like something that we should be importing into

our county and we certainly shouldn't be incinerating them. I want to remind everyone that we live here. I was taught as a very small child that we should never burn plastic materials.

Pro Publica published an article that describes the toll that PFAS and other related chemicals have had on our bodies and in the environment.

<https://www.propublica.org/article/3m-forever-chemicals-pfas-pfos-inside-story>

These chemicals were produced for decades while research on their impact was performed, after they were created and sold.

I'm concerned about the consequences of the process of breaking these materials down or melting them, and then the disposal of their by-products and waste products, and what the permanent impacts on human health and the environment are or could be over time.

I don't know why our county would let anyone perform these experiments here in Howard County and very near where thousands of people live? W.R. Grace seemed to indicate it was for their convenience. But given the concerns of the community, why not at a superfund site, a beverage bottling facility, or a plastics manufacturer?

I have many concerns about this proposed activity including if successful, would the hope for W.R. Grace be to have a processing facility here in Howard County?

Information provided says a final by-product will be vented to the atmosphere, and the separated condensed liquid will be collected and transferred daily, to 55-gal drums in the warehouse, and ultimately shipped to a 3rd party waste treatment facility.

What if the pellets being transported to the facility, or waste being hauled away is involved in an accident? Would a hazmat team be required for clean up? How big are the pellets?

Are the by-products hazardous materials?

What would be the expected environmental harm if this were to occur?

How would any of this be removed from a waterway?



Will there be any wastewater involved in any step of the process and if so, what is the process for its treatment and disposal?

We've learned similar projects in other places have exploded, causing fires. This could cause a huge toxic release over our community.

What are the known cumulative impacts from these emissions on human health and the environment, including our drinking water and the air we breathe?

Would MDE have the authority to shut the project down if it were determined to be a threat to human health and the environment in the future?

A new NASA air pollution monitoring tool shows that Howard County has some of the most polluted air in Maryland.

Link to the NASA air pollution monitoring tool -

<https://www.nasa.gov/news-release/nasa-shares-first-images-from-us-pollution-monitoring-instrument/>

How much of an impact will this project have on our air quality and our health?

I encourage the council to support the addition but restrict the activities permitted at W.R. Grace to ensure that county citizens' health and our environment will not suffer any negative impacts from the proposed pilot project. This must be excluded from permitted activities.

Thanks again for this opportunity. Please remember that we live here and that many people have full-time jobs. Just because you don't hear from them doesn't necessarily mean they don't have concerns, but most people believe that Howard County is looking out for our environment and our health.

Thank you for your consideration of our health and our environmental concerns.

Very Truly Yours,  
Sharon Boies  
Columbia, MD

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**From:** S VanWey <svanwey444@gmail.com>  
**Sent:** Tuesday, February 18, 2025 3:28 PM  
**To:** CouncilMail  
**Subject:** Filtration for CB-11, ZRA

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Dear Coucil Member,

As stated in the CB-11, ZRA, the production of volatile organic compounds (VOC's) cause cancer, as well as the chemicals spewed by incinerators, boilers, and generators all combine to harm air quality to citizens. These chemicals cause cancers not only in the PEC zoning district, but in any district in Howard County. The county council should require all companies (business's) to purchase air filters, EPA approved, that will be monitored for replacement at regular intervals. These filters should be of proper size to meet industry standards for~ clean and safe air quality. Proper filtration should spare no expense to provide safe air quality. If the company or business feels it can not provide safe filtration then the county council should not permit anything less.

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**From:** aamina.alizai@gmail.com  
**Sent:** Wednesday, February 19, 2025 7:37 AM  
**To:** CouncilMail  
**Cc:** Aamina Alizai  
**Subject:** Very concerned about Graces plastic project

**Follow Up Flag:** Flag for follow up  
**Flag Status:** Flagged

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

To whom it may concern,

I am writing to express my deep concern about the proposed plastic burning project that Grace plans to implement. As you know, plastic combustion releases harmful toxins that pose serious health risks, including an increased risk of cancer. The Cedar Creek neighborhood, just 70 meters away, would be directly impacted, but the effects will extend much further, I live three miles away, and I share the same concerns as those living closer.

This project threatens the well-being of all nearby residents, and I urge you to take action to prevent it. I strongly support Bill CB11-2025 and ask that you do everything in your power to stop this harmful project from moving forward.

Please let me know how you plan to address this issue and what I can do to help. I appreciate your time and leadership in protecting our community.

Sincerely,

Aamina Alizai

Sent from my iPhone

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**From:** Arundati Kharel Sigdel <arunakharel@hotmail.com>  
**Sent:** Wednesday, February 19, 2025 1:43 PM  
**To:** CouncilMail  
**Subject:** Testimony for 2/19

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

I am Arundati sigdel lives in cedar creek. I am mom of 7 years and 15 years old children.

By profession, I am the owner of a dental practice in Dundalk, MD. I have seen many residual effects of employees who worked at the Bethlehem and Thompson steel factories in the area. I have heard stories about them developing different types of cancer, such as prostate, lung cancer and more. These conditions were treated, but remission occurred again.

I'm here to support our community and CB11-2025, and I request the board to advocate for a safe environment. There are many consequences of air pollutants for surrounding residents and people who work for the company. Anyone can get diseases like cancer, regardless of whether they live in Cedar Creek and surrounding areas or work in Grace.

My dad, an environmental specialist and engineer who worked on various projects, from construction inspection to others, passed away from brain cancer at the age of 70 in April 2024, diagnosed in December 2023. The neurosurgeon told me that finding the cause would earn a Nobel Prize.

I want to emphasize the importance of clean air and the pain of seeing loved ones suffer. My dad is an example of an employee who may have inhaled many byproducts despite all the precautions he

When my dad was in home hospice, I always looked out from my window, facing Grace, and prayed that nobody should have to face what my health-concerned dad had to go through, and the pain our family went through.

I always prayed, looking through the window, that someone needed to help us, and here we are now; God sent angels to save us from these demon plastic pollutants. You board member have all the power to make right decision by supporting CB11-2025.

Grace has not presented any plan or strategy in their presentation on solid waste removal. The process produces a lot of char (solid waste) that is usually dumped in landfills, which will definitely contaminate water quality.

Many negative aspects are buried in tables in their MDE application: 1 Up to nine drums of fuel will be handled and warehoused. 2 Six different polymers will be tested, but emissions are listed for only one. 3 What

they repeatedly call an oxidizer is actually an incinerator. 4 The catalyst regenerator generates toxic solid waste that can harm the soil.

We have many kids in our community, so let's not expose them to harmful air pollutants because of the mistake of allowing Grace to install a plastic-burning plant in the heart of Howard County. Let's unite and fight for clean air and sleep without hesitation about what will happen tomorrow. I am full faith on all of you to accept CB11-2025.

Thanks,

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**From:** Ellen Sowry <ellenbsowry@yahoo.com>  
**Sent:** Wednesday, February 19, 2025 3:16 PM  
**To:** Yungmann, David; CouncilMail  
**Subject:** Support for CB-11-2025

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Dear Mr. Yungmann and all county council members-

I am writing to you as a concerned resident of Dayton. As you are aware, W.R. Grace & Co., a chemical company, has submitted a permit to Maryland Department of Environment (MDE) to burn plastic in Howard County approximately 70 meters from residential neighborhoods. This will result in forever chemicals (PFAS, PFOS, etc.), carcinogens (benzene, ethanol, etc.), carbon monoxide, and increased carbon dioxide in our air. We need to work to keep Howard County safe and free of toxic chemicals! Baltimore City is suing W.R. Grace for their plastic misuse and we need to ensure Howard County protects their residents from harm as well.

I strongly support the ZRA CB11-2025 as it would not allow Grace to burn plastics so close to residential areas.

Thank you so much for your time and consideration!

Ellen Sowry  
5008 Green Bridge Rd  
Dayton, MD 21036

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**From:** Geoff Carton <glcarton@gmail.com>  
**Sent:** Wednesday, February 19, 2025 12:05 PM  
**To:** CouncilMail  
**Subject:** Testimony on BILL NO. 11 – 2025 (ZRA – 211)  
**Attachments:** Testamony 11 – 2025 (ZRA – 211) .pdf

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Attached is an electronic version of my testimony from last night. I have added notations, and corrected a calculation I provided. Thank you for the opportunity to offer my opinion.

Geoff Cartion

Geoff Carton, Clarksville

Having heard the testimony tonight, I do not envy the council in making this decision. It is good to live in a community that values civil discourse. I should mention that I have no professional relationship with W.R. Grace, but I do know some members of their staff.

Since 1995, I have been a down winder living about 1.3 miles west of Grace, in the direction of the predominant prevailing winds. The dialogue we are having tonight is important and I respect the concerns of the community, and there were a number of good technical points made. I do share their disappointment with the lack of advance communications from W.R. Grace. Considering the community concerns related to the Grace Permit is important, however, I have looked closely at the permit and offer a different perspective than most of the speakers. Although I am not an air pollution expert, I have several decades of experience with hazardous waste sites and their related risk assessment issues.

First, the proposed research addresses the problem of plastic waste. I am appalled when I open my trash can and see the amount of plastic there. The United States generates an average of 287 pounds of plastic waste per person each year, but we are only recycling about six percent of our plastic waste. The implications are wide ranging and affect communities across the globe.

Evaluating risk is complex, with many factors considered and significant uncertainties related to toxicity (e.g., interpreting rodent toxicity data and applying to humans). These uncertainties are addressed by applying safety factors, which lower the values, providing a safety buffer. The risks for carcinogens are based on a lifetime exposure of an individual to a given concentration over 70 years. The numbers provided can be difficult to interpret, and based on the comments tonight, it is clear that the Maryland air permit form is also causing confusion. However, the values provided in the permit application<sup>1</sup> are well within the allowable limits under the Code of Maryland Regulations (COMAR). If the COMAR is deemed insufficient, revising it would be more sensible than creating regulations targeting a single source.

I have reviewed the permit application and other materials and do not believe this project poses a threat to our community. Microplastic pollution is a significant issue, and developing a plastic-agnostic recycling process would be a game-changer. The project complies with state and federal regulations.

The process will emit about 54.5 pounds of volatile organic compounds (VOCs) per year, with 1,3-butadiene being the only hazardous/toxic air pollutant that is not below the small quantity exemption. The annual emission is estimated at about 2.4 ounces (0.147 pounds), this is 1.4%

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<sup>1</sup> Permit package Attachment 6, TAP Compliance, Table 4. TAP Demonstration Screening Analysis



the state allowable emission rate.<sup>2</sup> Other sources of 1,3-butadiene include vehicle exhaust, manufacturing facilities, and cigarette smoke.

A car with a catalytic converter generates about 2.1 mg of 1,3-butadiene per km driven.<sup>3</sup> The annual emissions from this project are equivalent to driving a car about 20,000 miles<sup>4</sup>. The daily traffic volume for Route 32 in this area is between 49,000 and 58,000 vehicles<sup>5</sup> and generates more 1,3-butadiene emissions daily than this project will in a year. If the concern is really these emission, is the Council willing to look at how to reduce traffic on 32?

We must balance risk and reward, and based on my review, I see no appreciable adverse impacts from this project. If the council passes the proposed zoning legislation, it suggests that the regulations for air permitting in areas like Baltimore City, Edgewood, and Cumberland are not adequately protective, or that the risks in Howard County are somehow different. I believe no community is more special than any other, and regulations should be applied evenhandedly. If the council believes air permitting regulations are insufficiently protective, the issue should be addressed by the state body responsible for air protection, or the council should start evaluating each air permit issued in the county to ensure its rules are not arbitrary and capricious.

We live in an industrial society with benefits and costs. This project is well within safety limits and is of limited size. As a citizen and neighbor, I should support efforts to reduce environmental impacts, and I support Grace's efforts based on my review.

Emissions estimate

$$\frac{2.1 \text{ mg}}{1 \text{ Km}} \times \frac{1.6 \text{ Km}}{1 \text{ Mi}} = \frac{3.36 \text{ mg}}{1 \text{ Mi}}$$

$$\frac{0.147 \text{ Lbs}}{1 \text{ yr}} \times \frac{454,000 \text{ mg}}{1 \text{ Lb}} = \frac{66,378 \text{ mg}}{1 \text{ Yr}} \text{ emitted}$$

$$66,378 \text{ mg} \times \frac{1 \text{ Mi}}{3.36 \text{ mg}} = 19,863 \text{ Mi}$$

from vehicles equals yearly emissions of 1,3-butadiene stated in permit

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<sup>2</sup> Permit package Attachment 6, TAP Compliance, Table 4. TAP Demonstration Screening Analysis  
. There will be an estimated 0.147 pounds of 1,3-butadiene emitted per year and the state AER is 10.949 pounds per year.

<sup>3</sup> Emission of 1,3-butadiene from petrol-driven motor vehicles. Atmospheric Environment Vol 31(8), April 1997, Pages 1157-1165 <https://www.sciencedirect.com/science/article/abs/pii/S1352231096003081#preview-section-abstract> Even allowing for a doubling of mpg for vehicles there is still about the same amount emitted on 32 each day as emitted by the pilot plant each year.

<sup>4</sup> See calculations at end. Corrected from oral testimony.

<sup>5</sup> [https://www.roads.maryland.gov/Traffic\\_Volume\\_Maps/Howard.pdf](https://www.roads.maryland.gov/Traffic_Volume_Maps/Howard.pdf)

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**From:** Karen Jung <karen\_0120@yahoo.com>  
**Sent:** Wednesday, February 19, 2025 3:50 PM  
**To:** CouncilMail; Jung, Debra  
**Cc:** Hailyn Jung; Jung Frannie  
**Subject:** Testimony for CB 11-2025

**Follow Up Flag:** Follow up  
**Flag Status:** Completed

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Hello. We are hoping to have 14-yo to testify tonight. She had conflicting schedule and could not attend yesterday's session but now it is extended to today, she was excited to write a testimony last night. She stayed up over midnight to draft below message to you. Please allow her to testify today. We will bring a hard copy of below testimony just in case.

Thank you.

=====

Imagine waking up every day knowing that the air you are breathing in is slowly killing you. This is the reality we have to face if Grace proceeds with their plan to operate a pilot recycling plant and release toxic chemicals in the air, 16 hours a day!!!

Hello, My name is Hailyn Jung. I live in the Cedar Creek community and I am currently a 9th grader at River Hill High School. I strongly support CB11-2025. I am here today with my family and neighbors to protect the health and safety of our community as well as other communities around us.

The chemical company, W.R. Grace, has posed many health concerns toward the community. They confirmed that they will be releasing volatile(vol-little)organic chemicals, Carbon monoxide, and more. It does not matter how small or big the release may be. With constant exposure and inhalation to these hazardous chemicals, it increases the risks of contracting many diseases, such as lung cancer, asthma, and can even lead to neurological disorders.

According to the State of Global Air, prolonged exposure to these chemicals result in high mortality rates and also shorten a person's life expectancy by at least 1.8 years! Despite many health concerns, Grace employees state that they are not worried about the program contaminating the air. In fact, one Grace employee testified yesterday that she was not worried about the project at all and felt safe for her own daughter. However, her stated neighborhood is at least 6 miles away from Grace, not 70-meters like US. The risk we have to experience is obviously far greater than her situation. The pollution will directly impact the elderly, children, and all of us in the Cedar Creek as well as surrounding neighbors like the Village of Riverhill and Robinson Outlook. WE will have to face the potential health impacts every day and continue to live in fear.

~Why do WE need to face the negative health consequences caused by the actions that Grace takes?  
~Why do WE need to be exposed to these contaminated emissions?  
~Why do WE need to risk our health because corporations value financial benefit over health and the well being of residents?

Additionally, as a student athlete who loves to run, I am now fearful to run outside breathing toxic air pollutants in my own neighborhood.

Our neighborhood was promised to be a nature friendly community, near the Robinson Nature Center, where we could freely take walks, play outside, ride a bike, or participate in other outdoor activities. Now, I am fearful of doing all these activities I love. The chemical giant is trying to take away our basic happiness from us.

I am here today to urge the council members to vote FOR CB11-2025 to keep Columbia the best place to live in, and keep us children playing outside without the fear of getting sick.

YOU have the power to make the difference, and to keep our community safe. THANK YOU.

---

**From:** Kevin B <klbruening@gmail.com>  
**Sent:** Wednesday, February 19, 2025 7:46 PM  
**To:** CouncilDistrict1@howardcountymd.gov; CouncilDistrict3@howardcountymd.gov; CouncilDistrict2@howardcountymd.gov; CouncilDistrict4@howardcountymd.gov; councildistrict5@howardcountymd.com; Anderson, Isaiah  
**Subject:** Testimony Regarding CB11-2025  
**Attachments:** 2.19.2025 - Howard County Council Testimony - Kevin Bruening.pdf

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Please find my testimony attached.

Kevin Bruening  
Columbia, Maryland

Testimony for February 19, 2025

CB11-2025

Hello members of the County Council.

My name is Kevin Bruening and I live in Pointer Runs section of River Hill. to be clear I am speaking for myself as an individual this evening and not of behalf of the **RHCA** or my employer.

I think this matter of controversy points to a crossroads for Howard County. Living in River Hill I have heard both sides. People initially pointed out to me that a number of employees of Grace live in River Hill and in effect this is their life's work. Also, a number of people knowing about the matter approached me in support of the research Grace is doing.

On the other side, I saw flyers distributed across my neighborhood with pictures of an open pit burning plastic and saying that carbon dioxide causes cancer. Concerned community members wanted to sound the alert. In August, I helped to draft comments to MDE that represent some of these concerns.

The crossroads is a zoning issue. My final take is that - in a rush to approve development, environmental issues are being brushed aside, like many of the community's comments over the last few days, the Scott property in River Hill is another prime example – where a developer will drain a pond, a pond where middle-schoolers use it as a real lab to learn

about environmental science. If you vote in favor of this ZRA you should do two other things,

- 1) Considering amending this ZRA, or, in comprehensive zoning reform, or possibly APFO, require developers to complete an extensive environmental study that covers air, water and soil pollution. This study should not exclude the amount of carbon absorption lost by cutting down trees and the increase in benzene from gas furnaces, power plant generation, and vehicles. If the development is subsequently allowed to move forward, this information should be required to be included in the sales material and/or contract. Residents of the county as evidenced by the last two nights are asking for higher standards.
- 2) Identify what type of economic development you want in Howard County and incentivize it. Howard County residents are very highly educated and show success, and are looking for opportunities to make the world better. Support R&D that will do just that.

To close, I will say: Howard County's population has nearly doubled in the last 35 years. You know that there is very little developable land left. Where Grace is located was a rural area 35 years ago, today it is next to a growing city. These two interests are in conflict and I think this ZRA set boundaries so that residents can feel confident about where we live.

Kevin Bruening

River Hill

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**From:** Lisa Krausz <lisalkrausz@gmail.com>  
**Sent:** Wednesday, February 19, 2025 4:19 PM  
**To:** CouncilMail; CouncilDistrict1@howardcountymd.gov; CouncilDistrict2@howardcountymd.gov; CouncilDistrict3@howardcountymd.gov; Rigby, Christiana; Jung, Debra; CouncilDistrict4@howardcountymd.gov; Yungmann, David; CouncilDistrict5@howardcountymd.gov  
**Subject:** Re: Testimony In Support of CB11-2205  
**Attachments:** CB-11 2025 ZRA Testimony 2-19-25.docx

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Greetings,

I am giving my testimony tonight, and I have updated what I will be saying given that I would like to add something new to the discussion. The updated version of my testimony is attached. Again, I will also be passing Councilmembers copies of our online petition signatures tonight.

Thank you,  
Lisa Krausz  
Volunteer for the Stop Grace Project

On Tue, Feb 18, 2025 at 12:11 PM Lisa Krausz <[lisalkrausz@gmail.com](mailto:lisalkrausz@gmail.com)> wrote:  
Greetings,

I am attaching an UPDATED version of the Stop W.R. Grace Online Petition signatures (see original email below), which now also has the ***language of the petition*** pasted at the top of the Excel document. It also has page numbers and a heading now. You can also find the language of the online petition itself on the Stop Grace Project website: <https://stopgraceplasticpermit.my.canva.site/> I am also reattaching my testimony as well.

There are a total of 716 signatures on this petition. Of those 716, there are 24 that were collected in early August 2024 and do not have the names (of the people who signed) written in the record because of how the Petition, which is a Google Form, was then collecting information. The Stop Grace Project realized this in mid-August and adjusted the Google Form to ensure that first and last names were being captured. We can, if need be, contact those households and figure out their names; we also have phone numbers for many of these households. We do have emails for each of the signers, which we are not sharing, as well as phone numbers for many of them.

***Please note that the number of signatures grows everyday.***

Please let me know if you have any questions.

I will bring copies of my testimony as well as the petition tonight.

Thank you,  
Lisa Krausz  
Volunteer, The Stop Grace Project

On Mon, Feb 17, 2025 at 3:32 PM Lisa Krausz <[lisalkrausz@gmail.com](mailto:lisalkrausz@gmail.com)> wrote:

Dear Councilmembers,

Please find my testimony in support of CB11-2025 pasted and attached below.

I am also attaching the 717 signatures from The Stop Grace Project online petition in an Excel file. This petition can be found online on our website at [stopgraceplasticpermit.my.canva.site](http://stopgraceplasticpermit.my.canva.site)

These signatures have also been submitted by Shamioka Preston, however, these names represent the most accumulations of signatures as it was captured today. Shameika's data was captured a few days ago.

The list of petition signatures is growing day by day.

We encourage you to take bold action on this issue. Howard County residents have YOUR back!!

Thank you,

Lisa Krausz

Stop Grace Volunteer

## **Testimony of Lisa Krausz**

### **In Support of ZRA CB11-2025**

My name is Lisa Krausz. I am a resident of River Hill Village, and I also suffer from a reactive pulmonary condition which limits my mobility and health. I have served as PTSA President for my kids' high school, and also served at the county level promoting parent ed programs, and I have a parent education practice. I care deeply about the welling being and health of children and adults in our River Hill Village community and in Howard County.

Like many of us speaking out tonight, I am gravely concerned about W.R. Graces proposed plans. I think this plan is insane and doesn't belong located next to and in the middle of residential communities.

I can tell you that I and a lot of people opposed to this plan to do not believe that this project is safe or that the health impacts are negligible. We are NOT reassured by W.R. Grace's reassurances. You have heard already that this project, if the permit is approved by the Maryland Dept. of the Environment, **will run for 16 hours a day, every day of the week, every day of the year.**



We know that even small amounts of chemical exposures can have deleterious impacts on children's health. Do you know how many children live in Cedar Creek, in River Hill, in Columbia, in Howard County? In Cedar Creek alone it's over 150 kids alone. Couples move to Columbia and Howard County to raise their families. River Hill, where I live, is packed with families and children.

Pulmonologists, pediatricians, oncologists, and environmental toxicologists, among others, know that this facility will negatively impact the health and safety of the residents living around and near it. And this doesn't even mention the risks posed by fires and leaks, very real possibilities, as the equipment used in these processes is prone to fires and the byproducts produced can be quite toxic themselves.

How are we going to let a polluting facility comfortably plant itself in our midst?

We need Howard County Council members to stand up and take bold action to stop this proposed polluting facility. I want to let you know that Howard County residents have your back on this issue.

I volunteer for the Stop Grace Plastic Project, and currently, ***we have over 717 signatures opposing this project.*** These signatures represent households in Cedar Creek, River Hill, King's Contrivance, and Hickory Ridge and beyond the borders of Columbia Villages to include residents all over Howard County. Over 50% of these signatures represent households of 4 or more people, and within that number 15% represent households of 5 or more and it goes up from there. This petition has been submitted by the Shameika Preston to the County Council on behalf of the groups working to halt this polluting project. I have also sent an Excel attachment of the names and addresses (along with household info) of this petition with my written testimony to the Council.

Be bold. Do the right thing and support the health and well-being of Howard County residents over the convenience of W.R. Grace employees by passing CB-11-2025.

---

**From:** Mihir Patel <mihirpatel14@gmail.com>  
**Sent:** Wednesday, February 19, 2025 6:28 PM  
**To:** CouncilMail  
**Subject:** Re: Testimony for CB11-2025 Hearing

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Hi there,

I will be testifying in person today, please see below for my modified testimony.

My name is Mihir Patel and I live in the Cedar Creek community. I moved here in 2022 and live with my wife and parents. I support CB11-2025 because of several concerns for my family, our community and its residents, primarily related to the effects of burning these kinds of plastics and the toxic gases that are released. I work as an engineer at NASA Goddard Space Flight Center and recognize the importance of groundbreaking research and new innovations. But when there is a risk associated with that research of harming human health, then it needs to be reconsidered. If we look at a company like Dow Chemical, which has done similar projects in the past, they have prioritized establishing larger buffer zones between their sites and nearby communities in order to lower the risk of public harm. This is something that Grace should also implement in their plans before moving forward with building their next site so close to the Cedar Creek community. Therefore I urge you to pass CB11-2025. Thank you for your time.

On Wed, Feb 19, 2025 at 8:00 AM Jung, Debra <[djung@howardcountymd.gov](mailto:djung@howardcountymd.gov)> wrote:

Hello Mihir,

Thank you for your advocacy. As the Council Member who filed this bill, I am in full support of its passage.

Deb Jung  
Councilmember, District 4  
3430 Court House Dr., Ellicott City, MD 21043  
(410) 313-2001

Sign-up for Deb's District Update [here](#).

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**From:** Mihir Patel <[mihirpatel14@gmail.com](mailto:mihirpatel14@gmail.com)>  
**Sent:** Tuesday, February 18, 2025 5:42 PM  
**To:** CouncilMail <[CouncilMail@howardcountymd.gov](mailto:CouncilMail@howardcountymd.gov)>  
**Subject:** Testimony for CB11-2025 Hearing

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

My name is Mihir Patel and I live in the Cedar Creek community. I moved here in 2022 and live with my wife and parents. I support CB11-2025 because of several concerns for my family, our community and its residents, primarily related to the effects of burning these kinds of plastics and the toxic gases that are released. They can have a very harmful effect on our health considering how close our neighborhood is to the Grace campus. There are lots of children in our community who play outside and also many of us who spend time outside as well, and I strongly believe that these emissions would negatively affect us. Therefore I urge you to pass CB11-2025. Thank you for your time.

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**From:** Michael Ruddock <mikeruddock@gmail.com>  
**Sent:** Wednesday, February 19, 2025 7:49 PM  
**To:** CouncilMail  
**Subject:** Updated testimony

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Hello - Here is an updated version of my testimony.

Thank you,  
Mike Ruddock

## **Public Testimony in Support of CB11-2025**

Howard County Council Hearing – February 2025

Good evening,

My name is Mike Ruddock, I live in Cedar Creek and I am here today to voice my strong support for CB11-2025.

Cedar Creek is a large community with 184 homes and approximately 750 residents, with about 200 children, and many residences housing multigenerational families. In total, the community contributes an estimated \$3.5M annually to Howard County in tax revenue. In addition to our tax contributions, we support local businesses, work and volunteer in the community and contribute to the diversity that Howard County is known for.

I care deeply about the health and wellbeing of my family, my neighbors, and the future of our community. But I'm also here to speak directly to the WR Grace employees who have been directed to testify today.

I work in healthcare, and in my organization, we operate under the principles of being a High Reliability Organization. That means we are committed, above all else, to achieving zero harm to our patients. Every decision we make—every policy we put in place—is viewed through that

lens: will this lead to harm? And if it might, we stop, we question, and we adjust. Because lives are at stake.

I imagine that WR Grace likely considers itself a High Reliability Organization as well. You operate in a complex environment with high stakes. You know the importance of avoiding catastrophic failures. You know that when you overlook small risks, they can become big ones. You know that safety must be more than a corporate talking point—it must be the foundation of everything you do.

That is why I am asking you to think carefully about what's being proposed here. You may not live near this facility, but those of us who do will bear the consequences of your decisions. The health risks are real.

WR Grace's public relations team talks about transparency. They've built a webpage, created infographics, and published collateral — all after the fact. That's not transparency; that's damage control.

True transparency, the kind that aligns with your own corporate value of integrity, means involving the community from the start. It means listening before acting. It means prioritizing the health and safety of those impacted — just as we prioritize the safety of our patients in healthcare.

I am not here to oppose business growth or innovation, but I believe it must be balanced with the rights and health of residents. CB11-2025 is a necessary step toward ensuring that WR Grace and other organizations cannot quietly expand their research activities without due consideration of the residential communities they now border, and in this case, on land WR Grace once owned and sold to a residential developer.

So, I'm asking you as fellow professionals who understand the gravity of risk and the importance of safety to think about your role today and to put yourself in our shoes. You have the power to speak up. You have the power to question. You have the power to push for a company that truly lives up to its promise of being a good corporate citizen and an organization focused on zero harm.

Because doing the right thing doesn't always mean supporting every company decision. The best companies encourage their employees to

challenge them. Sometimes, doing the right thing means standing up and saying: We can do better. Our company can do better. Our community deserves better. Our neighbors need us.

Council, please vote in support of CB11-2025.

Thank you

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**From:** Mustafa Omarzad <mustafa.omarzad@gmail.com>  
**Sent:** Wednesday, February 19, 2025 11:10 PM  
**To:** councilmail@howardcounty.gov; CouncilDistrict5@howardcountymd.gov; CouncilDistrict3@howardcountymd.gov; Walsh, Elizabeth; Jones, Opel; Jung, Debra; crigby@howardcountymd.gov  
**Subject:** HCC Written Testimony in Support of CB 11-2025(ZRA-211)

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

To Whom It May Concern,

My name is Mustafa Omarzad. I am a resident of Cedar Creek submitting this written testimony in support of CB 11-2025(ZRA-211).

I am living with my wife and three kids 12, 9, and 7. Our house was built in 2021 in Cedar Creek community at 7511 Overview Terr Columbia, MD.

I fully support CB-11-2025 and strongly oppose W.R. Grace Pilot plastic recycling/ burning project. I am one of those residents within 70 meters of the W. R Grace facility located at 7500 Grace Drive. This close proximity puts families and especially children in harm's way to any potential hazardous toxins or other environmental hazards that might be emitted from W.R. Grace.

By having a plastic burning plant in an adjacent residential area, Grace will become one of the most dangerous places, posing life-threatening risks to our communities and residents in the vicinity.

Building a plastic-burning plant in a residential area can have profound negative impacts on the lives and hopes of our community, especially children. The release of toxic chemicals such as dioxins, furans, and heavy metals from burning plastic can lead to severe health issues, including respiratory problems, cardiovascular diseases, and even cancer. Children, with their developing immune systems and higher respiratory rates, are particularly vulnerable to these pollutants.

Grace brought Cedar Creek in as their neighbor. However, their financial benefit is their first priority, rather than ensuring the safety of the people living next door.

This trade-off between corporate profits and human welfare raises serious ethical concerns and calls for a reevaluation of priorities to ensure that economic gains do not come at the expense of people's health and hopes.

The presence of such a facility diminishes the quality of our residents in communities, leading to increased stress and anxiety about our health and the environment. Constant exposure to harmful emissions can result in chronic illnesses, reducing life expectancy and overall well-being.

My big concern is my children, growing up in such an environment can have long-term consequences on their physical and mental development. The fear and uncertainty about their health and future can affect their emotional well-being and academic performance. Moreover, the presence of a plastic-burning plant can undermine our community's hopes for a safe and healthy living environment, leading to a sense of helplessness and frustration.

I respectfully request and urge that you please pass this CB-11-2025 bill for these children who are the future of

Howard County .

Thank you for listening to the community and thanks for your time.

Sign,  
Mustafa Omarzad



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**From:** Rajvi Sukhadia <rajvi2303@gmail.com>  
**Sent:** Wednesday, February 19, 2025 6:21 PM  
**To:** CouncilMail  
**Subject:** Re: Testimony for CB11-2025 Hearing

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Hello,

I will be testifying in person today, please see below for my modified testimony.

My name is Rajvi Sukhadia and I am a resident of the Cedar Creek community. I have lived here since 2022 and I strongly support CB11-2025. As an architect, I am acutely aware of the significant impact that industrial developments can have on residential communities. The proposed project by Grace, situated alarmingly close to Cedar Creek and just 300 yards from my home, raises serious concerns regarding public health and environmental safety. Established best practices in suburban planning prioritize buffering residential areas from industrial pollution sources. For example, the competitor company Dow chemical elects to not even perform any harmful research next to sensitive sites like schools or neighborhoods. We are not against the research being performed by Grace. Instead, we want to make sure that their project is conducted a much safer distance from our neighborhood. Grace employees may feel safe with the proposal, but they do not live in our community which is just yards away from the site. Although Grace claims on their website that they are not incinerating plastics, the proposed facility does meet the definition of an incinerator as per the EPA. The fact is that this facility will produce emissions of harmful gases and compounds, which will then affect the air quality for our neighborhood due to its proximity. This issue is a big concern for all of us, so we request that this council to please pass CB11-2025. Thank you for your time.

On Wed, Feb 19, 2025 at 8:00 AM Jung, Debra <[djung@howardcountymd.gov](mailto:djung@howardcountymd.gov)> wrote:

Hello Rajvi,

Thank you for your advocacy. As the Council Member who filed this bill, I am in full support of its passage.

Deb Jung  
Councilmember, District 4  
3430 Court House Dr., Ellicott City, MD 21043  
(410) 313-2001

**Sign-up for Deb's District Update [here](#).**

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**From:** Rajvi Sukhadia <[rajvi2303@gmail.com](mailto:rajvi2303@gmail.com)>  
**Sent:** Tuesday, February 18, 2025 6:10 PM

**To:** CouncilMail <[CouncilMail@howardcountymd.gov](mailto:CouncilMail@howardcountymd.gov)>

**Subject:** Testimony for CB11-2025 Hearing

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

My name is Rajvi Sukhadia and I am a resident of the Cedar Creek community. I have lived here since 2022 and I strongly support CB11-2025. It is very important that our neighborhood continues to have clean air to breathe, and if Grace continues with their project, it will have a big impact on our air pollution, affecting the health of all our residents, including adults and children. Our community in Columbia, MD is one of the best places to live and this kind of project will also have a negative effect on real estate. This issue is a big concern for all of us so please pass CB11-2025. Thank you for your time.

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**From:** Sara Noonan <saracnoonan@gmail.com>  
**Sent:** Wednesday, February 19, 2025 11:49 PM  
**To:** CouncilMail; CouncilDistrict5@howardcountymd.gov; CouncilDistrict3@howardcountymd.gov; Walsh, Elizabeth; Jones, Opel; Jung, Debra; Rigby, Christiana  
**Subject:** Updated Testimony in Support of CB11-2025

**Follow Up Flag:** Flag for follow up  
**Flag Status:** Flagged

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Good evening Members of the County Council,

Thank you for your attention to this hot button issue and for taking the time to hear from us.

My name is Sara Morrell, I support CB11-2025, I am a resident of the Cedar Creek community and I live just 70 meters from WR Grace's proposed pilot project. Three months after moving in to our new home in 2023, my 4-month-old daughter was diagnosed with a rare interstitial lung disease. She required 24/7 supplemental oxygen and a feeding tube, as her lungs were severely damaged and could not fill with air properly. Today, she is 1.5 years old, has made some improvements but still requires supplemental oxygen to breathe like a normal child.

I chose to raise my daughter here, in this neighborhood, because I believed it would be a place where she could thrive, and alongside growing families. However, WR Grace's proposed project threatens not only my child's lung health, leading to increased morbidity and mortality but also the well-being of all children and families in our community. According to our pulmonologist at Johns Hopkins, the emissions from this proposed facility would likely exacerbate my daughter's lung disease. This is extremely concerning since the project is set to be an ongoing, 16-hour-per-day operation, five days a week, for years to come with no definitive end in sight.

Let me also address the troubling issue of WR Grace's claims of "green" initiatives. They have repeatedly dismissed community concerns, calling the public "misinformed" to undermine legitimate worries. But let's be clear: the proposed project is an incineration process, as labeled by the EPA and the MDE, which Grace refuses to admit. This process, under the guise of "advanced recycling", will release dangerous emissions and air pollutants into our neighborhood.

A 2021 reputable study published by the Journal of Hazardous Materials found that Hazards of a pilot-plant can be greater than those of a production plant, since pilot-plants are operated to test different process conditions, far from the optimized ones.

W.R. Grace promotes that this as a solution to plastic waste, yet it is clear that this process does not live up to the hype. Incineration uses more energy and has a worse overall environmental impact than virgin

plastic production. This is not about recycling; it's about burning petrochemicals in a new way, releasing carcinogens and neurotoxicants into our air.

What makes this even more troubling is that pyrolysis facilities, classified by the EPA as waste incinerators, are not required to report their emissions under the Toxics Release Inventory, making it difficult to assess THE TRUE risks they pose to the surrounding communities.

Grace has/will provide testimonies from a number of folks who are financially incentivized to claim this process is safe and environmentally friendly. Your task in deciding who is more credible is not an easy one, but I encourage you not to overcomplicate this. You don't need to take our word for it—Follow the science. Take 5 minutes of your day and run one Google search asking whether chemical recycling is safe or whether advanced recycling is good for the environment. You won't have to dig far to realize that this isn't a matter of opinion and there are no gray areas—the overwhelming consensus among the scientific community is entirely at odds with every claim Grace has made or asked its employees to make.

This is also not just an environmental issue—it is a zoning issue. WR Grace's facility is far too close to residential homes and protected forestland. This dangerous research project in does not belong here and the potential harm it could inflict on our families and children is too great to ignore. We urge the County Council to stand with us residents and stop this project. Protect our children, protect what makes Howard County so great, and protect the health of future generations.

Thank you for your time, we urge you to pass CB11-2025. We need your help now more than ever.

Sources:



FEBRUARY 2022  
06-12181-6

ISSUE BRIEF

## RECYCLING LIES:

### "CHEMICAL RECYCLING" OF PLASTIC IS JUST GREENWASHING INCINERATION

Plastic waste is everywhere in the modern world. An estimated 242 million metric tons of it is generated globally every year, polluting our cities and clogging the oceans, and the United States is one of the top generators.<sup>1</sup> However, America recycles only about 8.7 percent of its plastic waste.<sup>2</sup> This small percentage is recycled by mechanical means: sorted by type, cleaned, shredded, and then processed into plastic pellets used to generate new products. The other 90 percent or so is incinerated or landfilled or ends up in the environment.<sup>3</sup>

As public concern grows about mountains of plastic trash, the plastics industry is promoting technologies that it misleadingly calls "chemical recycling" (also known as advanced recycling, molecular recycling, and chemical conversion) and touts as a solution to the plastic crisis. But it is a false solution.



A bulldozer pushes a pile of waste, including plastic trash.

For more information, please contact:  
Nora Singh  
www.nrdc.org  
www@nrdc.org

www.nrdc.org  
www.facebook.com/NRDC.org  
www.twitter.com/NRDC

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sciencedirect.com



Sara Noonan Morrell  
240-593-9258  
Saracnoonan@gmail.com

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**From:** Purnell, Scott <Scott.Purnell@grace.com>  
**Sent:** Wednesday, February 19, 2025 8:44 PM  
**To:** CouncilMail  
**Cc:** Nerenberg, Sharyn  
**Subject:** Testimony by Scott Purnell - Feb 19 legislative session  
**Attachments:** Zoning testimony - Purnell-v2b.pdf

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Dear Council Members:

Please find attached a copy of my testimony from this evening. Please vote NO to CB11-2025.

Thank you.

Scott K. Purnell  
Vice President, R&D

Good evening, Council Members. My name is Scott Purnell. I am a Howard County resident and have lived in Ellicott City in Councilman Yungmann's district for nearly 30 years. My wife and I have raised two children there who are Mt Hebron HS graduates. I have worked for W. R. Grace since 1993, and at the Grace Drive location in Columbia since 1999. In my long tenure, I have held many roles, but am currently Vice President of Research and Development. I hold a PhD degree in chemical engineering, and I supervise a global team of more than 100, 25 of whom are also PhD scientists.

I am here to urge you to vote NO on CB-11-2025.

W. R. Grace is a leader in the industry, and the innovations developed by our team not only provide value to our customers, but also improve the world around us. As examples, Grace was the first to develop additives to reduce SOx and NOx from certain refinery gas streams. Grace developed a phthalate-free catalyst for the production of plastics, making them safer for consumers. And we have developed chemistries for pharmaceuticals like COVID tests, vaccines, weight loss medications and many other drugs in your medicine cabinet.

Research by its nature involves trial and error. Early experiments are often conducted at very small scale referred to as "bench scale". Once a product or process shows promise, work moves to an intermediate scale referred to as "pilot scale". This intermediate scale is still 1/1000<sup>th</sup> or even 1/10000<sup>th</sup> of the final

commercial size, but allows more reliable information to be gathered about operating conditions, yields, design considerations, etc. Building and operating pilot labs or pilot plants is a best practice and common throughout the industry.

Our researchers have developed an exciting new process that will dramatically improve the ability to recycle post-consumer plastics. Our bench-scale work has shown tremendous promise and now we would like to build and operate a pilot plant to gather more valuable data. If successful, we would commercialize the innovation at our customers' sites throughout the world. The proposed pilot facility, about the size of your kitchen or one-car garage, has been designed by experts using best available technology to ensure safety and regulatory compliance, as the safety of our employees, neighbors, and the environment is our top priority.

Misinformation and blatant falsehoods emanating from those in opposition to our project have led to this...the weaponization of the zoning process, specifically targeting this project and penalizing one company, its employees, and its customers. This is NOT how I understand the process should work.

I urge the council to ignore the false narrative, rely on the facts, and allow my team to continue their work to make the world a better place. VOTE NO on CB-11-2025. Thank you.



---

**From:** Vedangana Saini <vedanganasaini@gmail.com>  
**Sent:** Wednesday, February 19, 2025 9:23 AM  
**To:** CouncilMail  
**Subject:** Testimony of Dr. Vedangana Saini, Ph.D. In Strong Support of CB11/2025

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Good morning, members of the Howard County Council,

My name is Dr. Vedangana Saini, and I am a neuroscientist, medical writer, and resident of Cedar Creek Community in Columbia, Maryland. I come before you today not only as a scientist but as a mother of two young children—an infant and a toddler—and as an individual living with severely damaged lungs. My health, my children’s future, and the well-being of our entire community are at stake with W.R. Grace & Company's proposal to install a research-scale plastic processing pilot plant. I strongly urge the Council to vote in favor of CB11/2025 to protect our air, water, and public health from this dangerous project.

Scientific evidence overwhelmingly demonstrates that plastic processing plants emit toxic pollutants that cause respiratory diseases, immune dysfunction, endocrine disruption, and developmental disorders in children. Yet, Grace’s permit application is based on vague assumptions, estimated emissions data, and lacks transparency regarding sample sizes, test variability, and methodology. As a scientist, I find it alarming that they rely on unverifiable calculations rather than rigorous, peer-reviewed data to justify their project. This is not just an oversight—it is a glaring disregard for public health.

As a mother, I refuse to accept that my children should grow up breathing air tainted with industrial pollution. Howard County is a place where families should feel safe, not forced to endure the long-term consequences of exposure to plastic processing emissions.

As a patient with severely damaged lungs, I know firsthand what it means to struggle for every breath. I cannot afford—nor should any member of our community be forced—to bear the additional burden of inhaling carcinogenic pollutants. The presence of this plant would turn our neighborhoods into a toxic experiment, endangering those of us with preexisting health conditions and stripping away our fundamental right to clean air.

The risks of **accidents or fires** at pilot plants are well documented, and history has shown that such incidents can lead to **dangerous emissions spikes and long-term environmental contamination**.

I urge the Council to recognize the enormous risk this facility poses and to take decisive action by voting **in favor of CB11/2025**. We cannot gamble with the health of our children, families, or environment for the sake of an experimental industrial project.

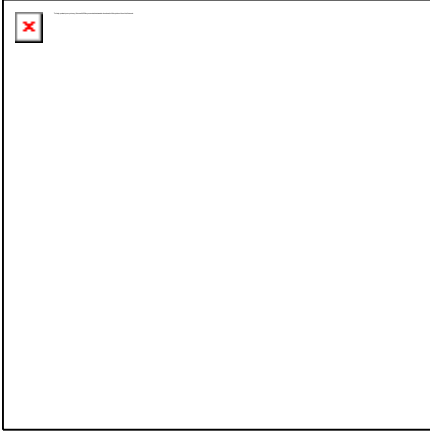
I ask you—as a scientist, a mother, a patient, and a concerned citizen—to reject this threat to our community and vote YES on CB11/2025.

**Vedangana Saini, Ph.D.**

Medical Writer | Coach | Neuroscientist

Secretary - American Medical Writers Association-Mid Atlantic Chapter

Executive Director, Intelligible Scientific Writing LLC



**Intelligible Scientific Writing LLC**

Columbia, MD 21044

**Communicating medicine and science with clarity, coherence, and care**

Website: <https://www.iscientificwriting.com/>

LinkedIn: <https://www.linkedin.com/in/vedangana-saini-ph-d-13794a19a/>

Email: [vedangana@iscientificwriting.com](mailto:vedangana@iscientificwriting.com)

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**From:** Vedangana Saini <vedanganasaini@gmail.com>  
**Sent:** Wednesday, February 19, 2025 9:51 PM  
**To:** Walsh, Elizabeth  
**Subject:** Testimony of Dr. Vedangana Saini, Ph.D. In Strong Support of CB11/2025

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Good evening, members of the Howard County Council,

My name is Dr. Vedangana Saini, and I am a neuroscientist, medical writer, and resident of Cedar Creek Community in Columbia, Maryland. I come before you today not only as a scientist but as a mother of two young children—an infant and a toddler—and as an individual living with severely damaged lungs. My health, my children’s future, and the well-being of our entire community are at stake with W.R. Grace & Company's proposal to install a research-scale plastic processing pilot plant. I strongly urge the Council to vote in favor of CB11/2025 to protect our air, water, and public health from this dangerous project.

Scientific evidence overwhelmingly demonstrates that plastic processing plants emit toxic pollutants that cause respiratory diseases, immune dysfunction, endocrine disruption, and developmental disorders in children. Yet, Grace’s permit application is based on vague assumptions, estimated emissions data, and lacks transparency regarding sample sizes, test variability, and methodology. As a scientist, I find it alarming that they rely on unverifiable calculations rather than rigorous, peer-reviewed data to justify their project. This is not just an oversight—it is a glaring disregard for public health.

As a mother, I refuse to accept that my children should grow up breathing air tainted with industrial pollution. Howard County is a place where families should feel safe, not forced to endure the long-term consequences of exposure to plastic processing emissions.

As a patient with severely damaged lungs, I know firsthand what it means to struggle for every breath. I cannot afford—nor should any member of our community be forced—to bear the additional burden of inhaling carcinogenic pollutants. The presence of this plant would turn our neighborhoods into a toxic experiment, endangering those of us with preexisting health conditions and stripping away our fundamental right to clean air.

The risks of **accidents or fires** at pilot plants are well documented, and history has shown that such incidents can lead to **dangerous emissions spikes and long-term environmental contamination**.

I urge the Council to recognize the enormous risk this facility poses and to take decisive action by voting **in favor of CB11/2025**. We cannot gamble with the health of our children, families, or environment for the sake of an experimental industrial project.

I ask you—as a **scientist, a mother, a patient, and a concerned citizen**—to **reject this threat to our community and vote YES on CB11/2025**.

**Vedangana Saini, Ph.D.**

Medical Writer | Coach | Neuroscientist

Secretary - American Medical Writers Association-Mid Atlantic Chapter

Executive Director, Intelligible Scientific Writing LLC



**Intelligible Scientific Writing LLC**

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Website: <https://www.iscientificwriting.com/>

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Email: [vedangana@iscientificwriting.com](mailto:vedangana@iscientificwriting.com)

---

**From:** ANTOINETTE CROCKRELL <acrockrell@verizon.net>  
**Sent:** Thursday, February 20, 2025 7:37 PM  
**To:** Jung, Debra  
**Cc:** CouncilDistrict5@howardcountymd.gov; CouncilDistrict3@howardcountymd.gov; Walsh, Elizabeth; Jones, Opel  
**Subject:** Re: Antoinette Crockrell -- Testimony and Additional Information in Support of CB11-2025 with attachment  
**Attachments:** Support for CB11 2025 Antoinette Crockrell.pdf

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

This time the attachment

Antoinette  
acrockrell@verizon.net

On Feb 20, 2025, at 7:34 PM, ANTOINETTE CROCKRELL <acrockrell@verizon.net> wrote:

Dear Howard County Council Members,

I hope this email finds you well.

I am sending my testimony from the hearing on February 19, 2025, along with additional information for your consideration. I would like to reiterate my full support for CB11-2025.

Testimony from the Hearing on February 19, 2025:

During the public meeting, I expressed my full support for CB11-2025. My decision is based on a thorough and balanced assessment of all stakeholders and multiple critical factors, including the growing need for responsible plastic recycling, the risks inherent in Flameless Thermal Oxidizer (FTO) technology, and the availability of safer, alternative recycling solutions. I emphasized the importance of prioritizing the health and safety of our families, children, and vulnerable residents. I urged the Council to vote in favor of CB11-2025 to ensure that our community's well-being is not compromised.

Additional Information for Your Consideration:

- Technological Advances in Mechanical Recycling Innovations: This study explores various technologies centered on mechanical recycling, which has a lower environmental impact and greater acceptability of various plastics.

- Impact of Integrating Flameless Combustion Technology: This study investigates a hazardous waste thermal treatment system utilizing flameless combustion technology and its potential for mitigating PCDE pollution from incinerators.

I hope this information is helpful as you consider the implications of CB11-2025.

Take good care,

Antoinette Crockrell  
acrockrell@verizon.net

February 19, 2025

## Howard County Public Meeting: Unabridged Speech in Support of CB11-2025

**Good evening, Council Members, County Officials, and Community Members.**

My name is **Antoinette**, and I am a registered voter, a resident of Howard County, and a homeowner in the Cedar Creek community.

I stand before you tonight in **full support of CB11-2025**. My decision is not one made lightly—it comes from a thorough and balanced assessment of all stakeholders and multiple critical factors:

- The growing need for **responsible** plastic recycling.
- The risks **inherent in Flameless Thermal Oxidizer (FTO technology)** and its potential impact on community health.
- The availability of **safer, alternative recycling solutions** that do not put public well-being at risk.
- The **health and safety** of our families, children, and otherwise vulnerable residents.
- The **responsibility of businesses to enhance the communities in which they operate, while also fostering innovation and sustainability.**

And because of all these considerations, I urge this Council to **vote in favor of CB11-2025**.

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### **The Need for Responsible Plastic Waste Recycling**

We all recognize the problem: plastic waste is a global crisis. We need **better ways** to manage it. However, the solution should **not** come at the **expense of public health and safety**.

FTOs, like the one W.R. Grace is proposing, **are not the best path forward for a residential-adjacent community like ours.**

Yes, this technology has been used in industry for over two decades. But that does not mean it is risk-free. The reality is that FTOs can still **release volatile organic compounds, fine particulate matter, and other hazardous emissions** that impact air quality and health. These concerns are not hypothetical. Studies have shown **higher rates of respiratory disease, endocrine disruption, and even cancer in communities living near such facilities.**

I ask this Council: **If even a small risk exists, why should it be borne by the families who live here?**

---

### **Zoning Must Reflect Community Priorities**

**The land that W.R. Grace occupies today does not exist in isolation.** It is surrounded by homes, schools, and families.

Howard County must ask itself: **Is this the future we want for mixed-use areas?**

W.R. Grace benefited when parts of their land were sold for residential development. They cannot now expect to retain **legacy industrial privileges** when those privileges **no longer fit the reality of the community.**

That is why CB11-2025 is so important. It **sets a precedent**—one that says **Howard County prioritizes public health over unchecked industrial activity.** It ensures that research and development involving hazardous plastic processing **cannot** be conducted in areas not suited for such operations.

This is **not** an anti-science, anti-innovation, or anti-business stance. It is a **pro-community stance.** It acknowledges that companies, no matter how large or established, **must adapt to the evolving needs of the places they operate in.**

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### **Alternative Recycling Methods Exist**

Rejecting W.R. Grace's proposal does **not** mean rejecting plastic recycling. There are **better, safer** ways to address plastic waste, including:

- **Advanced Mechanical Recycling**, which reprocesses plastics without high-heat breakdown.
- **Extended Producer Responsibility Programs**, which shift the burden to manufacturers **to reduce plastic waste at its source.**

These methods do not require a facility **emitting pollutants near homes and schools.**

So, I ask: **Why aren't we investing in these? Why is the default answer always an industrial process that brings risk to those who live next to it?**



---

## **Balancing Business Responsibility and Community Well-Being**

I recognize that businesses like W.R. Grace have responsibilities—not just to the public, but to their shareholders and employees. Their Columbia facility employs approximately 600 people, and their work plays a role in the local economy.

**I do not want to see businesses fail. What I want is to see businesses evolve.**

Innovation should drive progress, but true progress is only achieved when businesses also improve the communities where they operate. Advancement that comes at the community's expense isn't progression—it's regression.

---

## **Conclusion: Support CB11-2025 for a Healthier Future**

Howard County is growing. Our communities are changing. And our zoning laws must reflect that change.

CB11-2025 is a necessary safeguard for our county. It ensures that:

- **Industrial and residential zoning conflicts are addressed proactively, not reactively.**
- **Our county prioritizes health and environmental safety over corporate convenience.**
- **Future zoning policies reflect the realities of a changing community.**

**By voting in favor of CB11-2025**, this Council has the opportunity to **invest in the future of Howard County.**

This is not about opposing industry. It is about making **thoughtful, community-centered decisions** that ensure we all—residents, businesses, and future generations—can thrive together.

As **Coretta Scott King** so powerfully said:

**"The greatness of a community is most accurately measured by the compassionate actions of 'All' its members."**

Let's take action today—not just for ourselves, but for the future of Howard County.

Thank you for your time and your attention

**Antoinette Crockrell**

<http://linkedin.com/in/acrockrell>

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## **Additional Data For Your Consideration: Recycling Studies**

### **Technological Advances in Mechanical Recycling Innovations and Corresponding Impacts on the Circular Economy of Plastics** <https://www.mdpi.com/2076-3298/11/3/38>

#### **Abstract**

The impact of plastic pollution on the world and its inhabitants is yet to be fully measured. Significant quantities of microplastics and nano-plastics have been found in human organs, and many diseases have been traced to their presence. Even human placentas have been found to contain microplastics. This study examines the recycling landscape, advanced reprocessing techniques, and technical challenges in this industry. It points out the top recyclable types of plastics (such as high-density polyethylene, polyethylene terephthalate, and thermoplastic elastomers) by analyzing their different recycling capacities globally. It highlights the most advisable recycling techniques by identifying those most successful, least environmentally damaging, and easiest. Mechanical recycling is arguably the easiest and most common recycling technique. This study examines mechanical reprocessing technologies for construction materials, composite boards, additive manufacturing, and other applications. It also points out prevailing setbacks of these approaches and analyzes different solutions. Promising recycling processes are suggested for further investigation.

#### **Conclusions**

‘This study explored various technologies centered on **mechanical recycling**, as this kind of recycling **has a lower environmental impact (fewer harmful byproducts, less energy used, and greater acceptability of various plastics)**’.

### **Impact of Integrating Flameless Combustion Technology and Sludge–Fly Ash Recirculation on PCDE Emissions in Hazardous Waste Thermal Treatment Systems**

<https://www.mdpi.com/2073-4433/15/6/710>

#### **Abstract**

Polychlorinated diphenyl ethers (PCDEs), persistent environmental pollutants, are found in flue gas from incinerators. While air pollution control systems (APCSs) capture pollutants, the resulting sludge/fly ash (SFA) requires further treatment due to residual PCDEs and other harmful substances. This study investigated a hazardous waste thermal treatment system (HAWTTS) utilizing flameless combustion technology alongside a multistage APCS (scrubbers, cyclone demisters, bag houses). SFA from the APCS was recirculated for secondary combustion. PCDE levels were measured before and after each unit within the HAWTTS. The HAWTTS achieved a remarkable overall PCDE removal efficiency of 99%. However, the incinerator alone was less effective for low-chlorine PCDEs. Scrubbers and bag houses exhibited lower removal efficiencies (17.8% and 30.9%, respectively) due to the memory effect. Conversely, the cyclone demister achieved a high removal rate (98.2%). Following complete APCS treatment, PCDE emissions were significantly reduced to 1.02 ng/Nm<sup>3</sup>. While SFA still contained some PCDEs, the flameless combustion’s uniform temperature distribution enhanced combustion efficiency, minimizing overall PCDE emissions. This system demonstrates significant potential for mitigating PCDE pollution from incinerators. Further research could focus on optimizing treatment processes to address residual PCDEs in SFA.

<b>Aspect</b>	<b>Mechanical Recycling</b>	<b>Flameless Thermal Oxidation in Hazardous Waste Treatment</b>
<b>Process Type</b>	Mechanical reprocessing of plastics without altering their chemical structure.	High-temperature flameless combustion of hazardous waste with integrated air pollution control.
<b>Environmental Safety</b>	Minimal environmental impact as the process avoids toxic emissions and hazardous byproducts.	Involves the use of some hazardous chemicals, requiring careful handling.
<b>Energy Consumption</b>	It consumes moderate energy, with efforts to improve efficiency.	It has higher energy consumption compared to Mechanical Recycling, but advancements are being made to reduce this.
<b>Emissions and Byproducts</b>	Emissions are relatively low, and byproducts are managed effectively.	Emissions include volatile organic compounds (VOCs) and other pollutants, but efforts are being made to minimize these.
<b>Suitability for Residential/Pilot Plants</b>	Suitable for residential areas due to low emissions and noise levels.	Less suitable for residential areas due to higher emissions and safety concerns.
<b>Scalability</b>	High – Already implemented in commercial settings with established infrastructure.	More complex and expensive to scale up, but potentially more effective for certain materials.

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**From:** Arundati Kharel Sigdel <arunakharel@hotmail.com>  
**Sent:** Thursday, February 20, 2025 9:17 AM  
**To:** Jung, Debra  
**Subject:** Please pass CB11-2025. Plastic pollutant are scary than covid.

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Note- Letting your Dad pass at Howard county bed due to cancer on April 2024 is heart breaking. It's un bearable..

Good morning all Angles;

I am Arundati sigdel lives in cedar creek. I am mom of 7 years and 15 years old children.

By profession, I am the owner of a dental practice in Dundalk, MD. I have seen many residual effects of employees who worked at the Bethlehem and Thompson steel factories in the area. I have heard stories about them developing different types of cancer, such as prostate, lung cancer and more. These conditions were treated, but remission occurred again.

I'm here to support our community and CB11-2025, and I request the board to advocate for a safe environment. There are many consequences of air pollutants for surrounding residents and people who work for the company. Anyone can get diseases like cancer, regardless of whether they live in Cedar Creek and surrounding areas or work in Grace.

My dad, an environmental specialist and engineer who worked on various projects, from construction inspection to others, passed away from brain cancer at the age of 70 in April 2024, diagnosed in December 2023. The neurosurgeon told me that finding the cause would earn a Nobel Prize.

I want to emphasize the importance of clean air and the pain of seeing loved ones suffer. My dad is an example of an employee who may have inhaled many byproducts despite all the precautions he

When my dad was in home hospice, I always looked out from my window, facing Grace, and prayed that nobody should have to face what my health-concerned dad had to go through, and the pain our family went through.

I always prayed, looking through the window, that someone needed to help us, and here we are now; God sent angels to save us from these demon plastic pollutants. You board member have all the power to make right decision by supporting CB11-2025.

Grace has not presented any plan or strategy in their presentation on solid waste removal. The process produces a lot of char (solid waste) that is usually dumped in landfills, which will definitely contaminate water quality.

Many negative aspects are buried in tables in their MDE application: 1 Up to nine drums of fuel will be handled and warehoused. 2 Six different polymers will be tested, but emissions are listed for only one. 3 What they repeatedly call an oxidizer is actually an incinerator. 4 The catalyst regenerator generates toxic solid waste that can harm the soil.

We have many kids in our community, so let's not expose them to harmful air pollutants because of the mistake of allowing Grace to install a plastic-burning plant in the heart of Howard County. Let's unite and fight for clean air and sleep without hesitation about what will happen tomorrow. I am full faith on all of you to accept CB11-2025.

Thanks,

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**From:** Qiang Fu <fuqiang0316@gmail.com>  
**Sent:** Thursday, February 20, 2025 10:53 PM  
**To:** Walsh, Elizabeth; Jones, Opel; Rigby, Christiana; Jung, Debra; Yungmann, David; CouncilDistrict1@howardcountymd.gov; CouncilDistrict2@howardcountymd.gov; CouncilDistrict3@howardcountymd.gov; CouncilDistrict4@howardcountymd.gov; CouncilDistrict5@howardcountymd.gov  
**Subject:** Stop Grace's plastics R&D facility

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Dear Councilmember:

I am writing today to urge you to support CB-11-2025. This measure will protect our community and the communities surrounding the W.R. Grace campus from the deleterious health and safety impacts of the company's planned plastic R&D facility. Howard County residents deserve to reap the benefits of clean air and the peace of mind in knowing that their families are not being exposed to ongoing chemical emissions from this planned facility, nor must they live in constant fear of leaks and fires, very real possibilities.

W.R. Grace is planning on installing an incinerator (as determined by the EPA) on its campus next to and in the midst of Howard County communities. This is unacceptable. A project like this does not belong in our residential communities.

Despite Grace's assurances, we are not reassured that the impacts of this facility are negligible. W.R. Grace has demonstrated a careless approach and significant disregard to residents' opposition to this project. Given Grace's terrible track record in polluting communities, residents, employees, towns and surrounding environments (the movie A Civil Action is based on Grace negligence and abuse), coupled with the way in which they have handled this proposed plan, we strongly oppose this project.

We need you to stand up to Grace's lack of regard for our health and safety. I urge to vote in support of CB-11-2025 without any amendments.

I will be keenly watching your vote, which will greatly impact my future voting.

Thank you,

Qiang

--

Best Regards,

Qiang Fu

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**From:** Aidan Morrell <Aidan.Morrell@hhmhotels.com>  
**Sent:** Friday, February 21, 2025 8:00 AM  
**To:** CouncilMail  
**Cc:** CouncilDistrict5@howardcountymd.gov; CouncilDistrict3@howardcountymd.gov; Jones, Opel; Jung, Debra; Rigby, Christiana; Walsh, Elizabeth  
**Subject:** Re: Support For BC-11 2025 (Aidan Morrell Testimony—2.19.2025)

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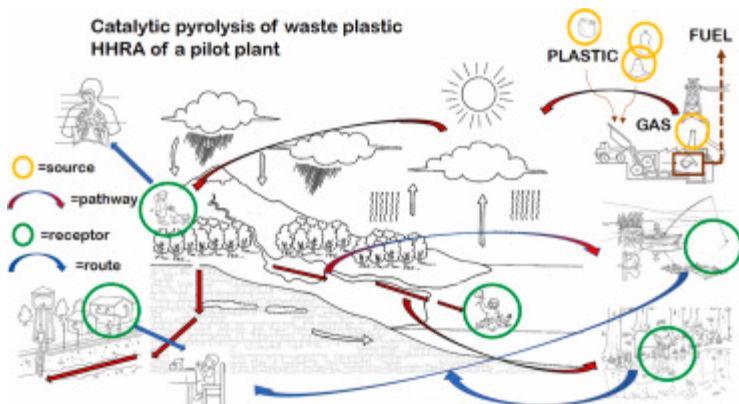
Councilman Jones had also requested data. I did want to share a study specifically focused on pyrolysis of plastics akin to what WR Grace is proposing, and specifically on the pilot plant phase, which nonetheless found this had the potential to be extremely harmful even at that scale. I've included the link and highlighted a few pertinent sections:

<https://www.sciencedirect.com/science/article/abs/pii/S0304389420322123#:~:text=Dioxins,%20PCBs%20and%20VOCs%20are,catalytic%20pyrolysis%20of%20waste%20plastics>

## Abstract

Dioxins, PCBs and VOCs are the main hazardous chemicals emitted by gaseous streams from catalytic pyrolysis of waste plastics. In this work we propose a methodology to assess toxic and cancer risk under uncertainty, due to inhalation and ingestion of these chemicals by considering complex scenarios, as repeated start-ups and short continuous operation that may occur in a pilot-plant. Different simulation tools are combined to evaluate the expected concentration of pollutants in the environmental compartments and food. Hazard Index and Cancer Risk remain under the threshold for both dioxins (HI < 0.012, CR < 5.03 10<sup>-7</sup>) and PCBdl (HI < 1.3 10<sup>-7</sup>, CR < 2.49 10<sup>-12</sup>) in all the simulated scenarios, also for the worst case of children ingesting vegetables and meat and uncertainty factors up to 1000. Different results are obtained for VOCs since repeated leakages during the pilot-plant operation are possible. All the risk indexes for benzene are under the threshold (HI < 0.175, CR < 1.41 10<sup>-7</sup>); acute toxic risk due to inhalation and cancer risk due to ingestion of grain/vegetables are over the threshold if all the uncertainties are considered. Lesson learned: HHRA is important also during scale-up; pilot-plants for pyrolysis of waste plastics must always be equipped with all the abatement systems designed for the final plant.

## Graphical Abstract



1. [Download: Download high-res image \(424KB\)](#)
2. [Download: Download full-size image](#)

## Introduction

Nowadays plastic is one of the most used material in the world. Plastic is very versatile and has substituted many materials of common use, like wood and metals. Its use as packaging for food preservation is dramatically increasing, leading to the production of a great amount of municipal plastic waste (MPW), often accumulated in landfills. This kind of plastic waste represents 10% of the overall municipal solid waste produced in the world, with an expected increase of 1–3% in 2025 (Hoornweg and Bhada-Tata, 2018). MPW is mainly composed of high and low-density polyethylene and polypropylene with some minor amount of polyvinylchloride, polystyrene and other polymeric material (Kunwar et al., 2016). It can reach seawater, where it can accumulate forming garbage patches, constituting high health risk for aquatic animals. Moreover, an emerging global environmental issue is arising due to secondary microplastics, mainly produced in seawater due to natural weathering processes, and potentially contaminating all the environmental compartments, from drinking water and seawater to living beings, marine ecosystems (Bringer et al., 2020), zooplankton, (Costa et al., 2020), food.

Since plastic waste is usually non-biodegradable, lots of efforts have been done to study new technologies for its recycling (Wong et al., 2015). One of these is chemical recycling that consists in the backward process of plastic production and allows to come back to the original components by recovering energy into gas and liquid fuels. Even if chemical conversion represents a good way to recycle plastic waste, some concerns about the process sustainability from an environmental and health point of view have to be taken into account: plastic mix contained in municipal waste has a wide variability of chemical components such as chlorinated groups, vinyl-chloride groups, that can be found in products and by-products of the conversion process. In particular, when dealing with processes such as incineration (Paladino and Massabò, 2017) or pyrolysis, it is important to analyze the risk related to toxic and carcinogenic components that can be released in the environment, mainly into the atmosphere.

Catalytic pyrolysis (Lin et al., 1998, Lin et al., 2001, Aguado et al., 2014) seems to have some environmental advantages if compared to other thermal treatment methods: since the chemical decomposition evolves in oxygen-free atmosphere, the production of dioxins is strongly reduced so as the emissions of carbon dioxide (Al-Salem et al., 2017) and specific catalysts (Huang et al., 2010) can be selected in order to provide desired fuel composition or to reduce emissions.

Nonetheless, the main environmental problem encountered in operating this catalytic conversion process still remains the content of dioxins and PCBs inside the emitted flue gas and the high content of VOCs produced (He et al., 2015). In particular, mono-aromatics, oxygenated VOCs (O-VOCs),



chlorinated VOCs (Cl-VOCs) and acrylonitrile can be found, where mono-aromatics mainly derive from the ABS and PS treatment, alkanes are mainly emitted from the PE and PP recycling processes, and O-VOCs are produced from the PVC and PA pyrolysis (An et al., 2014).

Hazard Identification and Human Health Risk Assessment (HHRA) must be carried out before installing any new industrial plant, and these studies are expressly required by European and national legislation. Unfortunately, obligations regarding HHRA studies are usually much less restrictive, if not absent, in the case of installation of pilot plants, due to their reduced power and their expected period of operation, usually lasting a few years. Although this approach may be acceptable in the case of traditional chemical plants and processes, for which the scale ratio is a priority in the risk assessment procedure (magnitude of risk strongly depends on emissions flowrate), this is not true for non-traditional processes like catalytic pyrolysis, whose possible polluting byproducts are hazardous materials. Moreover, since pilot plants are designed to test different type of catalysts and are operated at different process conditions in order to choose the best ones, many operating runs of the plant could be outside the expected optimal ranges and could produce streams with a very high concentration of pollutants, even if with low flowrates. Finally, not all the output conditions of the tested runs can be correctly individuated as possible scenarios, since some particular, not foreseen, operating conditions can occur due to the combination of tested input process variables.

The aim of this work is to illustrate a procedure to perform a mixed tier 1- tier 2 HHRA study for a new pilot plant devoted to test different reactant/catalyst ratios and operating conditions for the pyrolysis of waste plastic into a continuous stirred reactor. The novelty is that both continuous operation and start-ups of the plant are considered in HHRA, and different operating cycles (corresponding to the planned tests) are taken into account to compute pollutants concentration in outlet streams. Moreover, uncertainty on both plant operation and risk indexes is taken into account in this HHRA study. Exposure is evaluated for both inhalation and ingestion routes, by considering fate and transport of pollutants in different compartments. Finally, a complete exposure pathways scheme is considered, taking into consideration the entire food chain. Both toxic and carcinogenic risk is assessed for dioxins, PCBs and VOCs.

## Access through your organization

Check access to the full text by signing in through your organization.

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## Section snippets

### The pilot plant

The adopted scale-up procedure for the production of valuable fuels by catalytic conversion of polyolefin from waste plastic consists of four steps: 1) study both catalyst and process at lab scale to find the best reactor and plant layout; 2) test all the promising catalysts at the designed plant layout and with the chosen operating strategy at pilot scale, in order to find the best catalyst; 3) test the optimal catalyst found in the previous step at different operating conditions

### Hazard identification

The Hazard Identification step consists in both source characterization and evaluation of source toxicity. The main pollutants that we may expect are VOC, PAH, PCBs and Dioxins.

The primary sources of pollution were identified in chemicals contained into the un-condensable gas and flue gas exiting by the flare. The released amount of chemicals from these sources was measured or calculated based on the previously described scenarios.

Un-condensable and flue gases were analyzed during the

## Chemical analysis

In Table 4 the main characteristics of the fuel produced in the pilot plant with the selected catalyst at fixed operating conditions and 3% load are summarized. Table 5 reports the analysis of the solid residual extracted from the bottom of the pyrolysis reactor.

Chemical analysis of un-condensable gas is reported for start-ups and continuous steady-state operations in Table 6. The concentration of dioxins and PCBs released in the atmosphere from the flare of the pyrolysis plant is given in

## Conclusions

HHRA is required by EU legislation for any new plant installation. Pilot-plants are usually operated for short periods and since their potentiality is low, very often HHRA is not carried out. Hazards of a pilot-plant can be greater than those of a production plant, since pilot-plants are operated to test different process conditions, far from the optimized ones. A reliable HHRA for pilot-plants is in general more difficult to be carried out due to the uncertainties on the real composition of



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On Fri, Feb 21, 2025 at 12:13 AM Aidan Morrell <[aidan.morrell@hmmhotels.com](mailto:aidan.morrell@hmmhotels.com)> wrote:

Council members, you've all been given a lot to digest and before I begin, I would like to thank you for your time and commitment to hearing public voices on this matter. Wherever we land through this decision, I've been encouraged to see your devotion to the community in hearing out so many

individuals and attempting to ensure the right thing is done.

[Begin Testimony]

We heard from a lot of Grace employees tonight and frankly I appreciated finally seeing them acknowledge this issue and engaging the community. I don't doubt that the majority of the employees we've heard from have good intentions and I think it's perfectly expected to want to support the company you work for and believe your leaders are engaging as a good corporate citizen. Unfortunately, often times corporate leaders aren't particularly candid with their employees, and as Councilwoman Jung highlighted, it's impossible not to be skeptical given the timing of this overdue dialogue and WR Grace's refusal to engage throughout the process, instead choosing to communicate through a few media quotes painting opposition as an ill-informed group with meritless concerns,,,, ALL without ever once reaching out to speak with anyone from our community.

WR Grace claims they filed the proscribed process. I think it's fairly apparent the intent was to draw as little attention to this as possible. I'd also point out that as I understand the MDE and zoning regulations, applicants are strongly encouraged and in some cases required to more broadly notify and engage the community. Nothing close to that has transpired.

More important than that, credibility is called into question when I repeatedly hear misleading and self-interested claims which directly contradict the near-unanimous consensus in the scientific community, AND categorical proclamations that chemical recycling poses NO RISK OF HARM to people or the environment—despite these self-assured claims, YOU WILL NOT FIND a single independent scientific source that has made such a broad and definitive claim suggesting chemical recycling is innocuous or risk-free (...in fact, you'll find the opposite).

I've heard various Grace employees compare this project to vehicle emissions and Mr. Carton's comparison last night to the amount of highway traffic nearby Cedar Creek—in short, they suggest the notion that because cars emit more pollution, we should be perfectly comfortable with another source of toxic emissions in our air. By that logic, if a town has a hundred leaking gas lines.....

why not install a hundred more?

And if our city's air quality is already being dragged down by tailpipe emissions, we say, 'Well, we already have it from cigarettes and vehicle exhaust, so what's a little more butadiene?' That's not science—it's surrender.

The presence of existing harm doesn't justify more harm. It underscores the need to stop compounding the problem, particularly where our community is being asked to bear the consequences of such surrender.

Councilman Jones said the facts would decide this matter and asked to see data earlier tonight. You've all heard a lot of data from both parties, but I strongly urge each of you not to take our word for it, and I certainly wouldn't take WR Grace's. Instead, Take 20m of your time. It doesn't take a scientific background to quickly realize that chemical recycling as a solution to the plastic problem has as much support among the independent scientific community as the earth being flat. As Maher noted in his virtual testimony, we don't need to cherry pick our searches—the results are unambiguous and even cursory research demonstrates what this is and the dangers involved.

I know what you won't find in your search:

Unless you end up on WR Grace's landing page or a plastic's trade publication, you won't see claims that chemical recycling is demonstrably safe or environmentally friendly. You won't see that chemical recycling is even REAL recycling. Instead, you will see a near-unanimous consensus among the independent science community that harmful emissions are produced that endanger human health. WR Grace cannot argue that, so instead, they've elected to argue degree of harm, and to highlight various other sources of highly dangerous emissions as a justification for piling on to a problem.

Lastly with respect to Councilman Jones' focus on data—Beyond vetting WR Grace's self-reported and speculative data, please note that even data were accurate, WR Grace improvised quantities for their initial phase of research only, without sufficient restriction for Grace's scaling up. It is extremely likely WR Grace intends to scale up (their plant is, I believe, 24x12x36 feet and when you look at images, it's hard to imagine they intend to limit this pilot to 2.2lbs per hour, particularly when they've already patterned with Braven Environmental to experiment on this same process at the Zebulon, NC facility processing 1500 lbs an hour, leaving decorating effects on that community despite similar promised (as noted in the Intercept article referenced in earlier testimony). While they'd deny this, I have no doubt that if their permit was granted on condition that they never exceed the quantities set forth in their permit, undoubtedly they'd challenge this as an unreasonable restriction.

We also heard the idea that the state's air regulations should be the final word, that local action is somehow "arbitrary and capricious." But that's just an attempt to erase local authority. Using that logic, we wouldn't have different speed limits in different towns. We wouldn't have local zoning at all. The fact is, our community has the right—and the obligation—to set standards that reflect our specific needs and risks. If plastic incineration were such a non-issue, we wouldn't be the only county in Maryland facing this fight.

And if you're wondering whether to trust us or the industry on that point, ask yourself: who has anything to gain? Who has a history of downplaying risks? Who has spent decades—literally decades—arguing that their activities are safe, only for regulators and courts to later prove otherwise? Grace is not a company without a past. It has spent years operating under legal scrutiny, environmental controversy, and public distrust. And now they're asking you to believe, without real scrutiny, that this project is safe? That it belongs here?

The right answer is obvious. Trust your instincts— vote yes on CB-11 2025

Aidan Morrell  
Senior Legal Counsel  
o. 267-238-5043  
c. 602.999.9404  
[hmhospitality.com](http://hmhospitality.com)

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**From:** Aidan Morrell <aidan.morrell@hhmhotels.com>  
**Sent:** Friday, February 21, 2025 12:13 AM  
**To:** CouncilMail  
**Cc:** CouncilDistrict5@howardcountymd.gov; CouncilDistrict3@howardcountymd.gov; Jones, Opel; Jung, Debra; Rigby, Christiana; Walsh, Elizabeth  
**Subject:** Support For BC-11 2025 (Aidan Morrell Testimony—2.19.2025)

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Council members, you've all been given a lot to digest and before I begin, I would like to thank you for your time and commitment to hearing public voices on this matter. Wherever we land through this decision, I've been encouraged to see your devotion to the community in hearing out so many individuals and attempting to ensure the right thing is done.

[Begin Testimony]

We heard from a lot of Grace employees tonight and frankly I appreciated finally seeing them acknowledge this issue and engaging the community. I don't doubt that the majority of the employees we've heard from have good intentions and I think it's perfectly expected to want to support the company you work for and believe your leaders are engaging as a good corporate citizen. Unfortunately, often times corporate leaders aren't particularly candid with their employees, and as Councilwoman Jung highlighted, it's impossible not to be skeptical given the timing of this overdue dialogue and WR Grace's refusal to engage throughout the process, instead choosing to communicate through a few media quotes painting opposition as an ill-informed group with meritless concerns,,,, ALL without ever once reaching out to speak with anyone from our community.

WR Grace claims they filed the proscribed process. I think it's fairly apparent the intent was to draw as little attention to this as possible. I'd also point out that as I understand the MDE and zoning regulations, applicants are strongly encouraged and in some cases required to more broadly notify and engage the community. Nothing close to that has transpired.

More important than that, credibility is called into question when I repeatedly hear misleading and self-interested claims which directly contradict the near-unanimous consensus in the scientific community, AND categorical proclamations that chemical recycling poses NO RISK OF HARM to people or the environment—despite these self-assured claims, YOU WILL NOT FIND a single independent scientific source that has made such a broad and definitive claim suggesting chemical recycling is innocuous or risk-free (...in fact, you'll find the opposite).

I've heard various Grace employees compare this project to vehicle emissions and Mr. Carton's comparison last night to the amount of highway traffic nearby Cedar Creek—in short, they suggest the notion that because cars emit more pollution, we should be perfectly comfortable with another source of toxic emissions in our air. By that logic, if a town has a hundred leaking gas lines.....

why not install a hundred more?

And if our city's air quality is already being dragged down by tailpipe emissions, we say, 'Well, we already have it from cigarettes and vehicle exhaust, so what's a little more butadiene?' That's not science—it's surrender.

The presence of existing harm doesn't justify more harm. It underscores the need to stop compounding the problem, particularly where our community is being asked to bear the consequences of such surrender.

Councilman Jones said the facts would decide this matter and asked to see data earlier tonight. You've all heard a lot of data from both parties, but I strongly urge each of you not to take our word for it, and I certainly wouldn't take WR Grace's. Instead, Take 20m of your time. It doesn't take a scientific background to quickly realize that chemical recycling as a solution to the plastic problem has as much support among the independent scientific community as the earth being flat. As Maher noted in his virtual testimony, we don't need to cherry pick our searches—the results are unambiguous and even cursory research demonstrates what this is and the dangers involved.

I know what you won't find in your search:

Unless you end up on WR Grace's landing page or a plastic's trade publication, you won't see claims that chemical recycling is demonstrably safe or environmentally friendly. You won't see that chemical recycling is even REAL recycling. Instead, you will see a near-unanimous consensus among the independent science community that harmful emissions are produced that endanger human health. WR Grace cannot argue that, so instead, they've elected to argue degree of harm, and to highlight various other sources of highly dangerous emissions as a justification for piling on to a problem.

Lastly with respect to Councilman Jones' focus on data—Beyond vetting WR Grace's self-reported and speculative data, please note that even data were accurate, WR Grace improvised quantities for their initial phase of research only, without sufficient restriction for Grace's scaling up. It is extremely likely WR Grace intends to scale up (their plant is, I believe, 24x12x36 feet and when you look at images, it's hard to imagine they intend to limit this pilot to 2.2lbs per hour, particularly when they've already patterned with Braven Environmental to experiment on this same process at the Zebulon, NC facility processing 1500 lbs an hour, leaving decorating effects on that community despite similar promised (as noted in the Intercept article referenced in earlier testimony). While they'd deny this, I have no doubt that if their permit was granted on condition that they never exceed the quantities set forth in their permit, undoubtedly they'd challenge this as an unreasonable restriction.

We also heard the idea that the state's air regulations should be the final word, that local action is somehow "arbitrary and capricious." But that's just an attempt to erase local authority. Using that logic, we wouldn't have different speed limits in different towns. We wouldn't have local zoning at all. The fact is, our community has the right—and the obligation—to set standards that reflect our specific needs and risks. If plastic incineration were such a non-issue, we wouldn't be the only county in Maryland facing this fight.

And if you're wondering whether to trust us or the industry on that point, ask yourself: who has anything to gain? Who has a history of downplaying risks? Who has spent decades—literally decades—arguing that their activities are safe, only for regulators and courts to later prove otherwise? Grace is not a company without a past. It has spent years operating under legal scrutiny, environmental controversy, and public distrust. And now they're asking you to believe, without real scrutiny, that this project is safe? That it belongs here?

The right answer is obvious. Trust your instincts— vote yes on CB-11 2025

Aidan Morrell  
Senior Legal Counsel  
o. 267-238-5043  
c. 602.999.9404  
[hhmhospitality.com](http://hhmhospitality.com)

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**From:** camrodriguez23@gmail.com  
**Sent:** Friday, February 21, 2025 8:21 AM  
**To:** Walsh, Elizabeth  
**Subject:** SUPPORT CB-11-2025

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Hello,

I am writing today to express my concerns about the W.R. Grace Research & Development center. This company has a bad track record of pollution throughout history, from asbestos to radioactive waste.

The Robinson Nature Center is a treasure, providing the citizens of Howard County recreational and educational value. The W.R. Grace Research and Development center will create pollution and waste via plastic melting.

We are living in a time where so many people in political positions simply don't believe in pollution or climate change, and therefore won't do anything about it and continue loosening regulations on companies like W.R. Grace. Please, do the right thing for Howard County and support CB-11-2025.

Thank You,  
Camila Rodriguez

Sent from my iPhone



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**From:** Dana Petry <dana.petry@gmail.com>  
**Sent:** Friday, February 21, 2025 1:21 PM  
**To:** CouncilDistrict1@howardcountymd.gov  
**Subject:** CB-11-2025

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Dear Ms. Walsh,

I am writing today to urge you to support CB-11-2025. This measure will protect our community and the communities surrounding the W.R. Grace campus from the deleterious health and safety impacts of the company's planned plastic R&D facility. Howard County residents deserve to reap the benefits of clean air and the peace of mind in knowing that their families are not being exposed to ongoing chemical emissions from this planned facility, nor must they live in fear of leaks and fires, very real possibilities.

Despite Grace's assurances, I am not reassured that the impacts of this facility are negligible and I strongly oppose this project. I am not against the facility, just the location. I therefore urge you to vote in support of CB-11-2025 without any amendments. I will be keenly watching your vote, which will greatly impact my future voting.

Thank you,  
Dana Petry  
21075

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**From:** Erin Taylor <erin.taylor@climatereality.com>  
**Sent:** Friday, February 21, 2025 9:16 AM  
**To:** CouncilMail  
**Subject:** Written Testimony in favor of CB11-2025  
**Attachments:** HOWARD COUNTY COUNCILBOARDS OFFICE.pdf; Final Howard County MD Testimony for CB11\_2025.pdf

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Hi Council Members,

Unfortunately, I was unable to testify at the hearing this week in favor of CB11-2025. I attended Monday night's meeting but was not able to testify given the time allocated for testimony and I was not available to come back or join online on Tuesday night. Thus, I am submitting my testimony and affidavit here for you to review.

Please let me know if you have any questions.

Thank you.

Erin Taylor

**Erin Taylor** | Campaigns and Field Senior Vice President  
**Pronouns: she/her/hers**  
555 12th Street, NW, Suite 350 | Washington, DC 20004  
T: (202) 567-6847  
E-mail: [erin.taylor@climatereality.com](mailto:erin.taylor@climatereality.com)



**NOTICE OF CONFIDENTIALITY & DISCLAIMER**

The information contained in this e-mail and any attachments is CONFIDENTIAL and is intended only for the use of the addressee. Any unauthorized use, disclosure, distribution, dissemination, or copying is strictly prohibited and may be unlawful. If you are not the intended recipient, you are prohibited from any further viewing of the e-mail or any attachments or from making any use of the e-mail or attachments. If you believe you have received this e-mail in error, notify us immediately and permanently delete the e-mail, any attachments, and all copies thereof from any drives or storage media and destroy any printouts of the e-mail or attachments and any copies of such printouts. Although this e-mail and any attachments are believed to be free of any virus or other defect that might negatively affect any computer system into which it is received and opened, it is the responsibility of the recipient to ensure that it is virus-free and no responsibility is accepted by the sender for any loss or damage arising in any way in the event that such a virus or defect exists. Thank you for your cooperation.

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**From:** Janet Schreiberstein <janet@schreibmail.com>  
**Sent:** Friday, February 21, 2025 6:53 PM  
**To:** Jones, Opel  
**Cc:** CouncilMail  
**Subject:** Need your Support for CB-11-2025

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Dear Councilmember Jones:

It is very important that you support CB-11-2025. This measure will protect our community and the communities surrounding the W.R. Grace campus from the deleterious health and safety impacts of the company's planned plastic R&D facility. Howard County residents deserve to reap the benefits of clean air and the peace of mind in knowing that their families are not being exposed to ongoing chemical emissions from this planned facility, nor must they live in constant fear of leaks and fires, very real possibilities.

The presence of the incinerator W.R. Grace is planning on installing on its campus next to and in the midst of Howard County communities is unacceptable. A project like this does not belong in our residential communities.

W.R. Grace tries to say this will cause no harm but we are not reassured that the impacts of this facility are negligible. W.R. Grace has demonstrated a careless approach and significant disregard to residents' opposition to this project. Given Grace's terrible track record in polluting communities, residents, employees, towns and surrounding environments (the movie A Civil Action is based on Grace negligence and abuse), coupled with the way in which they have handled this proposed plan, we strongly oppose this project.

We need you to stand up to Grace's lack of regard for our health and safety. I urge to vote in support of CB-11-2025 without any amendments.

I am counting on your vote to **vote for CB-11-2025**. This will make a difference in my future voting. A **yes vote** will make a great difference to our community.

Thank you,

*Janet*

Janet Schreiberstein  
Beaverbrook, Columbia, MD

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**From:** Janet Schreiberstein <janet@schreibmail.com>  
**Sent:** Friday, February 21, 2025 7:07 PM  
**To:** Walsh, Elizabeth  
**Cc:** CouncilDistrict1@howardcountymd.gov  
**Subject:** Thank you for your support for CB-11-2025

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Dear Councilmember Walsh:

I want to first thank you for all your service to our county. Yours is not an easy job, and I greatly appreciate your efforts and your support for several matters of importance.

At this moment, I want to take the opportunity to thank you for your support for CB-11-2025. This measure will protect our community and the communities surrounding the W.R. Grace campus from the deleterious health and safety impacts of the company's planned plastic R&D facility. Howard County residents deserve to reap the benefits of clean air and the peace of mind in knowing that their families are not being exposed to ongoing chemical emissions from this planned facility, nor must they live in constant fear of leaks and fires, very real possibilities.

The presence of the incinerator W.R. Grace is planning on installing on its campus next to and in the midst of Howard County communities is unacceptable. A project like this does not belong in our residential communities.

W.R. Grace tries to say this will cause no harm but we are not reassured that the impacts of this facility are negligible. W.R. Grace has demonstrated a careless approach and significant disregard to residents' opposition to this project. Given Grace's terrible track record in polluting communities, residents, employees, towns and surrounding environments (the movie A Civil Action is based on Grace negligence and abuse), coupled with the way in which they have handled this proposed plan, we strongly oppose this project.

Thank you for standing up to Grace's lack of regard for our health and safety.

I am counting on your vote **for CB-11-2025.**

With many thanks,

*Janet*

Janet Schreiberstein  
5204 Woodam Ct  
Beaverbrook, Columbia, MD 21044

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**From:** Rita Cohen <rcohen0126@aol.com>  
**Sent:** Friday, February 21, 2025 4:28 PM  
**To:** Jung, Debra; CouncilDistrict4@howardcountymd.gov  
**Subject:** YES on CB-11-2205

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Dear Councilmembers Jung & Walsh

My husband and I were at the packed meeting this past Tuesday evening, February 18th. I had signed a petition sent to me by a friend who lives in Pointer's run a while ago. We live in district 4, on Forestvale Court, very close to Cedar Lane and literally right down the road from the proposed site of the W.R. Grace recycling plant.

Frankly, I'm surprised that we're not included in the surrounding area and I have concerns about threats to our air and water quality that might be impacted by this project as well as the surrounding districts of Columbia MD.

My husband and I grew up in Queens, New York and lived a few miles from a trash burning/processing facility, possibly a little further away than we are now to the proposed location of the W.R. Grace recycling plant and we could often smell the fumes depending on how the wind was blowing and the weather conditions.

I am writing today to urge you to support CB-11-2025. This measure will protect our community and the communities surrounding and adjacent to the W.R. Grace campus from the deleterious health and safety impacts of the company's planned plastic R&D facility. Howard County residents deserve to reap the benefits of clean air and the peace of mind in knowing that their families are not being exposed to ongoing chemical emissions from this planned facility, nor must they live in constant fear of leaks and fires, very real possibilities.

W.R. Grace is planning on installing an incinerator (as determined by the EPA) on its campus next to and in the midst of Howard County communities. This is unacceptable. A project like this does not belong in our residential communities.

Despite Grace's assurances, we are not reassured that the impacts of this facility are negligible. W.R. Grace has demonstrated a careless approach and significant disregard to residents' opposition to this project. Given Grace's terrible track record in polluting communities, residents, employees, towns and surrounding environments (the movie A Civil Action is based on Grace negligence and abuse), coupled with the way in which they have handled this proposed plan, we strongly oppose this project.

We need you to stand up to Grace's lack of regard for our health and safety. I urge to vote in support of CB-11-2025 without any amendments.

We will be keenly watching your votes, which will greatly impact our future voting.

Thank you,  
Rita and Larry Cohen

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**From:** Michelle Hollingsworth <michellehollingsworth@yahoo.com>  
**Sent:** Friday, February 21, 2025 12:16 PM  
**To:** Walsh, Elizabeth  
**Cc:** CouncilDistrict1@howardcountymd.gov  
**Subject:** W.R. Grace & CB-11-2025

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

> Dear Councilmember Walsh:

>

> I am writing today to thank you for your support of CB-11-2025. This measure will protect our community and the communities surrounding the W.R. Grace campus from the deleterious health and safety impacts of the company's planned plastic R&D facility. Howard County residents deserve to reap the benefits of clean air and the peace of mind in knowing that their families are not being exposed to ongoing chemical emissions from this planned facility, nor must they live in constant fear of leaks and fires, very real possibilities.

>

> W.R. Grace is planning on installing an incinerator (as determined by the EPA) on its campus next to and in the midst of Howard County communities. This is unacceptable. A project like this does not belong in our residential communities.

>

> Despite Grace's assurances, we are not reassured that the impacts of this facility are negligible. W.R. Grace has demonstrated a careless approach and significant disregard to residents' opposition to this project. Given Grace's terrible track record in polluting communities, residents, employees, towns and surrounding environments (the movie A Civil Action is based on Grace negligence and abuse), coupled with the way in which they have handled this proposed plan, we strongly oppose this project.

>

> We need you to stand up to Grace's lack of regard for our health and safety. I urge to vote in support of CB-11-2025 without any amendments.

>

> I will be keenly watching your vote, which will greatly impact my future voting.

>

> Thank you,

> Michelle Blake

Sent from my iPhone

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**From:** cbattle zingbycecelia.com <cbattle@zingbycecelia.com>  
**Sent:** Friday, February 21, 2025 9:14 AM  
**To:** Yungmann, David  
**Cc:** Walsh, Elizabeth; Jones, Opel; Jones, Opel; Rigby, Christiana; Jung, Debra; CouncilDistrict5@howardcountymd.gov; Mike Battle  
**Subject:** Support CB-11-2025

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Good morning County Council Members David Yungman, Deb Jung, Christiana Rigby, Opel Jones, & Liz Walsh, My husband and I have lived in Clarksville for 31 years, raising our children here, and plan to remain here.

We are FOR the ZRA, which is coded as CB-11-2025 Please support CB11-2025!  
Please vote in favor without any amendments that would water it down.

We strongly oppose the proposed Grace site plan to install an incinerator.  
This is unacceptable!

Our health is at stake. I am a cancer survivor, and have concerns about the negative impact this incinerator would have on my health, and the health of everyone here in our community.

We will be keenly watching your vote, which will greatly impact our future voting.

Thank you  
Sincerely Cecelia & Mike Battle



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**From:** Wayne Davis <wayne.davis103@gmail.com>  
**Sent:** Friday, February 21, 2025 10:22 AM  
**To:** CouncilMail; Jung, Debra; Williams, China; Walsh, Elizabeth; Royalty, Wendy; Jones, Opel; Rigby, Christiana; Goldscher, Paige; Yungmann, David  
**Cc:** Ball, Calvin  
**Subject:** Opposition to the WR Grace Air "Plastics Recycling" Permit

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

To Howard County Council -

While there are so many things wrong with this permit request, including lack of transparency and full disclosure about the process and chemical releases that will occur, I believe they are being adequately documented by others. I am focusing on a different aspect of this that may get overlooked.

I am writing in opposition to the approval of the WR Grace **“Application to Install a Research Pilot Scale Test Catalytic Chemical Conversion of Plastics Process”** by the Howard County government and its administration. By the way, this is what the permit application was called last spring until they ran into opposition by county residents.

They now call it "chemical recycling", another greenwashing term, in which Howard County government including county council members will be mesmerized by as though it is a Jedi mind trick. “No county council, it doesn’t involve high temperature combustion, it is just recycling”. Why wouldn’t the county council and Howard County government fall for it. You all trip over yourselves to get on the bandwagon of another greenwashing scheme – “stream restorations” which only serves to increase pollution and stream destruction while handing out millions of dollars worth of pollution credits in this highly questionable trading scheme. I have other descriptions for this scheme but prefer not to put it into writing yet.

So why wouldn’t WR Grace think you would fall for their “recycling” claim when you fell so easily, and willingly, for the “stream restoration” claim? Maybe their pilot project is simply to see if they can get away with this, too? Or maybe they are not really doing anything new, but since it is already classified a “research and development facility”, they know they can get away with not reporting under EPCRA. I am sure you are all fully aware of EPCRA, but if you are not, I will highlight it for you. Perhaps the only reason you wouldn’t be familiar with it, would be because you have not had to concern yourself with it until now?

Basically, the **Emergency Planning and Community Right-to-Know Act (EPCRA)** was enacted in 1986 (after the Union Carbide Bhopal accident) to help communities prepare for and respond to hazardous chemical threats. It requires facilities that generate, store, or transport hazardous substances to report their chemical inventories and releases to federal, state, and local authorities.

Key provisions include:

- **Emergency Planning (§301-303):** Requires state and local emergency planning committees to develop response plans for chemical accidents.
- **Community Right-to-Know (§311-312):** Mandates facilities to disclose hazardous chemicals to local agencies and the public.
- **Toxic Release Inventory (TRI) (§313):** Requires facilities to report annual releases of toxic substances, promoting transparency and pollution reduction.
- **Emergency Notification (§304):** Obligates immediate reporting of chemical spills or releases that exceed threshold levels.

EPCRA enhances **public safety** by ensuring first responders and communities have critical information to prevent and manage hazardous incidents, reducing risks to human health and the environment. I think this is important, but WR Grace is EXEMPT from this important requirement. So although they are producing thousands of pounds of highly toxic and combustible fuel pellets and storing them on-site, they will hide behind the exemption of being a “research and development” facility although in reality this is a test program for commercial applications. Please do not fall for their greenwashing claim of “recycling” like you have for “stream restorations”.

I worked in the Toxics Release Inventory program of EPA for several years including managing the Risk-Screening Environmental Indicators (RSEI) program. For most of my career, I was a national expert for EPA on stream water quality monitoring, assessment, standards, and performance measures/indicators including "stream restorations". On both of these topics I was an invited speaker in Europe and Asia more than once, speaking to both government agencies and academia. I see the parallels in these greenwashing efforts but I also know how easy it is for intelligent and well-meaning elected officials, and even some academics, to fall for greenwashing claims. Transparency and accountability should be our tools to ensure our public health and environment are protected and any risks documented and minimized. I hope that EPCRA requirements will be mandatory, and the exemption waived, if you decide to go forward with this scheme.

Wayne Davis  
8032 Red Jacket Way  
Jessup, MD 20794  
Kings Contrivance, Howard County

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**From:** Yemisi Aina <yemi.plays.guitar@gmail.com>  
**Sent:** Friday, February 21, 2025 12:59 PM  
**To:** Walsh, Elizabeth  
**Cc:** CouncilDistrict1@howardcountymd.gov  
**Subject:** Support ZRA CB11-2025

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Dear Council Member Walsh:

I am writing today to urge you to support CB-11-2025. This measure will protect our community and the communities surrounding the W.R. Grace campus from the deleterious health and safety impacts of the company's planned plastic R&D facility. Howard County residents deserve to reap the benefits of clean air and the peace of mind in knowing that their families are not being exposed to ongoing chemical emissions from this planned facility, nor must they live in constant fear of leaks and fires, very real possibilities.

W.R. Grace is planning on installing an incinerator (as determined by the EPA) on its campus next to and in the midst of Howard County communities. This is unacceptable. A project like this does not belong in our residential communities.

Despite Grace's assurances, we are not reassured that the impacts of this facility are negligible. W.R. Grace has demonstrated a careless approach and significant disregard to residents' opposition to this project. Given Grace's terrible track record in polluting communities, residents, employees, towns and surrounding environments (the movie A Civil Action is based on Grace negligence and abuse), coupled with the way in which they have handled this proposed plan, we strongly oppose this project.

We need you to stand up to Grace's lack of regard for our health and safety. I urge to vote in support of CB-11-2025 without any amendments.

I will be keenly watching your vote, which will greatly impact my future voting.

Thank you,  
Yemisi Aina

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**From:** Gambrell, Virginia  
**Sent:** Tuesday, February 25, 2025 8:40 AM  
**To:** Anderson, Isaiah  
**Subject:** FW: Supporting CB11-2025

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

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**From:** Julia Lawrence <juliabethlawrence@gmail.com>  
**Sent:** Sunday, February 23, 2025 6:39 PM  
**To:** Walsh, Elizabeth <ewalsh@howardcountymd.gov>  
**Cc:** CouncilDistrict1@howardcountymd.gov  
**Subject:** Supporting CB11-2025

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Dear Councilmember Liz Walsh,

My name is Julia Lawrence. I'm writing to urge you to vote yes on CB11-2025 without any amendments, because this measure would stop the installation of W.R. Grace's proposed plastics R&D facility.

I have lived in Columbia, Howard County, for 54 healthy years and wish to continue to do so, because I love our clean, safe, and diverse neighborhoods. Despite Grace's assurances to the contrary, the facility he would build has the potential to contaminate our community, because his facility would engage in the process of chemical recycling. Chemical recycling is a form of plastics incineration [1], a process that discharges emissions which have the potential to increase the risks of serious health concerns such as cancer [2], as the waste consists primarily of benzene, along with other toxins such as lead, cadmium, and chromium, which are all known carcinogens [3].

Please remember the lives of the residents of Howard County when you vote on CB11-2025. Our health and wellbeing are depending on you.

Thank you for your consideration of this matter.

Julia Lawrence

Columbia, Maryland 21044

443-864-4078

[juliabethlawrence@gmail.com](mailto:juliabethlawrence@gmail.com)

Sources:

[1] Recycling Lies: "Chemical Recycling" of Plastic Is Just Greenwashing Incineration

[2] Toxicity, mechanism and health effects of some heavy metals - PMC

[3] Toxic Mechanisms of Five Heavy Metals: Mercury, Lead, Chromium, Cadmium, and Arsenic - PMC

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**From:** Goldscher, Paige  
**Sent:** Monday, February 24, 2025 10:08 AM  
**To:** Harrod, Michelle; Wimberly, Theodore; Anderson, Isaiah  
**Subject:** cb-11-2-20

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

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**From:** inapam hersh <inapam829@gmail.com>  
**Sent:** Sunday, February 23, 2025 3:54 PM  
**To:** Rigby, Christiana <crigby@howardcountymd.gov>  
**Subject:** cb-11-2-20

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Christinana please support CB-11-2025  
this is a very important health concern to all of columbia and especially to the people of river hill community. this could be catastrophic to everyones health. I do not believe grace when it says it will follow strict guidelines and trump is already ready to go with big business and not care about our clean water and safety so there will be no one to fight against this in the upcoming future.  
please support this bill!  
its a matter of life and death,  
ina hersh a resident of columbia md for 35 years

---

**From:** Julia Lawrence <juliabethlawrence@gmail.com>  
**Sent:** Sunday, February 23, 2025 6:39 PM  
**To:** Walsh, Elizabeth  
**Cc:** CouncilDistrict1@howardcountymd.gov  
**Subject:** Supporting CB11-2025

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Dear Councilmember Liz Walsh,

My name is Julia Lawrence. I'm writing to urge you to vote yes on CB11-2025 without any amendments, because this measure would stop the installation of W.R. Grace's proposed plastics R&D facility.

I have lived in Columbia, Howard County, for 54 healthy years and wish to continue to do so, because I love our clean, safe, and diverse neighborhoods. Despite Grace's assurances to the contrary, the facility he would build has the potential to contaminate our community, because his facility would engage in the process of chemical recycling. Chemical recycling is a form of plastics incineration [1], a process that discharges emissions which have the potential to increase the risks of serious health concerns such as cancer [2], as the waste consists primarily of benzene, along with other toxins such as lead, cadmium, and chromium, which are all known carcinogens [3].

Please remember the lives of the residents of Howard County when you vote on CB11-2025. Our health and wellbeing are depending on you.

Thank you for your consideration of this matter.

Julia Lawrence

Columbia, Maryland 21044

443-864-4078

[juliabethlawrence@gmail.com](mailto:juliabethlawrence@gmail.com)

Sources:

[1] Recycling Lies: “Chemical Recycling” of Plastic Is Just Greenwashing Incineration

[2] Toxicity, mechanism and health effects of some heavy metals - PMC

[3] Toxic Mechanisms of Five Heavy Metals: Mercury, Lead, Chromium, Cadmium, and Arsenic - PMC



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**From:** Michelle Bryden <michelle.bryden@verizon.net>  
**Sent:** Sunday, February 23, 2025 10:35 AM  
**To:** CouncilMail  
**Subject:** Opposition to CB 11-2025

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Dear Council Members,

I am writing to oppose CB 11-2025. As explained in Mr. Joseph Rutter's testimony, research and development is already a permitted use in the PEC district. The proposed addition of this use to the zoning regulations is a thinly-veiled attempt to target a specific company, W.R. Grace, who has been operating on the site for decades. The specificity of the proposed restriction on the type of research and development that may occur in the PEC district makes this abundantly clear.

I am concerned that if the council passes this bill, it may drive away Grace and other employers who rely upon a predictable legal and regulatory framework to plan their continuing operations. Retroactively inserting such specific language into our zoning regulations certainly calls into question the predictability of Howard County governance and would make any employer think twice about locating or expanding in the County. I hope you will continue Howard County's tradition of good governance by rejecting this bill.

Thank you for your consideration,

Michelle Bryden  
District 5  
Ellicott City, MD

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**From:** Goldscher, Paige  
**Sent:** Monday, February 24, 2025 10:13 AM  
**To:** Harrod, Michelle; Wimberly, Theodore; Anderson, Isaiah  
**Subject:** Cb-11-2025

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

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**From:** Rebecca Thornton <rthornton4725@gmail.com>  
**Sent:** Sunday, February 23, 2025 8:20 AM  
**To:** Rigby, Christiana <crigby@howardcountymd.gov>  
**Cc:** CouncilDistrict3@howardcountymd.gov  
**Subject:** Cb-11-2025

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Dear Councilmember Rigby,

I am writing today to urge you to support CB-11-2025. This measure will protect our community and the communities surrounding the W.R. Grace campus from the deleterious health and safety impacts of the company's planned plastic R&D facility. Howard County residents deserve to reap the benefits of clean air and the peace of mind in knowing that their families are not being exposed to ongoing chemical emissions from this planned facility, nor must they live in constant fear of leaks and fires, very real possibilities.

W.R. Grace is planning on installing an incinerator (as determined by the EPA) on its campus next to and in the midst of Howard County communities. This is unacceptable. A project like this does not belong in our residential communities.

Despite Grace's assurances, we are not reassured that the impacts of this facility are negligible. W.R. Grace has demonstrated a careless approach and significant disregard to residents' opposition to this project. Given Grace's terrible track record in polluting communities, residents, employees, towns and surrounding environments (the movie A Civil Action is based on Grace negligence and abuse), coupled with the way in which they have handled this proposed plan, we strongly oppose this project.

We need you to stand up to Grace's lack of regard for our health and safety. I urge to vote in support of CB-11-2025 without any amendments.

I will be keenly watching your vote, which will greatly impact my future voting.

Thank you,  
Rebecca Thornton

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**From:** ralove100@gmail.com  
**Sent:** Sunday, February 23, 2025 6:02 PM  
**To:** Jung, Debra; Jones, Opel; Rigby, Christiana; Yungmann, David; Walsh, Elizabeth  
**Cc:** ralove100@gmail.com  
**Subject:** Observations re CB11-2025 (ZRA-211) Testimonials  
**Attachments:** Documents, Reports and Photographs for W.R. Grace in Columbia, Maryland \_ US EPA.pdf

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

To: Howard County Delegates:  
Opel Jones, Deb Jung, Christiana Rigby, Elizabeth Walsh, and David Yungmann

From: Richard Love, Howard County Resident, District 3

PDF Attachment: EPA Documents, Reports and Photographs for W.R. Grace in Columbia, Maryland

I am writing in reference to the testimonials in opposition from WR Grace re Bill CB11-2025 (ZRA-211). In my careful review of the 2 days of testimonies, in-person and online, I conclude that the WR Grace testimonials fully support **a vote in favor of the Bill.**

This may seem to be counterintuitive, so let me explain.

Testimony by Sharon Nirenberg, Vice President of Communications (?), based her testimony on how well WR Grace followed all the rules and did everything they could to communicate with the public. And then continued to testify that WR Grace did the opposite. Nirenberg testified that “the Grace of yesterday is not the Grace of today.” I beg to differ. WR Grace is currently under EPA RCRA oversight for which they have not yet completed. See attachment ( Permit expires June 2028). I trust that WR Grace and MDE have submitted the RCRA actions as part of “we are doing everything we can” to gain the public trust? If the RCRA actions have not been completed, then why would WR Grace be allowed to add additional pollutants from the WR Grace campus with another polluting source?

Testimony by John Oskam, Vice President of R&D, based his testimony on the unique knowledge and tools WR Grace research campus have in order to make a breakthrough in the plastics recycling problem. That may be true. But putting the pilot plant in a more appropriate industrial area does not take away from their research capabilities and hopefully future accolades. The argument that the scientific staff need to be near-adjacent to the pilot plant to run their experiments and to run back and forth from pilot to lab, is a non sequitur based on Oskam’s own ability to run all of WR Grace’s ground-breaking research by going back and forth between New Jersey and Columbia.

Testimony by Scott Purnell, Executive President of R&D, also based his remarks on the excellent research that Grace has contributed to society. He is, of course, correct, citing Grace’s considerable scientific contributions. But that does not address the consequences of doing that lab research on a larger scale in the middle of a residential area. WR Grace has demonstrated conclusively that they have been unable to get the byproducts of their research under control. If you have time, read *A Civil Action* and the seemingly endless litigation cases against them as cited in the Cedar Creek testimonials to better understand that is a work in progress to the current date and into the future.

Testimony by Rob Harding in the Research Department testified about his concerns about the public's understanding of the chemistry, saying that WR Grace is not burning waste plastic of any kind. OK, but that ignores the fact that the pilot plant will produce waste products equivalent to burning plastic waste, albeit in much smaller quantities. [Electrical Engineer, Isabelle Daily's testimony directly rebutted this claim that small quantities of these waste products can be ignored]. That does not address the issue: Residents have legitimate psychological and health concerns about the byproducts of the reactions because there is no disclosure by WR Grace as to what those byproducts (i.e. waste) are or will be. WR Grace argues that the public is uninformed. Yes, we are uninformed because WR Grace and MDE are unable or unwilling to disclose in detail what these byproducts are. And then the community is asked to believe that WR Grace will honestly monitor and scrub all of the emissions for us. Not even remotely credible guidance. That alone is enough to discount their testimonials about the safety and efficacies of the proposed pilot plant.

Testimony by Joseph Rudder from Woodbine testified in opposition to CB-11-2025 based on his interpretation of Research & Development laboratories zoning for current use. OK. But that does not address the concerns of Cedar Creek for future use by putting in a pilot plant. I believe that Mr. Rudder draws a false equivalence between research at Grace and APL. Grace and APL have little overlap as light industrial sectors. Remember that APL pilot tests their rockets at Wallops or Vandenberg -- not on an adjacent soccer field -- well outside of the APL campus boundaries. As many residents testified, WR Grace should adopt current chemical industry standards (re safe boundaries) to do this kind of work well away from surrounding residential communities.

In short, WR Grace made weak rebuttals to the Cedar Creek credible and convincing testimonies. I could cite more. But that would take another book.

I urge you to vote **Yes** in support of CB11-2025 (ZRA-211). Cedar Creek residents and a large population of Howard County support it. And apparently WR Grace does as well.

Sincerely,





Richard Love  
7525 Yellow Bonnet PL  
Columbia, MD 21046  
ralove100@gmail.com  
C: 443-538-1571









Home <<https://epa.gov/>> / Corrective Action Cleanups Around the Nation  
<<https://epa.gov/hwcorrectiveactioncleanups>>

# Documents, Reports and Photographs for W.R. Grace in Columbia, Maryland

Some of W.R. Grace's key Resource Conservation and Recovery Act (RCRA) corrective action documents, reports and photographs are accessible online:

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-  Corrective Action Permit for W.R. Grace in Columbia, Maryland (pdf) <[https://www.epa.gov/sites/default/files/2017-12/documents/wrgracecolumbia\\_draftpermitfinal.pdf](https://www.epa.gov/sites/default/files/2017-12/documents/wrgracecolumbia_draftpermitfinal.pdf)> (11.89 MB)  
RCRA Corrective Action Permit
  -  Corrective Action Statement of Basis for Final Permit for W.R. Grace in Columbia, Maryland (pdf) <[https://www.epa.gov/sites/default/files/2017-12/documents/wrgrace\\_permitsb.pdf](https://www.epa.gov/sites/default/files/2017-12/documents/wrgrace_permitsb.pdf)> (49.89 KB)  
Statement of Basis for RCRA Corrective Action Final Permit
  -  RCRA Corrective Action Permit Approval for W.R. Grace in Columbia, Maryland (pdf) <[https://www.epa.gov/sites/default/files/2018-05/documents/wrgracecolumbia\\_capermitapproval.pdf](https://www.epa.gov/sites/default/files/2018-05/documents/wrgracecolumbia_capermitapproval.pdf)> (664.13 KB)  
RCRA CA Permit Approval
  -  RCRA Corrective Action Draft Permit Response to Comments for W.R. Grace in Columbia, Maryland (pdf) <[https://www.epa.gov/sites/default/files/2018-05/documents/wrgracecolumbia\\_cadraft\\_permit\\_rtc.pdf](https://www.epa.gov/sites/default/files/2018-05/documents/wrgracecolumbia_cadraft_permit_rtc.pdf)> (4.3 MB)  
RCRA CA Permit Response to Comments

-  **Corrective Action Statement of Basis W.R. Grace and Company in Columbia, Maryland (pdf)** <[https://www.epa.gov/sites/default/files/2015-09/documents/wrgracecolumbia\\_sb.pdf](https://www.epa.gov/sites/default/files/2015-09/documents/wrgracecolumbia_sb.pdf)> (345.79 KB, 7/13/2006)  
Statement of Basis for RCRA Corrective Action Remedy
-  **Corrective Action Long Term Stewardship Inspection Report W.R. Grace and Company in Columbia, Maryland (pdf)** <[https://www.epa.gov/sites/default/files/2015-09/documents/lts\\_mdd074933961.pdf](https://www.epa.gov/sites/default/files/2015-09/documents/lts_mdd074933961.pdf)> (155.53 KB, 4/1/2014)  
RCRA Corrective Action Long-Term Stewardship Assessment Report
-  **Enviromental Covenant W.R. Grace and Company in Columbia, Maryland (pdf)** <[https://www.epa.gov/sites/default/files/2015-09/documents/ec\\_mdd074933961.pdf](https://www.epa.gov/sites/default/files/2015-09/documents/ec_mdd074933961.pdf)> (1.13 MB, 4/7/2008)  
MD Uniform Environmental Covenant –Deed Restriction
-  **Environmental Indicator for Human Exposure W.R. Grace and Company in Columbia, Maryland (pdf)** <[https://www.epa.gov/sites/default/files/2015-09/documents/hh\\_mdd074933961.pdf](https://www.epa.gov/sites/default/files/2015-09/documents/hh_mdd074933961.pdf)> (19.34 KB, 6/11/2001)  
RCRA Environmental Indicator - Current Human Exposures under Control
-  **Environmental Indicator for Groundwater for W.R. Grace and Company in Columbia, Maryland (pdf)** <[https://www.epa.gov/sites/default/files/2015-09/documents/gw\\_mdd074933961.pdf](https://www.epa.gov/sites/default/files/2015-09/documents/gw_mdd074933961.pdf)> (20.61 KB, 6/11/2001)  
RCRA Environmental Indicator - Migration of Contaminated Groundwater under Control
-  **W.R. Grace in Columbia, Maryland Geospatial PDF Site Map (pdf)** <[https://www.epa.gov/sites/default/files/2015-10/documents/geospatialpdf\\_wrgrace.pdf](https://www.epa.gov/sites/default/files/2015-10/documents/geospatialpdf_wrgrace.pdf)> (1.9 MB, 3/21/2012)  
This geospatial pdf can help you find latitude/longitude coordinates, measure distances between objects and mark locations at this site. Click the link to download this file to your computer, then Open the file with Adobe Reader and Select Edit/Analysis.

Last updated on June 27, 2024

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**From:** Rigby, Christiana  
**Sent:** Monday, February 24, 2025 10:15 AM  
**To:** Harrod, Michelle; Wimberly, Theodore; Anderson, Isaiah  
**Subject:** Please Support CB-11-2025

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

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**From:** Akanksha C <aku7198@gmail.com>  
**Sent:** Friday, February 21, 2025 3:44 PM  
**To:** Rigby, Christiana <crigby@howardcountymd.gov>  
**Cc:** CouncilDistrict3@howardcountymd.gov  
**Subject:** Please Support CB-11-2025

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Dear Councilmember Christiana Rigby:

My name is Akanksha, and I am a resident of Columbia. I am writing to urge you to vote YES on CB-11-2025 without amendments.

A plastic incineration R&D facility does not belong in a residential community. The health and safety of our families must take priority over this project. Given the current administration's stance on the EPA, I am deeply concerned that there are insufficient safeguards in place to properly monitor such a facility.

Please stand with our community and vote YES on CB-11-2025—without amendments to ensure our protection.

Thank you for your time and consideration.

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**From:** Bimbisar Biswas <bimbisar.biswas@gmail.com>  
**Sent:** Monday, February 24, 2025 8:10 PM  
**To:** CouncilDistrict1@howardcountymd.gov; CouncilDistrict2@howardcountymd.gov; CouncilDistrict3@howardcountymd.gov; CouncilDistrict4@howardcountymd.gov; CouncilDistrict5@howardcountymd.gov  
**Subject:** Reasons to vote YES to CB11-2025.

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Dear County Council Members,

Thank you for your attention to the grave concern of residents regarding the W.R. Grace Pilot Project. The Cedar Creek Community has summarized key findings and statistics on why advanced recycling is not safe near residential homes, which is endorsed **unanimously by the Howard County Planning Board** for your immediate review. We have also included flaws in Grace's permit application. **You will find many reasons below to vote YES to CB11-2025 to protect public health and stand behind your constituents.**

#### **Unanimous Recommendation from Howard County Department of Planning & Zoning**

1. **Howard County Department of Planning & Zoning Recommendation:** DPZ reviewed all the facts and the 3 board members **unanimously** recommended for the Council to come up with legislation/amendments for the project not to be implemented so close to residential homes due to the potential hazards/risk of fire, leaks, and explosions. Board Member James Cecil testified for a bill presented by Senator Clarence Lam regarding rendering a tax credit to residents impacted by the pilot plant, and he suggested that the state should instead use the money contemplated for the tax credit to move the project to M-1, M-2 Districts.

#### **Flaws in Grace's Recycling Claims**

2. **Recycling Misconception:** The industry promotes chemical recycling as a solution to plastic waste, but it is often just a way to **greenwash** incineration (NRDC, 2022, p. 1; [Beyond Plastics](#), 2025)

3. **EPA regulations define pyrolysis units as incinerators:** The EPA stated in a letter to the Maryland Department of the Environment that the W.R. Grace Pilot Plant "would meet the definition of an [Other Solid Waste Incinerator](#), as OSWI expressly includes pyrolysis units" (U.S. Environmental Protection Agency, Region 3. (2025, January 8). Applicability Determination Request - OSWI Rule and Proposed Pilot Plant in Maryland [Letter to Suna Yi Sariscak, Maryland Department of the Environment].)

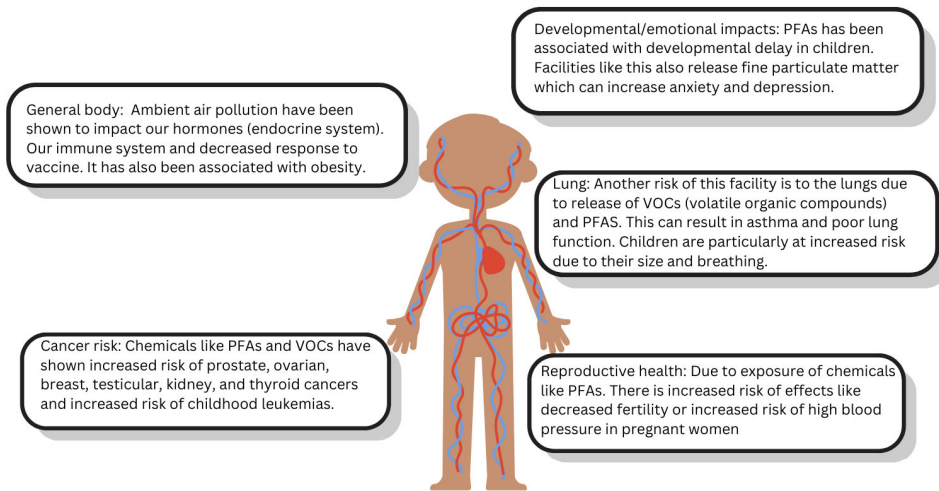
4. **Energy Recovery:** Burning plastic for fuel (plastic-to-fuel) does not count as **recycling** by international standards, as it generates the same harmful pollutants as fossil fuels (NRDC, 2022, p. 3). [HOWARD COUNTY ZONING REGULATIONS | Zoning | Howard County, MD | Municode Library](#)

#### **Health and Environment Concerns of Plastic Incineration**

5. **Health Risks:** The chemicals released or disposed of by these facilities are highly toxic, with many being **carcinogenic, neurotoxic, or reproductive toxicants**. For instance, **VOC's** are among the substances that pose severe health risks, including cancer and developmental harm (NRDC, 2022, p. 5,6) ([Dragon et al. 2023](#)) ([Smolker et al, 2024](#)) ([Brumberg et al. 2021](#)) (EPA 2024) (American Lung Association 2024)



# How Outdoor Air Pollutants Impact our Health



- Citations:
1. [Brumberg et al. 2021: Ambient Air Pollution: Health Hazards to Children](#)
  2. [EPA 2024 Our Current Understanding of the Human Health and Environmental Risks of PFAS](#)
  3. [American Lung Association 2024 Volatile Organic Compounds](#)
  4. [Dragon et al 2023: Perfluoroalkyl Substances \(PFAS\) Affect Inflammation in Lung Cells and Tissues](#)

6. **Hazardous Waste:** Most "chemical recycling" facilities in the U.S. are **not recycling plastic**, and instead, generate **hazardous waste** that is often incinerated ([NRDC, 2022, p. 3, 4](#); [Beyond Plastics, 2025](#)).

7. **Air Pollution:** "Chemical recycling" facilities are known to release **hazardous air pollutants** like styrene, toluene, and dioxins. These pollutants are linked to serious health issues such as **cancer, birth defects, and respiratory problems** ([NRDC, 2022, p. 5,6](#); [Beyond Plastics, 2025](#)).

8. **Polymer Burning Evidence in Grace's Own MDE Application:** Grace will burn 2,588 kg/yr of polymer following a gasification step in the reactor as indicated in their permit application. In addition, burning will also take place in the catalyst regeneration unit. (Maryland Department of the Environment [MDE], 2023, [Docket #16-23, p. 29 and p. 16, respectively](#)).

9. **Harmful Chemicals:** About 16,000 chemical additives are used in making plastics. More than a quarter (4,200) of these chemicals are known to be harmful to human health and/or the environment while even more have not yet been studied ([PlastChem, 2024](#)).

10. **Increased Risk as a Pilot Plant:** A study looking at health impacts on a similar facility concluded that hazards of a pilot-plant can be greater than those of a production plant, since pilot-plants are operated to test different process conditions, far from the optimized ones. ([Paladino et al, 2021](#)).

## Flaws in Grace's Claims that R&D Emissions will be Negligible

11. **An Independent Scientific Review Conducted for Maryland House of Delegates Concluded that Emissions Are Likely Greater than Stated by Grace:** Grace has strongly denied that there will be any emissions of PFAS, benzene, or other chemicals that residents have expressed concern about. However, **according to an independent chemical engineer, Dave Arndt who reviewed Grace's permit application for Maryland State Delegate Jennifer R. Terrasa**, "W.R. Grace has stated that the materials that they are going to feed into their reactor are "hard to recycle" plastics, resin identification code 1-7. These plastics have been found to include the following items which have been documented to be released in incineration emissions: **PFAS, Bisphenols, Phthalates, Chlorine, Florine, Lead, Cadmium, Selenium, Benzene, 1,2-dichloroethane, Chromium, Vinyl chloride, Barium, Styrene, Benzene, Toluene, Mercury, Arsenic, Dioxins, Ethyl benzene, Xylenes, Naphthalene, Acetaldehyde, Formaldehyde, Hydrochloric acid, Methanol, Hexane and PM2.5**. Please note that this is not an all-inclusive list, there may be other compounds released depending on the plastic feedstock being used." The above findings by Mr. Arndt are consistent with a near-unanimous consensus among the scientific community, all of which identify many of the above emissions as probable byproducts from similar incineration/pyrolysis operations.

12. **Grace's MDE Application Uses One Polymer as its Benchmark Feedstock for Emission Calculation Purposes, While Acknowledging that It May Use Several "Other" Polymers:** Grace says that its MDE application is focused on homogeneous polypropylene

("The proposed Project is designed to process 1 kg/hr of commercially available plastic pellet feedstock (the benchmark feedstock can be 100% homogeneous polypropylene (PP))" but acknowledges the intention to use several other polymers as feedstock ("However, a typical mixed plastic also can include low density polyethylene (LDPE), high density polyethylene (HDPE), polyethylene terephthalate (PET), polystyrene (PS), polyvinyl chloride (PVC), and others"). The use of the term "others" in the list of polymers is a major concern, as it would open the door for Grace to include any type of polymer imaginable and potentially produce new kinds of emissions that are not contemplated in the initial report. (Maryland Department of the Environment [MDE], 2023, [Docket #16-23](#), p. 15).

**13. Chemical Recycling Facilities Release Pollutants that Can be Dangerous Regardless of R&D Size and Scale:** Even small R&D facilities release pollutants, and many of these pollutants (like benzene, dioxins, and VOCs) are harmful even in small amounts and have no safe threshold for exposure. According to Dave Arndt, the chemical engineer who reviewed Grace's permit application for Maryland State Delegate [Jennifer R. Terrasa](#), "W.R. Grace only presents that 0.218 lb of VOCs will be emitted daily, however [they] don't give the chemical make-up of the VOCs being emitted. Some VOCs are highly carcinogenic and even at that volume should not be released to the public."

### **Grace's Regulatory Non-Compliance and Application Omissions**

**14. Failure to Comply with the Clean Air Act:** As discussed earlier, Grace's pyrolysis unit is classified as an "Other Solid Waste Incinerator." [Federal Clean Air Act Section 129](#) addresses emissions from solid waste combustion, and incinerators are regulated under the Clean Air Act's incinerator provision, [Section 7429](#). There is no mention of compliance with Sections 129 or 7429 of the Federal Clean Air Act in [Grace's application](#) or MDE's tentative determination for the permit. Both the text and legislative history of the Clean Air Act indicate that Congress intended Section 7429 to cover all facilities that combust solid waste, except those expressly exempted by Congress. Since Congress did not expressly exempt small units combusting plastic and other wastes from the Clean Air Act, they are still covered by the Act and need a Section 129 Clean Air Act permit. Indeed, subsequent court decisions have affirmed that Congress did intend to regulate these small facilities burning waste. [See *Sierra Club v. EPA*, 167 F.3d 658, 662 (D.C. Cir. 1999)].

**15. Permit Docket 16-23 and the Analysis of the Risks Focused on the Most Conservative Use Case W.R. Grace Will Conduct While W.R. Grace's True Operation Are Expected to Scale Up and Experiment with Different Applications Beyond Those Identified in the Initial Application:** W.R. Grace makes various assumptions under their permit application while admitting that they may experiment with, or expand on, many fundamental elements in the permit. For example, they suggest 2.2lbs of plastic will be incinerated per hour while having no restrictions from increasing that amount. They also identify one type of homogeneous feedstock with allegedly less serious emissions concerns, while affording them unlimited latitude to expand the types of feedstocks used or the volumes to be used (all without oversight or restriction) based on the broad catch-all language in the permit to use "other types" as well ([see Section 11 in Permit Docket 16-23](#)). Grace's identification of a "happy path" for purposes of obtaining the permit while using umbrella terms allowing them to expand without oversight or restriction is hugely concerning and should be expected (if the permit is approved on the condition that no expansion in the volume or application of uses be permitted beyond the exact types/quantities identified in the permit. W.R. Grace would surely object, as they've acknowledged such expansions are likely). (Testimony of Scott Purnell, VP of R&D- Refining Technologies at W.R. Grace & Co. February 19th, 2025).

**16. Zoning Non-Compliance:** Since the plant is established as an incineration facility, then the Zoning regulations of Howard County preclude the facility to be located in a PEC District. Bill No. 17-2021(ZRA-197), § 1, 5-6-2021; Bill No. 39-2023(ZRA-204), § 1, 11-6-2023) The Solid Waste District permits processing facilities for non-hazardous solid waste which are not covered elsewhere in the Zoning Regulations, while requiring detailed review of each proposal to evaluate its land use impacts and its potential contribution to the County's solid waste management system. **Because many solid waste processing facilities are of a heavy industrial nature, the SW District is an overlay district which may be applied only to land in the M-2 District.** [HOWARD COUNTY ZONING REGULATIONS](#)

**17. Grace's Emission Numbers Ignore Contributions from Several Factors, including:** Early plant trials; operation outside of steady-state (e.g. start-ups, shutdowns); catalyst regenerator venting; leaks; fugitive emissions; and accidents.

**18. Flaws in Grace's Environmental Justice Report:** Grace's Environmental Justice (EJ) report indicates that there are no high schools, grocery stores, or land restoration facilities within Census Tract 6055.05, Howard County, Maryland (Maryland Department of the Environment [MDE], 2023, [Docket #16-23](#), p. 9). However, public maps confirm that River Hill High School, the River Hill Shopping Center, and the Forest Retention Area on the property line between Cedar Creek and Grace all fall within this tract.

**19. Regulatory Concerns:** Many facilities are not subject to stringent regulations because some states have sought to reclassify chemical recycling as a non-solid waste facility, reducing oversight (NRDC, 2022, p.7,8). MDE's grant funding from the federal government to oversee an operation like Grace's plant has been eliminated (WYPR, 2025).

### **Safety Concerns**

**20. Incidents of Fires:** Two advanced recycling plants, **New Hope Energy** and **Brightmark**, experienced fires within the first year of operation, highlighting the potential safety hazards (NRDC, 2022, p.8).

**21. Grace's Application Indicates there will be Fuel Storage and Transfer, which Increases Fire and Accident Risk:** Grace will be regularly producing, warehousing, and transporting multiple 55-gal drums of fuel and shipped to a third party waste treatment facility (Maryland Department of the Environment [MDE], 2023, [Docket #16-23](#), p. 16). This is not accurate reporting. Every drop needs to be accounted for, plus shipment dates and times, method of shipment and name of the treatment facility must be documented. Therefore, a hazardous liquid permit must also be obtained.

**22. Documented Accidents Involving the use of Pyrolysis Reactors and Thermal Oxidizers:** These include Husky Energy Refinery in 2018 in Superior, WI ([36 workers injured, 39,000 lb. of flammable hydrocarbons released](#)) and Exxon-Mobil in 2018 in Torrance, CA ([four contractors were injured, neighborhood was dusted with a coat of ash](#)).

**23. Exempt from Emergency Planning and Community Right-to-Know Act (EPCRA):** [EPCRA](#) enhances **public safety** by ensuring first responders and communities have critical information to prevent and manage hazardous incidents, reducing risks to human health and the

environment. However, this facility's classification as a research and development facility (NAICS code [541715](#)) exempts Grace from much of this reporting.

**Effects on Minorities, Low-Income Households, and Children:**

**24. Environmental Justice Issues:** Many advanced recycling facilities are located in communities with a high percentage of **low-income** residents and **people of color** (NRDC, 2022, p. 7, *Beyond Plastics*, 2025). **The Environmental Justice (EJ) score of 29% indicated in Grace's MDE application is understated and misleading, as it does not include groups of minorities and low-income households who moved into residential communities adjacent to Grace after the 2020 census.** The 2020 census indicates a 54.33% minority population per Grace's EJ report (Maryland Department of the Environment [MDE], 2023, [Docket #16-23](#), p. 11). However, we believe as many as 80% of residents in Cedar Creek, all of whom moved in after the 2020 census, are people of color. Additionally, **Robinson Overlook Apartments, an affordable housing community adjacent to Grace's headquarters, only opened in August 2021** ([Woda Cooper Companies](#), 2021). **Outreach from Cedar Creek residents confirmed that Robinson Overlook residents are unaware of Grace's plans.**

**25. Growing Children in the Community:** The Cedar Creek neighborhood consists of 100+ children. Children breathe more air relative to their body weight than adults, breathing in 2 to 3 times as much air per minute, making them more susceptible to harmful air pollution ([Unicef](#), 2019).

**Benefits Do Not Outweigh Risks:**

**26. Current Evidence Suggests Benefits of Projects like Grace's are Overstated:** Of 11 constructed chemical recycling facilities in the U.S., two of these facilities closed in the first half of 2024: Regenyx in Oregon and Fulcrum in Nevada. Most of the remaining nine facilities are not operating at full capacity. Even if they were operating at full capacity, the remaining nine facilities could only process 1.2% of all U.S. plastic waste (*Beyond Plastics*, 2025). More concerning, a study published by the [Federal Government's Renewable Energy Lab](#), found that chemical recycling was actually 10-100 times worse for the environment than simply producing new, virgin plastic.

**27. Hours of Facility Operation Increase Risks:** The plant will operate 16 hours a day (Maryland Department of the Environment [MDE], 2023, [Docket #16-23](#), p. 16), five days a week, all year round, potentially for many years. The long-term cumulative effects of this persistent exposure on the health of children and adults residing just yards from the facility are unknown, but remain a major concern.

**28. Grace Has a Documented History of Contaminating this Location with Hazardous Waste, Suggesting this Project Carries Elevated Risks:** There is a public report on the [EPA's website](#) describing the efforts to clean-up environmental pollutants around Grace's headquarters. According to the EPA, "*The contaminants of concern include trichloroethene (TCE), 1,1,2,2-tetrachloroethane, tetrachloroethene, 1,1-dichloroethene, 1,1-dichloroethane, 1,2-dichloroethane, and trichlorofluoromethane.*"

Howard County's mission includes striving to be a place with safe and healthy communities. Vetoing or tabling CB11-2025, and allowing WR Grace to build this facility, will cause irreparable HARM to our community and surrounding communities. This includes health impacts to our children and elderly, safety impacts from possible leaks/fires/explosions, and environmental justice impacts to resources like Robinson Nature Preserve. The Howard County Planning Board unanimously approved the proposed ZRA-211 as they were concerned about the impacts to the community.

**As constituents and members of the Howard County community, we trust you to uphold the county's values to do the right thing and we urge you to [vote YES for CB11-2025 on March 3rd, 2025.](#)**

Thank you!  
Sincerely,  
Bimbisar Biswas  
Cedar Creek Resident.

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**From:** Rigby, Christiana  
**Sent:** Monday, February 24, 2025 10:15 AM  
**To:** Harrod, Michelle; Wimberly, Theodore; Anderson, Isaiah  
**Subject:** WR Grace / CB-11-2025

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

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**From:** Bridget Breese <bridgetmbreese@gmail.com>  
**Sent:** Friday, February 21, 2025 11:11 AM  
**To:** Rigby, Christiana <crigby@howardcountymd.gov>  
**Subject:** WR Grace / CB-11-2025

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Dear Ms. Rigby,

I am writing today to urge you to support CB-11-2025. This measure will protect our community and the communities surrounding the W.R. Grace campus from the deleterious health and safety impacts of the company's planned plastic R&D facility. Howard County residents deserve to reap the benefits of clean air and the peace of mind in knowing that their families are not being exposed to ongoing chemical emissions from this planned facility, nor must they live in constant fear of leaks and fires, very real possibilities.

W.R. Grace is planning on installing an incinerator (as determined by the EPA) on its campus next to and in the midst of Howard County communities. This is unacceptable. A project like this does not belong in our residential communities.

Despite Grace's assurances, we are not reassured that the impacts of this facility are negligible. W.R. Grace has demonstrated a careless approach and significant disregard to residents' opposition to this project. Given Grace's terrible track record in polluting communities, residents, employees, towns and surrounding environments (the movie A Civil Action is based on Grace negligence and abuse), coupled with the way in which they have handled this proposed plan, we strongly oppose this project.

We need you to stand up to Grace's lack of regard for our health and safety. I urge to vote in support of CB-11-2025 without any amendments.

I will be keenly watching your vote, which will greatly impact my future voting.

Thank you,

Bridget Breese, District 3 resident

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**From:** Rigby, Christiana  
**Sent:** Monday, February 24, 2025 10:14 AM  
**To:** Wimberly, Theodore; Harrod, Michelle; Anderson, Isaiah  
**Subject:** Support CB-11-2025

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

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**From:** camrodriguez23@gmail.com <camrodriguez23@gmail.com>  
**Sent:** Saturday, February 22, 2025 3:06 PM  
**To:** Rigby, Christiana <crigby@howardcountymd.gov>  
**Subject:** Support CB-11-2025

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Hello,

I am writing today to express my concerns about the W.R. Grace Research & Development center. This company has a bad track record of pollution throughout history, from asbestos to radioactive waste.

The Robinson Nature Center is a treasure, providing the citizens of Howard County recreational and educational value. The W.R. Grace Research and Development center will create pollution and waste via plastic melting.

We are living in a time where so many people in political positions simply don't believe in pollution or climate change, and therefore won't do anything about it and continue loosening regulations on companies like W.R. Grace. **Please, do the right thing for Howard County and support CB-11-2025.**

Thank You,  
Camila Rodriguez

Sent from my iPhone

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**From:** Rigby, Christiana  
**Sent:** Monday, February 24, 2025 10:14 AM  
**To:** Harrod, Michelle; Wimberly, Theodore; Anderson, Isaiah  
**Subject:** Support CB-11-2025

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

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**From:** Carissa Harper <carissabharper@gmail.com>  
**Sent:** Saturday, February 22, 2025 9:25 AM  
**To:** Rigby, Christiana <crigby@howardcountymd.gov>  
**Cc:** CouncilDistrict3@howardcountymd.gov  
**Subject:** Support CB-11-2025

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Dear Councilmember Rigby,

I am writing today to urge you to support CB-11-2025. This measure will protect our community and the communities surrounding the W.R. Grace campus from the deleterious health and safety impacts of the company's planned plastic R&D facility. Howard County residents deserve to reap the benefits of clean air and the peace of mind in knowing that their families are not being exposed to ongoing chemical emissions from this planned facility, nor must they live in constant fear of leaks and fires, very real possibilities.

W.R. Grace is planning on installing an incinerator (as determined by the EPA) on its campus next to and in the midst of Howard County communities. This is unacceptable. A project like this does not belong in our residential communities. As a homeowner in your district, this project does not have direct impact on our area, but I fear the precedent it will set if allowed to continue.

Despite Grace's assurances, we are not reassured that the impacts of this facility are negligible. W.R. Grace has demonstrated a careless approach and significant disregard to residents' opposition to this project. Given Grace's terrible track record in polluting communities, residents, employees, towns and surrounding environments (the movie A Civil Action is based on Grace negligence and abuse), coupled with the way in which they have handled this proposed plan, we strongly oppose this project.

We need you to stand up to Grace's lack of regard for our health and safety. I urge to vote in support of CB-11-2025 without any amendments.

I still remember our conversation on my front porch when you were seeking reelection. We discussed Emerge Maryland and your reason for running. Your devotion to this community was the reason you got our votes. Voting yes, is a continued show of devotion to the Howard County community.

Thank you!

Thank you,

Carissa Harper

Emerson Resident

Sent from my iPhone

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**From:** Goldscher, Paige  
**Sent:** Monday, February 24, 2025 10:13 AM  
**To:** Wimberly, Theodore; Harrod, Michelle; Anderson, Isaiah  
**Subject:** Please Vote to Halt W.R. Grace's Proposed Plastics R&D Facility

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

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**From:** Dave McRae <dkmcrae64@gmail.com>  
**Sent:** Saturday, February 22, 2025 5:32 PM  
**To:** Rigby, Christiana <crigby@howardcountymd.gov>  
**Cc:** CouncilDistrict3@howardcountymd.gov  
**Subject:** Please Vote to Halt W.R. Grace's Proposed Plastics R&D Facility

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Dear Councilmember Rigby,

I am writing today to urge you to support CB-11-2025. This measure will protect our community and the communities surrounding the W.R. Grace campus from the deleterious health and safety impacts of the company's planned plastic R&D facility. As a resident of Howard County for more than three decades, I believe all Howard County residents deserve to reap the benefits of clean air and the peace of mind in knowing that their families are not being exposed to ongoing chemical emissions from this planned facility, nor must they live in constant fear of leaks and fires, very real possibilities.

W.R. Grace is planning on installing an incinerator (as determined by the EPA) on its campus next to and in the midst of Howard County communities. This is unacceptable. A project like this does not belong in our residential communities.

Despite Grace's assurances, we are not reassured that the impacts of this facility are negligible. The stakes are too high to approve this facility and then wait and see if it actually turns out to be harmless to County residents and the environment over the years to come, or not. W.R. Grace has demonstrated a careless approach and significant disregard to residents' opposition to this project. Given Grace's terrible track record in polluting communities, residents, employees, towns and surrounding environments (the movie A Civil Action is based on Grace negligence and abuse), coupled with the way in which they have handled this proposed plan, we strongly oppose this project.

We need you to stand up to Grace's lack of regard for our health and safety. I urge you to vote in support of CB-11-2025 without any amendments.

I will be keenly watching your vote, which will greatly impact my future voting.



Thank you,  
David McRae  
10296 Shaker Drive  
Columbia, MD 21046  
(410) 615-4727  
[dkmcrae64@gmail.com](mailto:dkmcrae64@gmail.com)

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**From:** Rigby, Christiana  
**Sent:** Monday, February 24, 2025 10:15 AM  
**To:** Harrod, Michelle; Wimberly, Theodore; Anderson, Isaiah  
**Subject:** Support CB-11-2025

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

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**From:** Emily Godfrey <emgodfrey@gmail.com>  
**Sent:** Friday, February 21, 2025 11:10 AM  
**To:** Rigby, Christiana <crigby@howardcountymd.gov>  
**Subject:** Support CB-11-2025

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Dear Councilmember Rigby:

I am writing today to urge you to support CB-11-2025. This issue is very important to me. I have an MPH, and I have spent the last twenty years focused on the impacts of environmental exposures on human health. This measure will protect our community and the communities surrounding the W.R. Grace campus from the deleterious health and safety impacts of the company's planned plastic R&D facility. Howard County residents deserve to reap the benefits of clean air and the peace of mind in knowing that their families are not being exposed to ongoing chemical emissions from this planned facility, nor must they live in constant fear of leaks and fires, very real possibilities.

W.R. Grace is planning on installing an incinerator (as determined by the EPA) on its campus next to and in the midst of Howard County communities. This is unacceptable. A project like this does not belong in our residential communities.

Despite Grace's assurances, we are not reassured that the impacts of this facility are negligible. W.R. Grace has demonstrated a careless approach and significant disregard to residents' opposition to this project. Given Grace's terrible track record in polluting communities, residents, employees, towns and surrounding environments (the movie A Civil Action is based on Grace's negligence and abuse), coupled with the way in which they have handled this proposed plan, we strongly oppose this project.

We need you to stand up to Grace's lack of regard for our health and safety. I urge you to vote in support of CB-11-2025 without any amendments.

Thank you,  
Emily Godfrey

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Emily Godfrey, MPH

412-999-5207

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**From:** Rigby, Christiana  
**Sent:** Monday, February 24, 2025 10:14 AM  
**To:** Harrod, Michelle; Wimberly, Theodore; Anderson, Isaiah  
**Subject:** Stop WR Grace Project in Columbia

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

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**From:** Ferdinand Mayer <mayer.ferdinand78@gmail.com>  
**Sent:** Friday, February 21, 2025 4:20 PM  
**To:** Rigby, Christiana <crigby@howardcountymd.gov>  
**Subject:** Stop WR Grace Project in Columbia

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Dear Mrs. Rigby,

It was brought to my attention that WR Grace plans to install a research pilot plant for catalytic plastic conversion. My wife and I strongly oppose to this proposed installation. The application states that 0.218lbs per day of VOC will be emitted (please see below).

The research facility is next to a residential area in a valley, where winds will blow the emissions over Columbia, including my neighborhood.

WR Grace has a less than stellar track record when it comes to environmental regulation violations. Plus they do not necessarily know what kind of toxic components the Volatile Organic Compounds contain. It is a test facility.

The EPA will very likely de-funded by the current administration so there will be even less oversight and enforcement of guidelines.

Please do not approve this project!

COMPANY: WR Grace & Company

LOCATION: 7500 Grace Drive, Columbia, MD 21044

APPLICATION: Installation of a new research-scale pilot plant including small, R&Dscale reactors, chillers, separators, feeders, and samplers with an exhaust gas stream, cleaned by an electric, flameless thermal oxidizer.

MARYLAND DEPARTMENT OF ENVIRONMENT AIR AND RADIATION ADMINISTRATION FACT SHEET  
AND TENTATIVE DETERMINATION W.R. GRACE & CO. - CONN PROPOSED INSTALLATION OF ONE  
(1) NEW PILOT PLANT LINT

Page 6 states:

**TABLE I**  
**PROJECTED MAXIMUM EMISSIONS FROM THE PROPOSED INSTALLATION**

POLLUTANT	PROJECTED MAXIMUM EMISSIONS FROM PROPOSED INSTALLATION	
	(lbs/day)	(tons/year)
Nitrogen Dioxide (NO <sub>2</sub> )	0.011	0.001
Carbon Monoxide (CO)	0.002	0.0003
Volatile Organic Compounds (VOC)	0.218	0.027

Please keep Columbia clean! Please do not approve the project and ask other council members to vote against this application.

Sincerely,  
Ferdinand Mayer

Ferdinand and Annette Mayer  
443-538-2215  
12203 Green Shoot CT  
Columbia, MD 21044

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**From:** Hari Srinivasan <hari9870@gmail.com>  
**Sent:** Monday, February 24, 2025 8:58 PM  
**To:** CouncilDistrict1@howardcountymd.gov  
**Subject:** Support For CB11-2025  
**Attachments:** Reasons to Vote YES to CB11-2025 (3).pdf

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Councilwoman Walsh,

I emailing you to please vote “yes” for CB11-2025.

Please read the attached document that provides the reasons why you should.

Thanks,

Hari Srinivasan

Dear County Council Members,

Thank you for your attention to the grave concern of residents regarding the W.R. Grace Pilot Project. The Cedar Creek Community has summarized key findings and statistics on why advanced recycling is not safe near residential homes, which is endorsed **unanimously by the Howard County Planning Board** for your immediate review. We have also included flaws in Grace's permit application. **You will find many reasons below to vote YES to CB11-2025 to protect public health and stand behind your constituents.**

### **Unanimous Recommendation from Howard County Department of Planning & Zoning**

1. **Howard County Department of Planning & Zoning Recommendation:** DPZ reviewed all the facts and the 3 board members **unanimously** recommended for the Council to come up with legislation/amendments for the project not to be implemented so close to residential homes due to the potential hazards/risk of fire, leaks, and explosions. Board Member James Cecil testified for a bill presented by Senator Clarence Lam regarding rendering a tax credit to residents impacted by the pilot plant, and he suggested that the state should instead use the money contemplated for the tax credit to move the project to M-1, M-2 Districts.

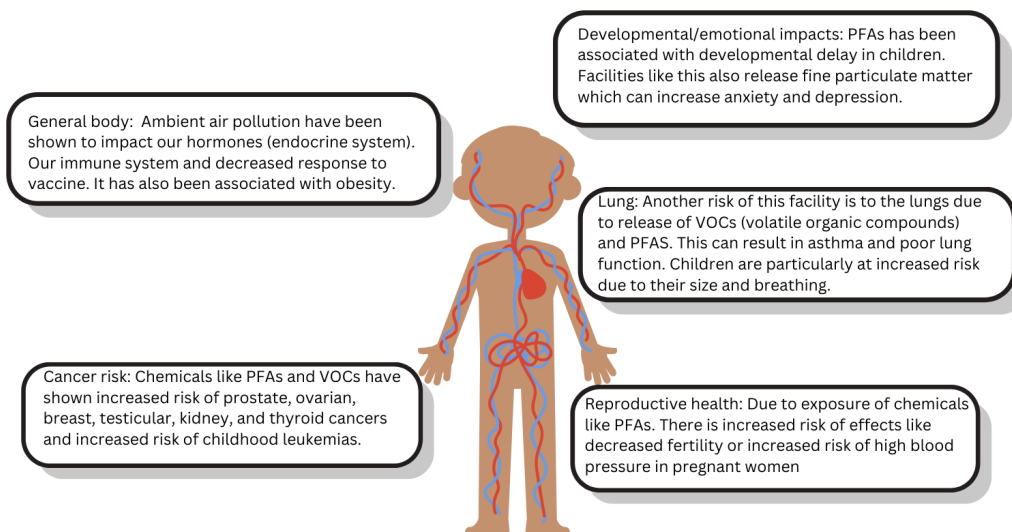
### **Flaws in Grace's Recycling Claims**

2. **Recycling Misconception:** The industry promotes chemical recycling as a solution to plastic waste, but it is often just a way to **greenwash** incineration ([NRDC](#), 2022, p. 1; [Beyond Plastics](#), 2025)
3. **EPA regulations define pyrolysis units as incinerators:** The EPA stated in a letter to the Maryland Department of the Environment that the W.R. Grace Pilot Plant "would meet the definition of an [Other Solid Waste Incinerator](#), as OSWI expressly includes pyrolysis units" (U.S. Environmental Protection Agency, Region 3. (2025, January 8). Applicability Determination Request - OSWI Rule and Proposed Pilot Plant in Maryland [Letter to Suna Yi Sariscak, Maryland Department of the Environment].).
4. **Energy Recovery:** Burning plastic for fuel (plastic-to-fuel) does not count as **recycling** by international standards, as it generates the same harmful pollutants as fossil fuels ([NRDC](#), 2022, p. 3). [HOWARD COUNTY ZONING REGULATIONS | Zoning | Howard County, MD | Municode Library](#)

### **Health and Environment Concerns of Plastic Incineration**

5. **Health Risks:** The chemicals released or disposed of by these facilities are highly toxic, with many being **carcinogenic**, **neurotoxic**, or **reproductive toxicants**. For instance, **VOC's** are among the substances that pose severe health risks, including cancer and developmental harm ([NRDC](#), 2022, p. 5,6) ([Dragon](#) et al. 2023) ([Smolker](#) et al, 2024) ([Brumberg](#) et al. 2021) ([EPA 2024](#)) ([American Lung Association 2024](#))

## How Outdoor Air Pollutants Impact our Health



### Citations:

1. [Brumberg et al. 2021](#): Ambient Air Pollution: Health Hazards to Children
2. [EPA 2024](#) Our Current Understanding of the Human Health and Environmental Risks of PFAS
3. [American Lung Association 2024](#) Volatile Organic Compounds
4. [Dragon et al 2023](#). Perfluoroalkyl Substances (PFAS) Affect Inflammation in Lung Cells and Tissues

6. **Hazardous Waste:** Most "chemical recycling" facilities in the U.S. are **not recycling plastic**, and instead, generate **hazardous waste** that is often incinerated ([NRDC](#), 2022, p. 3, 4; [Beyond Plastics](#), 2025).
7. **Air Pollution:** "Chemical recycling" facilities are known to release **hazardous air pollutants** like styrene, toluene, and dioxins. These pollutants are linked to serious health issues such as **cancer, birth defects, and respiratory problems** ([NRDC](#), 2022, p. 5,6; [Beyond Plastics](#), 2025).
8. **Polymer Burning Evidence in Grace's Own MDE Application:** Grace will burn 2,588 kg/yr of polymer following a gasification step in the reactor as indicated in their permit application. In addition, burning will also take place in the catalyst regeneration unit. (Maryland Department of the Environment [MDE], 2023, [Docket #16-23](#), p. 29 and p. 16, respectively).
9. **Harmful Chemicals:** About 16,000 chemical additives are used in making plastics. More than a quarter (4,200) of these chemicals are known to be harmful to human health and/or the environment while even more have not yet been studied ([PlastChem](#), 2024).



10. **Increased Risk as a Pilot Plant:** A study looking at health impacts on a similar facility concluded that hazards of a pilot-plant can be greater than those of a production plant, since pilot-plants are operated to test different process conditions, far from the optimized ones. ([Paladino et al, 2021](#)).

### Flaws in Grace's Claims that R&D Emissions will be Negligible

11. **An Independent Scientific Review Conducted for Maryland House of Delegates Concluded that Emissions Are Likely Greater than Stated by Grace:** Grace has strongly denied that there will be any emissions of PFAS, benzene, or other chemicals that residents have expressed concern about. However, **according to an independent chemical engineer, Dave Arndt who reviewed Grace's permit application for Maryland State Delegate [Jennifer R. Terrasa](#)**, *"W.R. Grace has stated that the materials that they are going to feed into their reactor are "hard to recycle" plastics, resin identification code 1-7. These plastics have been found to include the following items which have been documented to be released in incineration emissions: PFAS, Bisphenols, Phthalates, Chlorine, Florine, Lead, Cadmium, Selenium, Benzene, 1,2-dichloroethane, Chromium, Vinyl chloride, Barium, Styrene, Benzene, Toluene, Mercury, Arsenic, Dioxins, Ethyl benzene, Xylenes, Naphthalene, Acetaldehyde, Formaldehyde, Hydrochloric acid, Methanol, Hexane and PM2.5. Please note that this is not an all-inclusive list, there may be other compounds released depending on the plastic feedstock being used."* The above findings by Mr. Arndt are consistent with a near-unanimous consensus among the scientific community, all of which identify many of the above emissions as probable byproducts from similar incineration/pyrolysis operations.
12. **Grace's MDE Application Uses One Polymer as its Benchmark Feedstock for Emission Calculation Purposes, While Acknowledging that It May Use Several "Other" Polymers:** Grace says that its MDE application is focused on homogeneous polypropylene (*"The proposed Project is designed to process 1 kg/hr of commercially available plastic pellet feedstock (the benchmark feedstock can be 100% homogeneous polypropylene (PP))"*) but acknowledges the intention to use several other polymers as feedstock (*"However, a typical mixed plastic also can include low density polyethylene (LDPE), high density polyethylene (HDPE), polyethylene terephthalate (PET), polystyrene (PS), polyvinyl chloride (PVC), and others"*). The use of the term "others" in the list of polymers is a major concern, as it would open the door for Grace to include any type of polymer imaginable and potentially produce new kinds of emissions that are not contemplated in the initial report. (Maryland Department of the Environment [MDE], 2023, [Docket #16-23](#), p. 15).
13. **Chemical Recycling Facilities Release Pollutants that Can be Dangerous Regardless of R&D Size and Scale:** Even small R&D facilities release pollutants, and many of these pollutants (like benzene, dioxins, and VOCs) are harmful even in small amounts and have no safe threshold for exposure. According to Dave Arndt, the chemical engineer who reviewed Grace's permit application for Maryland State Delegate [Jennifer R. Terrasa](#), *"W.R. Grace only presents that 0.218 lb of VOCs will be emitted daily, however [they] don't give the chemical make-up of the VOCs being emitted. Some*

*VOCs are highly carcinogenic and even at that volume should not be release[d] to the public.”*

## **Grace’s Regulatory Non-Compliance and Application Omissions**

14. **Failure to Comply with the Clean Air Act:** As discussed earlier, Grace’s pyrolysis unit is classified as an “Other Solid Waste Incinerator.” [Federal Clean Air Act Section 129](#) addresses emissions from solid waste combustion, and incinerators are regulated under the Clean Air Act’s incinerator provision, [Section 7429](#). There is no mention of compliance with Sections 129 or 7429 of the Federal Clean Air Act in [Grace’s application](#) or MDE’s tentative determination for the permit. Both the text and legislative history of the Clean Air Act indicate that Congress intended Section 7429 to cover all facilities that combust solid waste, except those expressly exempted by Congress. Since Congress did not expressly exempt small units combusting plastic and other wastes from the Clean Air Act, they are still covered by the Act and need a Section 129 Clean Air Act permit. Indeed, subsequent court decisions have affirmed that Congress did intend to regulate these small facilities burning waste. [See *Sierra Club v. EPA*, 167 F.3d 658, 662 (D.C. Cir. 1999)].
15. **Permit Docket 16-23 and the Analysis of the Risks Focused on the Most Conservative Use Case W.R. Grace Will Conduct While W.R. Grace’s True Operation Are Expected to Scale Up and Experiment with Different Applications Beyond Those Identified in the Initial Application:** W.R. Grace makes various assumptions under their permit application while admitting that they may experiment with, or expand on, many fundamental elements in the permit. For example, they suggest 2.2lbs of plastic will be incinerated per hour while having no restrictions from increasing that amount. They also identify one type of homogeneous feedstock with allegedly less serious emissions concerns, while affording them unlimited latitude to expand the types of feedstocks used or the volumes to be used (all without oversight or restriction) based on the broad catch-all language in the permit to use “other types” as well ([see Section 11 in Permit Docket 16-23](#)). Grace’s identification of a “happy path” for purposes of obtaining the permit while using umbrella terms allowing them to expand without oversight or restriction is hugely concerning and should be expected (if the permit is approved on the condition that no expansion in the volume or application of uses be permitted beyond the exact types/quantities identified in the permit. W.R. Grace would surely object, as they’ve acknowledged such expansions are likely). (Testimony of Scott Purnell, VP of R&D- Refining Technologies at W.R. Grace & Co. February 19th, 2025).
16. **Zoning Non-Compliance:** Since the plant is established as an incineration facility, then the Zoning regulations of Howard County preclude the facility to be located in a PEC District. Bill No. 17-2021(ZRA-197), § 1, 5-6-2021; Bill No. 39-2023(ZRA-204), § 1, 11-6-2023) The Solid Waste District permits processing facilities for non-hazardous solid waste which are not covered elsewhere in the Zoning Regulations, while requiring detailed review of each proposal to evaluate its land use impacts and its potential contribution to the County’s solid waste management system. **Because many solid waste processing facilities are of a heavy industrial nature, the SW District is an**

overlay district which may be applied only to land in the M-2 District. [HOWARD COUNTY ZONING REGULATIONS](#)

17. **Grace's Emission Numbers Ignore Contributions from Several Factors, including:** Early plant trials; operation outside of steady-state (e.g. start-ups, shutdowns); catalyst regenerator venting; leaks; fugitive emissions; and accidents.
18. **Flaws in Grace's Environmental Justice Report:** Grace's Environmental Justice (EJ) report indicates that there are no high schools, grocery stores, or land restoration facilities within Census Tract 6055.05, Howard County, Maryland (Maryland Department of the Environment [MDE], 2023, [Docket #16-23](#), p. 9). However, public maps confirm that River Hill High School, the River Hill Shopping Center, and the Forest Retention Area on the property line between Cedar Creek and Grace all fall within this tract.
19. **Regulatory Concerns:** Many facilities are not subject to stringent regulations because some states have sought to reclassify chemical recycling as a non-solid waste facility, reducing oversight ([NRDC](#), 2022, p.7,8). MDE's grant funding from the federal government to oversee an operation like Grace's plant has been eliminated ([WYPR](#), 2025).

### Safety Concerns

20. **Incidents of Fires:** Two advanced recycling plants, **New Hope Energy** and **Brightmark**, experienced **fires** within the first year of operation, highlighting the potential safety hazards ([NRDC](#), 2022, p.8).
21. **Grace's Application Indicates there will be Fuel Storage and Transfer, which Increases Fire and Accident Risk:** Grace will be regularly producing, warehousing, and transporting multiple 55-gal drums of fuel and shipped to a third party waste treatment facility (Maryland Department of the Environment [MDE], 2023, [Docket #16-23](#), p. 16). This is not accurate reporting. Every drop needs to be accounted for, plus shipment dates and times, method of shipment and name of the treatment facility must be documented. Therefore, a hazardous liquid permit must also be obtained.
22. **Documented Accidents Involving the use of Pyrolysis Reactors and Thermal Oxidizers:** These include Husky Energy Refinery in 2018 in Superior, WI ([36 workers injured, 39,000 lb. of flammable hydrocarbons released](#)) and Exxon-Mobil in 2018 in Torrance, CA ([four contractors were injured, neighborhood was dusted with a coat of ash](#)).
23. **Exempt from Emergency Planning and Community Right-to-Know Act (EPCRA):** [EPCRA](#) enhances **public safety** by ensuring first responders and communities have critical information to prevent and manage hazardous incidents, reducing risks to human health and the environment. However, this facility's classification as a research and development facility (NAICS code [541715](#)) exempts Grace from much of this reporting.

### Effects on Minorities, Low-Income Households, and Children:

24. **Environmental Justice Issues:** Many advanced recycling facilities are located in communities with a high percentage of **low-income** residents and **people of color** (NRDC, 2022, p. 7, Beyond Plastics, 2025). **The Environmental Justice (EJ) score of**

**29% indicated in Grace’s MDE application is understated and misleading, as it does not include groups of minorities and low-income households who moved into residential communities adjacent to Grace after the 2020 census.** The 2020 census indicates a 54.33% minority population per Grace’s EJ report (Maryland Department of the Environment [MDE], 2023, [Docket #16-23](#), p. 11). However, we believe as many as 80% of residents in Cedar Creek, all of whom moved in after the 2020 census, are people of color. Additionally, **Robinson Overlook Apartments, an affordable housing community adjacent to Grace’s headquarters, only opened in August 2021** ([Woda Cooper Companies](#), 2021). **Outreach from Cedar Creek residents confirmed that Robinson Overlook residents are unaware of Grace’s plans.**

25. **Growing Children in the Community:** The Cedar Creek neighborhood consists of 100+ children. Children breathe more air relative to their body weight than adults, breathing in 2 to 3 times as much air per minute, making them more susceptible to harmful air pollution ([Unicef](#), 2019).

#### **Benefits Do Not Outweigh Risks:**

26. **Current Evidence Suggests Benefits of Projects like Grace’s are Overstated:** Of 11 constructed chemical recycling facilities in the U.S., two of these facilities closed in the first half of 2024: Regenyx in Oregon and Fulcrum in Nevada. Most of the remaining nine facilities are not operating at full capacity. Even if they were operating at full capacity, the remaining nine facilities could only process 1.2% of all U.S. plastic waste ([Beyond Plastics](#), 2025). More concerning, a study published by the [Federal Governments Renewable Energy Lab](#), found that chemical recycling was actually 10-100 times worse for the environment than simply producing new, virgin plastic.
27. **Hours of Facility Operation Increase Risks:** The plant will operate 16 hours a day (Maryland Department of the Environment [MDE], 2023, [Docket #16-23](#), p. 16), five days a week, all year round, potentially for many years. The long-term cumulative effects of this persistent exposure on the health of children and adults residing just yards from the facility are unknown, but remain a major concern.
28. **Grace Has a Documented History of Contaminating this Location with Hazardous Waste, Suggesting this Project Carries Elevated Risks:** There is a public report on the [EPA’s website](#) describing the efforts to clean-up environmental pollutants around Grace’s headquarters. According to the EPA, “*The contaminants of concern include trichloroethene (TCE), 1,1,2,2-tetrachloroethane, tetrachloroethene, 1,1-dichloroethene, 1,1-dichloroethane, 1,2-dichloroethane, and trichlorofluoromethane.*”

Howard County’s mission includes striving to be a place with safe and healthy communities. Vetoing or tabling CB11-2025, and allowing WR Grace to build this facility, will cause irreparable HARM to our community and surrounding communities. This includes health impacts to our children and elderly, safety impacts from possible leaks/fires/explosions, and environmental justice impacts to resources like Robinson Nature Preserve. The Howard County Planning Board unanimously approved the proposed ZRA-211 as they were concerned about the impacts to the community.

**As constituents and members of the Howard County community, we trust you to uphold the county's values to do the right thing and we urge you to vote YES for CB11-2025 on March 3rd, 2025.**

Thank you!

Sincerely,

Cedar Creek Residents

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**From:** Rigby, Christiana  
**Sent:** Monday, February 24, 2025 10:14 AM  
**To:** Harrod, Michelle; Wimberly, Theodore; Anderson, Isaiah  
**Subject:** Need your Support for CB-11-2025

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

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**From:** Janet Schreiberstein <janet@schreibmail.com>  
**Sent:** Friday, February 21, 2025 6:54 PM  
**To:** Rigby, Christiana <crigby@howardcountymd.gov>  
**Cc:** CouncilDistrict3@howardcountymd.gov  
**Subject:** Need your Support for CB-11-2025

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Dear Councilmember Rigby:

It is very important that you support CB-11-2025. This measure will protect our community and the communities surrounding the W.R. Grace campus from the deleterious health and safety impacts of the company's planned plastic R&D facility. Howard County residents deserve to reap the benefits of clean air and the peace of mind in knowing that their families are not being exposed to ongoing chemical emissions from this planned facility, nor must they live in constant fear of leaks and fires, very real possibilities.

The presence of the incinerator W.R. Grace is planning on installing on its campus next to and in the midst of Howard County communities is unacceptable. A project like this does not belong in our residential communities.

W.R. Grace tries to say this will cause no harm but we are not reassured that the impacts of this facility are negligible. W.R. Grace has demonstrated a careless approach and significant disregard to residents' opposition to this project. Given Grace's terrible track record in polluting communities, residents, employees, towns and surrounding environments (the movie A Civil Action is based on Grace negligence and abuse), coupled with the way in which they have handled this proposed plan, we strongly oppose this project.

We need you to stand up to Grace's lack of regard for our health and safety. I urge to vote in support of CB-11-2025 without any amendments.

I am counting on your vote to **vote for CB-11-2025**. This will make a difference in my future voting. A **yes vote** will make a great difference to our community.

Thank you,

*Janet*

Janet Schreiberstein

Beaverbrook, Columbia, MD

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**From:** Rigby, Christiana  
**Sent:** Monday, February 24, 2025 10:15 AM  
**To:** Harrod, Michelle; Wimberly, Theodore; Anderson, Isaiah  
**Subject:** Pkease Support CB-11-2025

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

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**From:** Katie Surine <ksurine48@gmail.com>  
**Sent:** Friday, February 21, 2025 12:38 PM  
**To:** Rigby, Christiana <crigby@howardcountymd.gov>  
**Cc:** CouncilDistrict3@howardcountymd.gov  
**Subject:** Pkease Support CB-11-2025

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Dear Councilmember Crigby,

I am writing today to urge you to support CB-11-2025. This measure will protect our community and the communities surrounding the W.R. Grace campus from the deleterious health and safety impacts of the company's planned plastic R&D facility. Howard County residents deserve to reap the benefits of clean air and the peace of mind in knowing that their families are not being exposed to ongoing chemical emissions from this planned facility, nor must they live in constant fear of leaks and fires, very real possibilities.

W.R. Grace is planning on installing an incinerator (as determined by the EPA) on its campus next to and in the midst of Howard County communities. This is unacceptable. A project like this does not belong in our residential communities.

Despite Grace's assurances, we are not reassured that the impacts of this facility are negligible. W.R. Grace has demonstrated a careless approach and significant disregard to residents' opposition to this project. Given Grace's terrible track record in polluting communities, residents, employees, towns and surrounding environments (the movie A Civil Action is based on Grace negligence and abuse), coupled with the way in which they have handled this proposed plan, we strongly oppose this project.

We need you to stand up to Grace's lack of regard for our health and safety. I urge to vote in support of CB-11-2025 without any amendments.

Thank you,  
Katie Surine  
Owen Brown Village Resident



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**From:** Sos Aloha <sos.aloha@yahoo.com>  
**Sent:** Monday, February 24, 2025 11:05 PM  
**To:** Walsh, Elizabeth; CouncilDistrict1@howardcountymd.gov  
**Subject:** Support CB-11-2025: Stop Grace from polluting our neighborhood!

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Dear Council Member Walsh,

I am an Air Force veteran, married to Air Force retired, with two sons serving in the Air Force (Washington State and Guam). I volunteer in the community, reaching out to those in need by helping them navigate through the resources available to them. I coordinate our church's donation center where we accept items to help others in need: non-perishable food for Ho Co Food Bank; pet supplies for Small Miracles Animal Rescue in Ellicott City; household items for Home of Our Own; and baby items for the Jessup Baby/Toddler Pantry. When asked, I advise folks where to donate items to other charities. I previously served six (6) years on the PTA at Atholton High School, the last year as the president because no one else would do it. I tackled long-standing issues to ensure all students were served.

My husband volunteers on Fort Meade with military youth. He sings in the choir at Abiding Savior Lutheran Church; and created a "joint bell choir" between ASLC and Savage United Methodist Church, demonstrating unity in our faith.

I share this information so you understand that even those we are military transplants, we are embedded in our community to make it a better place.

We chose to live in Howard County for its excellent schools, diverse communities, and top-notch commitment to the environment.

That commitment to the environment is now being challenged by W.R. Grace & Co. Let me be frank - ***who thinks burning plastic is a good thing?*** If you think so, then please move your family next to Grace.

I have spoken with families who currently live near Grace - they have experienced significant health challenges, including higher than average cancer in children, from Grace's current activities. How could such blatant disregard for residents' well-being take place in Howard County?

Don't we have enough challenges with President Trump and his MAGA army destroying the federal government and polluting our environment? How about we focus Howard County on that which makes us special - excellent schools, diverse communities, and commitment to the environment.

**PLEASE SUPPORT CB-11-2025 TO STOP W.R. GRACE & CO. FROM POLLUTING OUR NEIGHBORHOODS!**

Sincerely,

Kim Lowe  
6072 Sunny Spring  
Columbia, MD 21044  
301-776-5219

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**From:** Krithika K7 <krithikak7@gmail.com>  
**Sent:** Monday, February 24, 2025 8:22 PM  
**To:** CouncilDistrict1@howardcountymd.gov  
**Subject:** STOP WR Grace Plastic burning- Please Vote Yes to CB11-2025

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Dear Council member,

My name is Krithika Kesavan, I live in cedar creek community which is in very close proximity to W.R Grace company pilot plant. Me and my family testified in person in both the hearings.

Please see attached the reasons and facts documented for your perusal.

On behalf of my two young daughters 7year old and 3 year old , my mother who is a heart patient, we beg you to vote Yes to pass the bill CB11-2025 and to STOP grace from burning plastics or do any sort chemical recycling near my home. My and my family will forever be grateful to your and council crew members.

 [Reasons to Vote YES to CB11-2025](#)

Thanks,  
Krithika Kesavan

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**From:** laurajane5422@everyactioncustom.com on behalf of Laura Marinelli <laurajane5422@everyactioncustom.com>  
**Sent:** Monday, February 24, 2025 5:55 PM  
**To:** CouncilMail  
**Subject:** Support CB11-2025 for a safe buffer between WR Grace and surrounding neighborhoods

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Dear Howard County Council,

As a Marylander, I'm deeply concerned by W.R. Grace's proposed "advanced recycling" pilot plant. This plant would spew carcinogenic air pollution just 70 meters from local homes in the Cedar Creek neighborhood of Columbia, Maryland.

Let's be clear. "Advanced recycling" is neither advanced nor recycling. This is just a misleading term for burning plastic waste and turning our plastic pollution problem into an air pollution problem. Read more about this harmful practice here:

<https://gcc02.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.momscleanairforce.org%2Fresources%2Fchemical-recycling-101%2F&data=05%7C02%7Cianderson%40howardcountymd.gov%7Cd360d088534144606aa408dd552638ff%7C0538130803664bb7a95b95304bd11a58%7C1%7C0%7C638760344848989704%7CUnknown%7CTWFpbGZsb3d8eyJFbXB0eU1hcGkiOnRydWUsIlYiOiIwLjAuMDAwMCIsIlAiOiJXaW4zMlIsIkFOIjoiTWFpbCIsIldUIjoyfQ%3D%3D%7C0%7C%7C%7C&sdata=jAKoDHjCSvfGU2ZT8nvVU13FVm2Ey1WJcGRDQ0eJj9g%3D&reserved=0>

I urge you to support CB11-2025 to ensure a safe buffer between corporations like W.R. Grace conducting research and development (R&D) and residential neighborhoods.

This proposed facility not only will spew cancerous air pollution, but also is susceptible to fires, explosions, accidents, leaks, and more due to its experimental nature. Residents must be protected from these potential catastrophes by ensuring a safe buffer.

It is crucial that the Howard County Council listens to concerned community members and holds W.R. Grace accountable to public health standards. Please do not set the precedent that chemical companies and serial polluters like W.R. Grace can freely pollute and harm our communities. If this can happen in Cedar Creek, it can happen anywhere. Please protect Maryland families and keep our state safe.

Sincerely,  
Laura Marinelli  
288 E Padonia Rd Lutherville Timonium, MD 21093-1243 laurajane5422@gmail.com

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**From:** Lauren Lewkowicz <laurenlewk@gmail.com>  
**Sent:** Monday, February 24, 2025 3:53 PM  
**To:** Walsh, Elizabeth  
**Subject:** support For CB-11-2025

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Dear Liz Walsh

I am writing today to urge you to support CB-11-2025. This measure will protect our community and the communities surrounding the W.R. Grace campus from the deleterious health and safety impacts of the company's planned plastic R&D facility. Howard County residents deserve to reap the benefits of clean air and the peace of mind in knowing that their families are not being exposed to ongoing chemical emissions from this planned facility, nor must they live in constant fear of leaks and fires, very real possibilities.

W.R. Grace is planning on installing an incinerator (as determined by the EPA) on its campus next to and in the midst of Howard County communities. This is unacceptable. A project like this does not belong in our residential communities.

Despite Grace's assurances, we are not reassured that the impacts of this facility are negligible. W.R. Grace has demonstrated a careless approach and significant disregard to residents' opposition to this project. Given Grace's terrible track record in polluting communities, residents, employees, towns and surrounding environments (the movie A Civil Action is based on Grace negligence and abuse), coupled with the way in which they have handled this proposed plan, we strongly oppose this project.

We need you to stand up to Grace's lack of regard for our health and safety. I urge to vote in support of CB-11-2025 without any amendments.

I will be keenly watching your vote, which will greatly impact my future voting.

Thank you,  
Lauren Lewkowicz

---

**From:** Manasa Kuppalli <manasa.kuppalli@gmail.com>  
**Sent:** Monday, February 24, 2025 1:43 PM  
**To:** CouncilDistrict1@howardcountymd.gov; CouncilDistrict2@howardcountymd.gov; CouncilDistrict3@howardcountymd.gov; CouncilDistrict4@howardcountymd.gov; CouncilDistrict5@howardcountymd.gov; Yungmann, David; Jung, Debra  
**Subject:** Legislation to Support CB11-202

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Hello

My family and I are part of the Pointers Run community in River Hill. We are opposed to the proposed plastics R&D facility that Grace is trying to build. I am deeply concerned about the risks of fires, leaks and toxic emissions to our community, and the risk to our health. Even the smallest amounts of chemicals could be detrimental to the health of my family and our community. We love where we live as new residents to the community, and do not want to regret our decision moving there. It will also be a huge turnoff to potential home buyers as well. Lets keep Columbia safe and clean from pollutants.

Thank you,

--

Manasa Kuppalli  
[Manasa.Kuppalli@gmail.com](mailto:Manasa.Kuppalli@gmail.com) | 443.528.3849

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**From:** Rigby, Christiana  
**Sent:** Monday, February 24, 2025 10:15 AM  
**To:** Harrod, Michelle; Wimberly, Theodore; Anderson, Isaiah  
**Subject:** FW: CB-11-2025

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

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**From:** Mark Udey <mark.udey@gmail.com>  
**Sent:** Friday, February 21, 2025 9:16 AM  
**To:** Rigby, Christiana <crigby@howardcountymd.gov>; CouncilDistrict3@howardcountymd.gov  
**Subject:** CB-11-2025

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Dear Councilwoman Rigby:

I have written to you about this issue previously.

Herein I reiterate that I strongly oppose construction and operation of the pilot plastic incineration device at WR Grace headquarters here in Columbia, It poses health and safety risks that are unnecessary and unjustified.

Please support CB-11-2025 and halt this process.

Sincerely,

Mark C. Udey  
7341 Wildwood Court  
Columbia, MD 21046  
240 888 8308

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**From:** Rigby, Christiana  
**Sent:** Monday, February 24, 2025 10:14 AM  
**To:** Harrod, Michelle; Anderson, Isaiah; Wimberly, Theodore  
**Subject:** Plastic Research by Grace

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

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**From:** Mother Bear <bearcarolina@gmail.com>  
**Sent:** Saturday, February 22, 2025 4:37 PM  
**To:** Rigby, Christiana <crigby@howardcountymd.gov>; CouncilDistrict3@howardcountymd.gov  
**Subject:** Plastic Research by Grace

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Hello:

I am a constituent in King's Contrivance and also a proud Mom. I remember you and thank you for taking the time to visit Atholton Elementary when my son was small, to watch their mock government arguments. I also remember your intelligence and forthright manner when you were door knocking and I have voted for you.

I would not allow Grace to burn, emit, or alter plastics in residential areas. People come to HoCo to raise healthy families. Every week there is an article about the great harm caused by exposure to plastics and how microplastics are in our brains and even the placentas of pregnant people.

I grew up in a Pennsylvania town where manufacturers ran roughshod over rules. The big creek that runs through town smelled so strongly of chemicals that we would be dizzy on hot days. At night the breeze would bring the nauseating sulfur stench from a paper company in Hanover, PA. Many houses are old and have lead pipes. Then we survived the Three Mile Island Nuclear Accident that many believe was covered up?

The rates of cancer and other illnesses and abnormalities seem high in that area. No one looks into it and no one gets a dime to help their family. Those companies polluted the environment and then moved the jobs overseas.

In my Gen X age group, there are a suspicious number of early deaths from cancer and Lupus and the list goes on. I am myself debilitated.

There are places that this company can go that are less densely populated and perhaps they should be far away from ground water, rivers, and lakes.

Respectfully-

Melissa Berry- Carolina  
(443)413-8287



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**From:** Mustafa Omarzad <mu\_omarzad@yahoo.com>  
**Sent:** Monday, February 24, 2025 8:23 PM  
**To:** CouncilDistrict1@howardcountymd.gov  
**Subject:** Reasons to vote YES to CB11-2025

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Dear County Council Members,

Thank you for your attention to the grave concern of residents regarding the W.R. Grace Pilot Project. The Cedar Creek Community has summarized key findings and statistics on why advanced recycling is not safe near residential homes, which is endorsed **unanimously by the Howard County Planning Board** for your immediate review. We have also included flaws in Grace's permit application. **You will find many reasons below to vote YES to CB11-2025 to protect public health and stand behind your constituents.**

#### **Unanimous Recommendation from Howard County Department of Planning & Zoning**

1. **Howard County Department of Planning & Zoning Recommendation:** DPZ reviewed all the facts and the 3 board members **unanimously** recommended for the Council to come up with legislation/amendments for the project not to be implemented so close to residential homes due to the potential hazards/risk of fire, leaks, and explosions. Board Member James Cecil testified for a bill presented by Senator Clarence Lam regarding rendering a tax credit to residents impacted by the pilot plant, and he suggested that the state should instead use the money contemplated for the tax credit to move the project to M-1, M-2 Districts.

#### **Flaws in Grace's Recycling Claims**

2. **Recycling Misconception:** The industry promotes chemical recycling as a solution to plastic waste, but it is often just a way to **green wash** incineration (NRDC, 2022, p. 1; [Beyond Plastics](#), 2025)

3. **EPA regulations define pyrolysis units as incinerators:** The EPA stated in a letter to the Maryland Department of the Environment that the W.R. Grace Pilot Plant "would meet the definition of an [Other Solid Waste Incinerator](#), as OSWI expressly includes pyrolysis units" (U.S. Environmental Protection Agency, Region 3. (2025, January 8). Applicability Determination Request - OSWI Rule and Proposed Pilot Plant in Maryland [Letter to Suna Yi Sariscak, Maryland Department of the Environment].)

4. **Energy Recovery:** Burning plastic for fuel (plastic-to-fuel) does not count as **recycling** by international standards, as it generates the same harmful pollutants as fossil fuels (NRDC, 2022, p. 3). [HOWARD COUNTY ZONING REGULATIONS | Zoning | Howard County, MD | Municode Library](#)

#### **Health and Environment Concerns of Plastic Incineration**

5. **Health Risks:** The chemicals released or disposed of by these facilities are highly toxic, with many being **carcinogenic, neurotoxic, or reproductive toxicants**. For instance, **VOC's** are among the substances that pose severe health risks, including cancer and developmental harm (NRDC, 2022, p. 5,6) ([Dragon et al. 2023](#)) ([Smolker et al, 2024](#)) ([Brumberg et al. 2021](#)) ([EPA 2024](#)) ([American Lung Association 2024](#))

# How Outdoor Impact c

General body: Ambient air pollution have been shown to impact our hormones (endocrine system). Our immune system and decreased response to vaccine. It has also been associated with obesity.

Cancer risk: Chemicals like PFAs and VOCs have shown increased risk of prostate, ovarian, breast, testicular, kidney, and thyroid cancers and increased risk of childhood leukemias.

6. **Hazardous Waste:** Most "chemical recycling" facilities in the U.S. are **not recycling plastic**, and instead, generate **hazardous waste** that is often incinerated (NRDC, 2022, p. 3, 4; [Beyond Plastics](#), 2025).

7. **Air Pollution:** "Chemical recycling" facilities are known to release **hazardous air pollutants** like styrene, toluene, and dioxins. These pollutants are linked to serious health issues such as **cancer, birth defects, and respiratory problems** (NRDC, 2022, p. 5,6; [Beyond Plastics](#), 2025).

8. **Polymer Burning Evidence in Grace's Own MDE Application:** Grace will burn 2,588 kg/yr of polymer following a gasification step in the reactor as indicated in their permit application. In addition, burning will also take place in the catalyst regeneration unit. (Maryland Department of the Environment [MDE], 2023, [Docket #16-23](#), p. 29 and p. 16, respectively).

9. **Harmful Chemicals:** About 16,000 chemical additives are used in making plastics. More than a quarter (4,200) of these chemicals are known to be harmful to human health and/or the environment while even more have not yet been studied ([PlastChem](#), 2024).

10. **Increased Risk as a Pilot Plant:** A study looking at health impacts on a similar facility concluded that hazards of a pilot-plant can be greater than those of a production plant, since pilot-plants are operated to test different process conditions, far from the optimized ones. ([Paladino et al](#), 2021).

#### **Flaws in Grace's Claims that R&D Emissions will be Negligible**

11. **An Independent Scientific Review Conducted for Maryland House of Delegates Concluded that Emissions Are Likely Greater than Stated by Grace:** Grace has strongly denied that there will be any emissions of PFAS, benzene, or other chemicals that residents have expressed concern about. However, **according to an independent chemical engineer, Dave Arndt who reviewed Grace's permit application for Maryland State Delegate Jennifer R. Terrasa**, "*W.R. Grace has stated that the materials that they are going to feed into their reactor are "hard to recycle" plastics, resin identification code 1-7. These plastics have been found to include the following items which have been documented to be released in incineration emissions: PFAS, Bisphenols, Phthalates, Chlorine, Florine, Lead, Cadmium, Selenium, Benzene, 1,2-dichloroethane, Chromium, Vinyl chloride, Barium, Styrene, Benzene, Toluene, Mercury, Arsenic, Dioxins, Ethyl benzene, Xylenes, Naphthalene, Acetaldehyde, Formaldehyde, Hydrochloric acid, Methanol, Hexane and PM2.5. Please note that this is not an all-inclusive list, there may be other compounds released depending on the plastic feedstock being used.*" The above findings by Mr. Arndt are consistent with a near-unanimous consensus among the scientific community, all of which identify many of the above emissions as probable byproducts from similar incineration/pyrolysis operations.

12. **Grace's MDE Application Uses One Polymer as its Benchmark Feedstock for Emission Calculation Purposes, While Acknowledging that It May Use Several "Other" Polymers:** Grace says that its MDE application is focused on homogeneous polypropylene ("*The proposed Project is designed to process 1 kg/hr of commercially available plastic pellet feedstock (the benchmark feedstock can be 100% homogeneous polypropylene (PP))*") but acknowledges the intention to use several other polymers as feedstock ("*However, a typical mixed plastic also can include low density polyethylene (LDPE), high density polyethylene (HDPE), polyethylene terephthalate (PET), polystyrene (PS), polyvinyl chloride (PVC), and others*"). The use of the term "others" in the list of polymers is a major concern, as it would open the door for Grace to include any type of polymer imaginable and potentially produce new kinds of emissions that are not contemplated in the initial report. (Maryland Department of the Environment [MDE], 2023, [Docket #16-23](#), p. 15).

13. **Chemical Recycling Facilities Release Pollutants that Can be Dangerous Regardless of R&D Size and Scale:** Even small R&D facilities release pollutants, and many of these pollutants (like benzene, dioxins, and VOCs) are harmful even in small amounts and have no safe threshold for exposure. According to Dave Arndt, the chemical engineer who reviewed Grace's permit application for Maryland State Delegate [Jennifer R. Terrasa](#), "*W.R. Grace only presents that 0.218 lb of VOCs will be emitted daily, however [they] don't give the chemical make-up of the VOCs being emitted. Some VOCs are highly carcinogenic and even at that volume should not be released to the public.*"

#### **Grace's Regulatory Non-Compliance and Application Omissions**

14. **Failure to Comply with the Clean Air Act:** As discussed earlier, Grace's pyrolysis unit is classified as an "Other Solid Waste Incinerator." [Federal Clean Air Act Section 129](#) addresses emissions from solid waste combustion, and incinerators are regulated under the Clean Air Act's incinerator provision, [Section 7429](#). There is no mention of compliance with Sections 129 or 7429 of the Federal Clean Air Act in [Grace's application](#) or MDE's tentative determination for the permit. Both the text and legislative history of the Clean Air Act indicate that Congress intended Section 7429 to cover all facilities that combust solid waste, except those expressly exempted by Congress. Since Congress did not expressly exempt small units combusting plastic and other wastes from the Clean Air Act, they are still covered by the Act and need a Section 129 Clean Air Act permit. Indeed, subsequent court decisions have affirmed that Congress did intend to regulate these small facilities burning waste. [See *Sierra Club v. EPA*, 167 F.3d 658, 662 (D.C. Cir. 1999)].

15. **Permit Docket 16-23 and the Analysis of the Risks Focused on the Most Conservative Use Case W.R. Grace Will Conduct While W.R. Grace's True Operation Are Expected to Scale Up and Experiment with Different Applications Beyond Those Identified in the Initial Application:** W.R. Grace makes various assumptions under their permit application while admitting that they may experiment with, or expand on, many fundamental elements in the permit. For example, they suggest 2.2lbs of plastic will be incinerated per hour while having no restrictions from increasing that amount. They also identify one type of homogeneous feedstock with allegedly less serious emissions concerns, while affording them unlimited latitude to expand the types of feedstocks used or the volumes to be used (all without oversight or restriction) based on the broad catch-all language in the permit to use "other types" as well ([see Section 11 in Permit Docket 16-23](#)). Grace's identification of a "happy path" for purposes of obtaining the permit while using umbrella terms allowing them to expand without oversight or restriction is hugely concerning and should be expected (if the permit is approved on the condition that no expansion in the volume or application of uses be permitted beyond the exact types/quantities identified in the permit. W.R. Grace would surely object, as they've acknowledged such expansions are likely). (Testimony of Scott Purnell, VP of R&D- Refining Technologies at W.R. Grace & Co. February 19th, 2025).

**16. Zoning Non-Compliance:** Since the plant is established as an incineration facility, then the Zoning regulations of Howard County preclude the facility to be located in a PEC District. Bill No. 17-2021(ZRA-197), § 1, 5-6-2021; Bill No. 39-2023(ZRA-204), § 1, 11-6-2023) The Solid Waste District permits processing facilities for non-hazardous solid waste which are not covered elsewhere in the Zoning Regulations, while requiring detailed review of each proposal to evaluate its land use impacts and its potential contribution to the County's solid waste management system. **Because many solid waste processing facilities are of a heavy industrial nature, the SW District is an overlay district which may be applied only to land in the M-2 District.** [HOWARD COUNTY ZONING REGULATIONS](#)

**17. Grace's Emission Numbers Ignore Contributions from Several Factors, including:** Early plant trials; operation outside of steady-state (e.g. start-ups, shutdowns); catalyst regenerator venting; leaks; fugitive emissions; and accidents.

**18. Flaws in Grace's Environmental Justice Report:** Grace's Environmental Justice (EJ) report indicates that there are no high schools, grocery stores, or land restoration facilities within Census Tract 6055.05, Howard County, Maryland (Maryland Department of the Environment [MDE], 2023, [Docket #16-23](#), p. 9). However, public maps confirm that River Hill High School, the River Hill Shopping Center, and the Forest Retention Area on the property line between Cedar Creek and Grace all fall within this tract.

**19. Regulatory Concerns:** Many facilities are not subject to stringent regulations because some states have sought to reclassify chemical recycling as a non-solid waste facility, reducing oversight ([NRDC](#), 2022, p.7,8). MDE's grant funding from the federal government to oversee an operation like Grace's plant has been eliminated ([WYPR](#), 2025).

### **Safety Concerns**

**20. Incidents of Fires:** Two advanced recycling plants, **New Hope Energy** and **Brightmark**, experienced **fires** within the first year of operation, highlighting the potential safety hazards ([NRDC](#), 2022, p.8).

**21. Grace's Application Indicates there will be Fuel Storage and Transfer, which Increases Fire and Accident Risk:** Grace will be regularly producing, warehousing, and transporting multiple 55-gal drums of fuel and shipped to a third party waste treatment facility (Maryland Department of the Environment [MDE], 2023, [Docket #16-23](#), p. 16). This is not accurate reporting. Every drop needs to be accounted for, plus shipment dates and times, method of shipment and name of the treatment facility must be documented. Therefore, a hazardous liquid permit must also be obtained.

**22. Documented Accidents Involving the use of Pyrolysis Reactors and Thermal Oxidizers:** These include Husky Energy Refinery in 2018 in Superior, WI ([36 workers injured, 39,000 lb. of flammable hydrocarbons released](#)) and Exxon-Mobil in 2018 in Torrance, CA ([four contractors were injured, neighborhood was dusted with a coat of ash](#)).

**23. Exempt from Emergency Planning and Community Right-to-Know Act (EPCRA):** [EPCRA](#) enhances **public safety** by ensuring first responders and communities have critical information to prevent and manage hazardous incidents, reducing risks to human health and the environment. However, this facility's classification as a research and development facility (NAICS code [541715](#)) exempts Grace from much of this reporting.

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**24. Environmental Justice Issues:** Many advanced recycling facilities are located in communities with a high percentage of **low-income** residents and **people of color** ([NRDC](#), 2022, p. 7, [Beyond Plastics](#), 2025). **The Environmental Justice (EJ) score of 29% indicated in Grace's MDE application is understated and misleading, as it does not include groups of minorities and low-income households who moved into residential communities adjacent to Grace after the 2020 census.** The 2020 census indicates a 54.33% minority population per Grace's EJ report (Maryland Department of the Environment [MDE], 2023, [Docket #16-23](#), p. 11). However, we believe as many as 80% of residents in Cedar Creek, all of whom moved in after the 2020 census, are people of color. Additionally, **Robinson Overlook Apartments, an affordable housing community adjacent to Grace's headquarters, only opened in August 2021** ([Woda Cooper Companies](#), 2021). **Outreach from Cedar Creek residents confirmed that Robinson Overlook residents are unaware of Grace's plans.**

**25. Growing Children in the Community:** The Cedar Creek neighborhood consists of 100+ children. Children breathe more air relative to their body weight than adults, breathing in 2 to 3 times as much air per minute, making them more susceptible to harmful air pollution ([Unicef](#), 2019).

### **Benefits Do Not Outweigh Risks:**

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**27. Hours of Facility Operation Increase Risks:** The plant will operate 16 hours a day (Maryland Department of the Environment [MDE], 2023, [Docket #16-23](#), p. 16), five days a week, all year round, potentially for many years. The long-term cumulative effects of this persistent exposure on the health of children and adults residing just yards from the facility are unknown, but remain a major concern.

**28. Grace Has a Documented History of Contaminating this Location with Hazardous Waste, Suggesting this Project Carries Elevated Risks:** There is a public report on the [EPA's website](#) describing the efforts to clean-up environmental pollutants around Grace's headquarters. According to the EPA, "*The contaminants of concern include trichloroethene (TCE), 1,1,2,2-tetrachloroethane, tetrachloroethene, 1,1-dichloroethene, 1,1-dichloroethane, 1,2-dichloroethane, and trichlorofluoromethane.*"

Howard County's mission includes striving to be a place with safe and healthy communities. Vetoing or tabling CB11-2025, and allowing WR Grace to build this facility, will cause irreparable HARM to our community and surrounding communities. This includes health impacts to our children and elderly, safety impacts from possible leaks/fires/explosions, and environmental justice impacts to resources like Robinson Nature Preserve. The Howard County Planning Board unanimously approved the proposed ZRA-211 as they were concerned about the impacts to the community.

**As constituents and members of the Howard County community, we trust you to uphold the county's values to do the right thing and we urge you to **vote YES for CB11-2025 on March 3rd, 2025.****

Thank you!

Sincerely,  
Mustafa Omarzad  
Cedar Creek Resident.

---

**From:** Goldscher, Paige  
**Sent:** Monday, February 24, 2025 10:08 AM  
**To:** Harrod, Michelle; Wimberly, Theodore; Anderson, Isaiah  
**Subject:** Support Clean Air in Howard County!

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

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**From:** Godfather <kodak1973@yahoo.com>  
**Sent:** Sunday, February 23, 2025 1:00 PM  
**To:** Rigby, Christiana <crigby@howardcountymd.gov>  
**Subject:** Support Clean Air in Howard County!

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Dear MS Rigby,

I am writing today to urge you to support CB-11-2025. This measure will protect our community and the communities surrounding the W.R. Grace campus from the deleterious health and safety impacts of the company's planned plastic R&D facility. Howard County residents deserve to reap the benefits of clean air and the peace of mind in knowing that their families are not being exposed to ongoing chemical emissions from this planned facility, nor must they live in constant fear of leaks and fires, very real possibilities.

W.R. Grace is planning on installing an incinerator (as determined by the EPA) on its campus next to and in the midst of Howard County communities. This is unacceptable. A project like this does not belong in our residential communities.

Despite Grace's assurances, we are not reassured that the impacts of this facility are negligible. W.R. Grace has demonstrated a careless approach and significant disregard to residents' opposition to this project. Given Grace's terrible track record in polluting communities, residents, employees, towns and surrounding environments (the movie A Civil Action is based on Grace negligence and abuse), coupled with the way in which they have handled this proposed plan, we strongly oppose this project.

We need you to stand up to Grace's lack of regard for our health and safety. I urge to vote in support of CB-11-2025 without any amendments.

I will be keenly watching your vote, which will greatly impact my future voting.

Thank you,  
Nick Caputo

---

**From:** Preeta R. Srinivasan <preeta.r.srinivasan@gmail.com>  
**Sent:** Monday, February 24, 2025 8:59 PM  
**To:** CouncilDistrict1@howardcountymd.gov  
**Subject:** Please vote YES on CB11-2025  
**Attachments:** Reasons to Vote YES to CB11-2025 (3).pdf

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Dear Ms. Walsh,

As a Howard County resident, I urge you to vote YES on CB11-2025. The attached document contains numerous (28!) reasons to support CB11, along with a wealth of supporting data points and evidence to consider.

Thank you,  
Preeta Ragavan Srinivasan

Dear County Council Members,

Thank you for your attention to the grave concern of residents regarding the W.R. Grace Pilot Project. The Cedar Creek Community has summarized key findings and statistics on why advanced recycling is not safe near residential homes, which is endorsed **unanimously by the Howard County Planning Board** for your immediate review. We have also included flaws in Grace's permit application. **You will find many reasons below to vote YES to CB11-2025 to protect public health and stand behind your constituents.**

### **Unanimous Recommendation from Howard County Department of Planning & Zoning**

1. **Howard County Department of Planning & Zoning Recommendation:** DPZ reviewed all the facts and the 3 board members **unanimously** recommended for the Council to come up with legislation/amendments for the project not to be implemented so close to residential homes due to the potential hazards/risk of fire, leaks, and explosions. Board Member James Cecil testified for a bill presented by Senator Clarence Lam regarding rendering a tax credit to residents impacted by the pilot plant, and he suggested that the state should instead use the money contemplated for the tax credit to move the project to M-1, M-2 Districts.

### **Flaws in Grace's Recycling Claims**

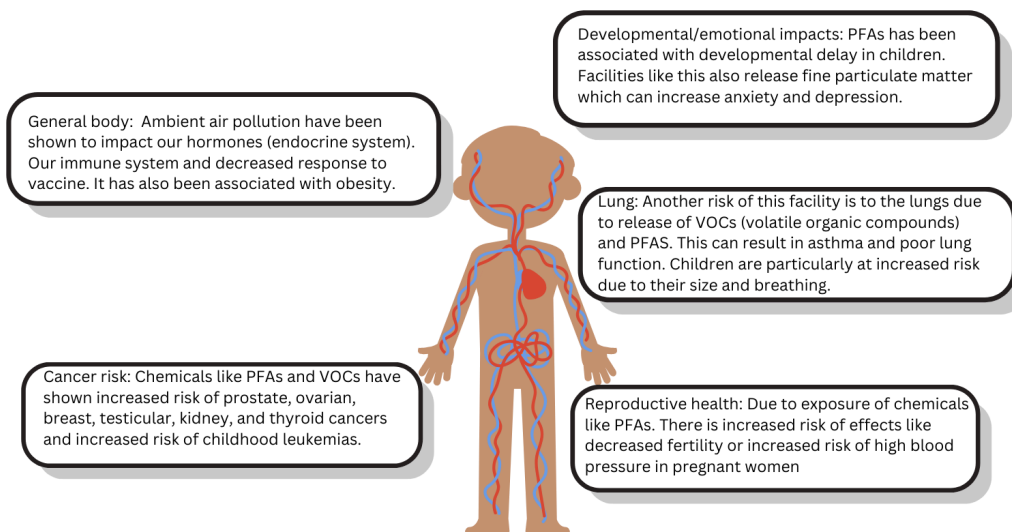
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## How Outdoor Air Pollutants Impact our Health



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12. **Grace's MDE Application Uses One Polymer as its Benchmark Feedstock for Emission Calculation Purposes, While Acknowledging that It May Use Several "Other" Polymers:** Grace says that its MDE application is focused on homogeneous polypropylene (*"The proposed Project is designed to process 1 kg/hr of commercially available plastic pellet feedstock (the benchmark feedstock can be 100% homogeneous polypropylene (PP))"*) but acknowledges the intention to use several other polymers as feedstock (*"However, a typical mixed plastic also can include low density polyethylene (LDPE), high density polyethylene (HDPE), polyethylene terephthalate (PET), polystyrene (PS), polyvinyl chloride (PVC), and others"*). The use of the term "others" in the list of polymers is a major concern, as it would open the door for Grace to include any type of polymer imaginable and potentially produce new kinds of emissions that are not contemplated in the initial report. (Maryland Department of the Environment [MDE], 2023, [Docket #16-23](#), p. 15).
13. **Chemical Recycling Facilities Release Pollutants that Can be Dangerous Regardless of R&D Size and Scale:** Even small R&D facilities release pollutants, and many of these pollutants (like benzene, dioxins, and VOCs) are harmful even in small amounts and have no safe threshold for exposure. According to Dave Arndt, the chemical engineer who reviewed Grace's permit application for Maryland State Delegate [Jennifer R. Terrasa](#), *"W.R. Grace only presents that 0.218 lb of VOCs will be emitted daily, however [they] don't give the chemical make-up of the VOCs being emitted. Some*

*VOCs are highly carcinogenic and even at that volume should not be release[d] to the public.”*

## **Grace’s Regulatory Non-Compliance and Application Omissions**

- 14. Failure to Comply with the Clean Air Act:** As discussed earlier, Grace’s pyrolysis unit is classified as an “Other Solid Waste Incinerator.” [Federal Clean Air Act Section 129](#) addresses emissions from solid waste combustion, and incinerators are regulated under the Clean Air Act’s incinerator provision, [Section 7429](#). There is no mention of compliance with Sections 129 or 7429 of the Federal Clean Air Act in [Grace’s application](#) or MDE’s tentative determination for the permit. Both the text and legislative history of the Clean Air Act indicate that Congress intended Section 7429 to cover all facilities that combust solid waste, except those expressly exempted by Congress. Since Congress did not expressly exempt small units combusting plastic and other wastes from the Clean Air Act, they are still covered by the Act and need a Section 129 Clean Air Act permit. Indeed, subsequent court decisions have affirmed that Congress did intend to regulate these small facilities burning waste. [See *Sierra Club v. EPA*, 167 F.3d 658, 662 (D.C. Cir. 1999)].
- 15. Permit Docket 16-23 and the Analysis of the Risks Focused on the Most Conservative Use Case W.R. Grace Will Conduct While W.R. Grace’s True Operation Are Expected to Scale Up and Experiment with Different Applications Beyond Those Identified in the Initial Application:** W.R. Grace makes various assumptions under their permit application while admitting that they may experiment with, or expand on, many fundamental elements in the permit. For example, they suggest 2.2lbs of plastic will be incinerated per hour while having no restrictions from increasing that amount. They also identify one type of homogeneous feedstock with allegedly less serious emissions concerns, while affording them unlimited latitude to expand the types of feedstocks used or the volumes to be used (all without oversight or restriction) based on the broad catch-all language in the permit to use “other types” as well ([see Section 11 in Permit Docket 16-23](#)). Grace’s identification of a “happy path” for purposes of obtaining the permit while using umbrella terms allowing them to expand without oversight or restriction is hugely concerning and should be expected (if the permit is approved on the condition that no expansion in the volume or application of uses be permitted beyond the exact types/quantities identified in the permit. W.R. Grace would surely object, as they’ve acknowledged such expansions are likely). (Testimony of Scott Purnell, VP of R&D- Refining Technologies at W.R. Grace & Co. February 19th, 2025).
- 16. Zoning Non-Compliance:** Since the plant is established as an incineration facility, then the Zoning regulations of Howard County preclude the facility to be located in a PEC District. Bill No. 17-2021(ZRA-197), § 1, 5-6-2021; Bill No. 39-2023(ZRA-204), § 1, 11-6-2023) The Solid Waste District permits processing facilities for non-hazardous solid waste which are not covered elsewhere in the Zoning Regulations, while requiring detailed review of each proposal to evaluate its land use impacts and its potential contribution to the County’s solid waste management system. **Because many solid waste processing facilities are of a heavy industrial nature, the SW District is an**

overlay district which may be applied only to land in the M-2 District. [HOWARD COUNTY ZONING REGULATIONS](#)

17. **Grace's Emission Numbers Ignore Contributions from Several Factors, including:** Early plant trials; operation outside of steady-state (e.g. start-ups, shutdowns); catalyst regenerator venting; leaks; fugitive emissions; and accidents.
18. **Flaws in Grace's Environmental Justice Report:** Grace's Environmental Justice (EJ) report indicates that there are no high schools, grocery stores, or land restoration facilities within Census Tract 6055.05, Howard County, Maryland (Maryland Department of the Environment [MDE], 2023, [Docket #16-23](#), p. 9). However, public maps confirm that River Hill High School, the River Hill Shopping Center, and the Forest Retention Area on the property line between Cedar Creek and Grace all fall within this tract.
19. **Regulatory Concerns:** Many facilities are not subject to stringent regulations because some states have sought to reclassify chemical recycling as a non-solid waste facility, reducing oversight ([NRDC](#), 2022, p.7,8). MDE's grant funding from the federal government to oversee an operation like Grace's plant has been eliminated ([WYPR](#), 2025).

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**As constituents and members of the Howard County community, we trust you to uphold the county's values to do the right thing and we urge you to vote YES for CB11-2025 on March 3rd, 2025.**

Thank you!

Sincerely,

Cedar Creek Residents

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**From:** Ramnik Aulakh <ramnikaulakh@gmail.com>  
**Sent:** Monday, February 24, 2025 9:22 PM  
**To:** CouncilDistrict1@howardcountymd.gov  
**Subject:** Reasons to Vote YES to CB11-2025  
**Attachments:** Reasons to Vote YES to CB11-2025 (3).cleaned.pdf

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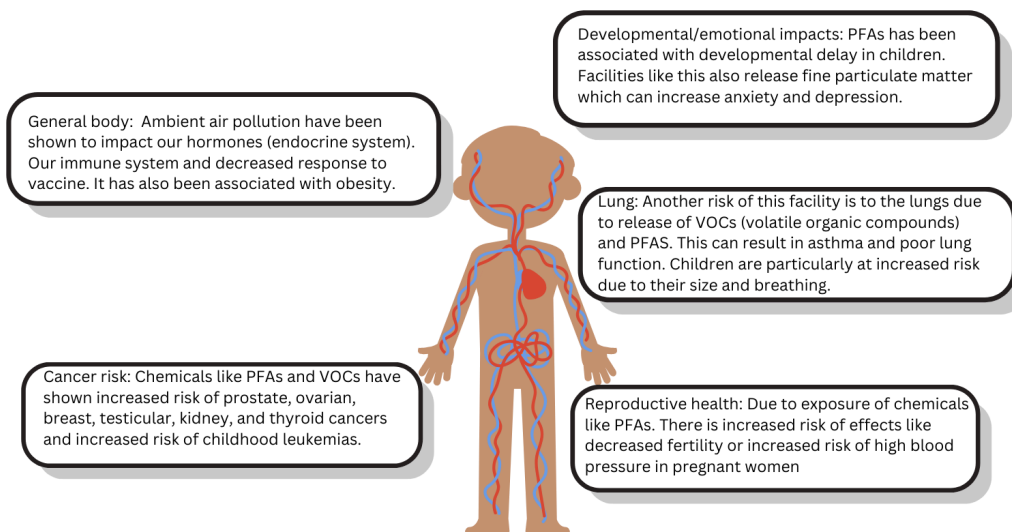
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## How Outdoor Air Pollutants Impact our Health



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### Flaws in Grace's Claims that R&D Emissions will be Negligible

11. **An Independent Scientific Review Conducted for Maryland House of Delegates Concluded that Emissions Are Likely Greater than Stated by Grace:** Grace has strongly denied that there will be any emissions of PFAS, benzene, or other chemicals that residents have expressed concern about. However, **according to an independent chemical engineer, Dave Arndt who reviewed Grace's permit application for Maryland State Delegate [Jennifer R. Terrasa](#)**, *"W.R. Grace has stated that the materials that they are going to feed into their reactor are "hard to recycle" plastics, resin identification code 1-7. These plastics have been found to include the following items which have been documented to be released in incineration emissions: PFAS, Bisphenols, Phthalates, Chlorine, Florine, Lead, Cadmium, Selenium, Benzene, 1,2-dichloroethane, Chromium, Vinyl chloride, Barium, Styrene, Benzene, Toluene, Mercury, Arsenic, Dioxins, Ethyl benzene, Xylenes, Naphthalene, Acetaldehyde, Formaldehyde, Hydrochloric acid, Methanol, Hexane and PM2.5. Please note that this is not an all-inclusive list, there may be other compounds released depending on the plastic feedstock being used."* The above findings by Mr. Arndt are consistent with a near-unanimous consensus among the scientific community, all of which identify many of the above emissions as probable byproducts from similar incineration/pyrolysis operations.
12. **Grace's MDE Application Uses One Polymer as its Benchmark Feedstock for Emission Calculation Purposes, While Acknowledging that It May Use Several "Other" Polymers:** Grace says that its MDE application is focused on homogeneous polypropylene (*"The proposed Project is designed to process 1 kg/hr of commercially available plastic pellet feedstock (the benchmark feedstock can be 100% homogeneous polypropylene (PP))"*) but acknowledges the intention to use several other polymers as feedstock (*"However, a typical mixed plastic also can include low density polyethylene (LDPE), high density polyethylene (HDPE), polyethylene terephthalate (PET), polystyrene (PS), polyvinyl chloride (PVC), and others"*). The use of the term "others" in the list of polymers is a major concern, as it would open the door for Grace to include any type of polymer imaginable and potentially produce new kinds of emissions that are not contemplated in the initial report. (Maryland Department of the Environment [MDE], 2023, [Docket #16-23](#), p. 15).
13. **Chemical Recycling Facilities Release Pollutants that Can be Dangerous Regardless of R&D Size and Scale:** Even small R&D facilities release pollutants, and many of these pollutants (like benzene, dioxins, and VOCs) are harmful even in small amounts and have no safe threshold for exposure. According to Dave Arndt, the chemical engineer who reviewed Grace's permit application for Maryland State Delegate [Jennifer R. Terrasa](#), *"W.R. Grace only presents that 0.218 lb of VOCs will be emitted daily, however [they] don't give the chemical make-up of the VOCs being emitted. Some*

*VOCs are highly carcinogenic and even at that volume should not be release[d] to the public.”*

### **Grace’s Regulatory Non-Compliance and Application Omissions**

14. **Failure to Comply with the Clean Air Act:** As discussed earlier, Grace’s pyrolysis unit is classified as an “Other Solid Waste Incinerator.” [Federal Clean Air Act Section 129](#) addresses emissions from solid waste combustion, and incinerators are regulated under the Clean Air Act’s incinerator provision, [Section 7429](#). There is no mention of compliance with Sections 129 or 7429 of the Federal Clean Air Act in [Grace’s application](#) or MDE’s tentative determination for the permit. Both the text and legislative history of the Clean Air Act indicate that Congress intended Section 7429 to cover all facilities that combust solid waste, except those expressly exempted by Congress. Since Congress did not expressly exempt small units combusting plastic and other wastes from the Clean Air Act, they are still covered by the Act and need a Section 129 Clean Air Act permit. Indeed, subsequent court decisions have affirmed that Congress did intend to regulate these small facilities burning waste. [See *Sierra Club v. EPA*, 167 F.3d 658, 662 (D.C. Cir. 1999)].
15. **Permit Docket 16-23 and the Analysis of the Risks Focused on the Most Conservative Use Case W.R. Grace Will Conduct While W.R. Grace’s True Operation Are Expected to Scale Up and Experiment with Different Applications Beyond Those Identified in the Initial Application:** W.R. Grace makes various assumptions under their permit application while admitting that they may experiment with, or expand on, many fundamental elements in the permit. For example, they suggest 2.2lbs of plastic will be incinerated per hour while having no restrictions from increasing that amount. They also identify one type of homogeneous feedstock with allegedly less serious emissions concerns, while affording them unlimited latitude to expand the types of feedstocks used or the volumes to be used (all without oversight or restriction) based on the broad catch-all language in the permit to use “other types” as well ([see Section 11 in Permit Docket 16-23](#)). Grace’s identification of a “happy path” for purposes of obtaining the permit while using umbrella terms allowing them to expand without oversight or restriction is hugely concerning and should be expected (if the permit is approved on the condition that no expansion in the volume or application of uses be permitted beyond the exact types/quantities identified in the permit. W.R. Grace would surely object, as they’ve acknowledged such expansions are likely). (Testimony of Scott Purnell, VP of R&D- Refining Technologies at W.R. Grace & Co. February 19th, 2025).
16. **Zoning Non-Compliance:** Since the plant is established as an incineration facility, then the Zoning regulations of Howard County preclude the facility to be located in a PEC District. Bill No. 17-2021(ZRA-197), § 1, 5-6-2021; Bill No. 39-2023(ZRA-204), § 1, 11-6-2023) The Solid Waste District permits processing facilities for non-hazardous solid waste which are not covered elsewhere in the Zoning Regulations, while requiring detailed review of each proposal to evaluate its land use impacts and its potential contribution to the County’s solid waste management system. **Because many solid waste processing facilities are of a heavy industrial nature, the SW District is an**

overlay district which may be applied only to land in the M-2 District. [HOWARD COUNTY ZONING REGULATIONS](#)

17. **Grace's Emission Numbers Ignore Contributions from Several Factors, including:** Early plant trials; operation outside of steady-state (e.g. start-ups, shutdowns); catalyst regenerator venting; leaks; fugitive emissions; and accidents.
18. **Flaws in Grace's Environmental Justice Report:** Grace's Environmental Justice (EJ) report indicates that there are no high schools, grocery stores, or land restoration facilities within Census Tract 6055.05, Howard County, Maryland (Maryland Department of the Environment [MDE], 2023, [Docket #16-23](#), p. 9). However, public maps confirm that River Hill High School, the River Hill Shopping Center, and the Forest Retention Area on the property line between Cedar Creek and Grace all fall within this tract.
19. **Regulatory Concerns:** Many facilities are not subject to stringent regulations because some states have sought to reclassify chemical recycling as a non-solid waste facility, reducing oversight ([NRDC](#), 2022, p.7,8). MDE's grant funding from the federal government to oversee an operation like Grace's plant has been eliminated ([WYPR](#), 2025).

### Safety Concerns

20. **Incidents of Fires:** Two advanced recycling plants, **New Hope Energy** and **Brightmark**, experienced **fires** within the first year of operation, highlighting the potential safety hazards ([NRDC](#), 2022, p.8).
21. **Grace's Application Indicates there will be Fuel Storage and Transfer, which Increases Fire and Accident Risk:** Grace will be regularly producing, warehousing, and transporting multiple 55-gal drums of fuel and shipped to a third party waste treatment facility (Maryland Department of the Environment [MDE], 2023, [Docket #16-23](#), p. 16). This is not accurate reporting. Every drop needs to be accounted for, plus shipment dates and times, method of shipment and name of the treatment facility must be documented. Therefore, a hazardous liquid permit must also be obtained.
22. **Documented Accidents Involving the use of Pyrolysis Reactors and Thermal Oxidizers:** These include Husky Energy Refinery in 2018 in Superior, WI ([36 workers injured, 39,000 lb. of flammable hydrocarbons released](#)) and Exxon-Mobil in 2018 in Torrance, CA ([four contractors were injured, neighborhood was dusted with a coat of ash](#)).
23. **Exempt from Emergency Planning and Community Right-to-Know Act (EPCRA):** [EPCRA](#) enhances **public safety** by ensuring first responders and communities have critical information to prevent and manage hazardous incidents, reducing risks to human health and the environment. However, this facility's classification as a research and development facility (NAICS code [541715](#)) exempts Grace from much of this reporting.

### Effects on Minorities, Low-Income Households, and Children:

24. **Environmental Justice Issues:** Many advanced recycling facilities are located in communities with a high percentage of **low-income** residents and **people of color** (NRDC, 2022, p. 7, Beyond Plastics, 2025). **The Environmental Justice (EJ) score of**

**29% indicated in Grace’s MDE application is understated and misleading, as it does not include groups of minorities and low-income households who moved into residential communities adjacent to Grace after the 2020 census.** The 2020 census indicates a 54.33% minority population per Grace’s EJ report (Maryland Department of the Environment [MDE], 2023, [Docket #16-23](#), p. 11). However, we believe as many as 80% of residents in Cedar Creek, all of whom moved in after the 2020 census, are people of color. Additionally, **Robinson Overlook Apartments, an affordable housing community adjacent to Grace’s headquarters, only opened in August 2021** ([Woda Cooper Companies](#), 2021). **Outreach from Cedar Creek residents confirmed that Robinson Overlook residents are unaware of Grace’s plans.**

25. **Growing Children in the Community:** The Cedar Creek neighborhood consists of 100+ children. Children breathe more air relative to their body weight than adults, breathing in 2 to 3 times as much air per minute, making them more susceptible to harmful air pollution ([Unicef](#), 2019).

#### **Benefits Do Not Outweigh Risks:**

26. **Current Evidence Suggests Benefits of Projects like Grace’s are Overstated:** Of 11 constructed chemical recycling facilities in the U.S., two of these facilities closed in the first half of 2024: Regenyx in Oregon and Fulcrum in Nevada. Most of the remaining nine facilities are not operating at full capacity. Even if they were operating at full capacity, the remaining nine facilities could only process 1.2% of all U.S. plastic waste ([Beyond Plastics](#), 2025). More concerning, a study published by the [Federal Governments Renewable Energy Lab](#), found that chemical recycling was actually 10-100 times worse for the environment than simply producing new, virgin plastic.
27. **Hours of Facility Operation Increase Risks:** The plant will operate 16 hours a day (Maryland Department of the Environment [MDE], 2023, [Docket #16-23](#), p. 16), five days a week, all year round, potentially for many years. The long-term cumulative effects of this persistent exposure on the health of children and adults residing just yards from the facility are unknown, but remain a major concern.
28. **Grace Has a Documented History of Contaminating this Location with Hazardous Waste, Suggesting this Project Carries Elevated Risks:** There is a public report on the [EPA’s website](#) describing the efforts to clean-up environmental pollutants around Grace’s headquarters. According to the EPA, “*The contaminants of concern include trichloroethene (TCE), 1,1,2,2-tetrachloroethane, tetrachloroethene, 1,1-dichloroethene, 1,1-dichloroethane, 1,2-dichloroethane, and trichlorofluoromethane.*”

Howard County’s mission includes striving to be a place with safe and healthy communities. Vetoing or tabling CB11-2025, and allowing WR Grace to build this facility, will cause irreparable HARM to our community and surrounding communities. This includes health impacts to our children and elderly, safety impacts from possible leaks/fires/explosions, and environmental justice impacts to resources like Robinson Nature Preserve. The Howard County Planning Board unanimously approved the proposed ZRA-211 as they were concerned about the impacts to the community.

**As constituents and members of the Howard County community, we trust you to uphold the county's values to do the right thing and we urge you to vote YES for CB11-2025 on March 3rd, 2025.**

Thank you!

Sincerely,

Cedar Creek Residents

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**From:** Jung, Debra  
**Sent:** Monday, February 24, 2025 2:34 PM  
**To:** Anderson, Isaiah  
**Subject:** FW: Observations re CB11-2025 (ZRA-211) Testimonials  
**Attachments:** Documents, Reports and Photographs for W.R. Grace in Columbia, Maryland \_ US EPA.pdf

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

Testimony

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**From:** ralove100@gmail.com <ralove100@gmail.com>  
**Sent:** Sunday, February 23, 2025 6:02 PM  
**To:** Jung, Debra <djung@howardcountymd.gov>; Jones, Opel <ojones@howardcountymd.gov>; Rigby, Christiana <crigby@howardcountymd.gov>; Yungmann, David <dyungmann@howardcountymd.gov>; Walsh, Elizabeth <ewalsh@howardcountymd.gov>  
**Cc:** ralove100@gmail.com  
**Subject:** Observations re CB11-2025 (ZRA-211) Testimonials

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

To: Howard County Delegates:  
Opel Jones, Deb Jung, Christiana Rigby, Elizabeth Walsh, and David Yungmann

From: Richard Love, Howard County Resident, District 3

PDF Attachment: EPA Documents, Reports and Photographs for W.R. Grace in Columbia, Maryland

I am writing in reference to the testimonials in opposition from WR Grace re Bill CB11-2025 (ZRA-211). In my careful review of the 2 days of testimonies, in-person and online, I conclude that the WR Grace testimonials fully support **a vote in favor of the Bill.**

This may seem to be counterintuitive, so let me explain.

Testimony by Sharon Nirenberg, Vice President of Communications (?), based her testimony on how well WR Grace followed all the rules and did everything they could to communicate with the public. And then continued to testify that WR Grace did the opposite. Nirenberg testified that “the Grace of yesterday is not the Grace of today.” I beg to differ. WR Grace is currently under EPA RCRA oversight for which they have not yet completed. See attachment ( Permit expires June 2028). I trust that WR Grace and MDE have submitted the RCRA actions as part of “we are doing everything we can” to gain the public trust? If the RCRA actions have not been completed, then why would WR Grace be allowed to add additional pollutants from the WR Grace campus with another polluting source?

Testimony by John Oskam, Vice President of R&D, based his testimony on the unique knowledge and tools WR Grace research campus have in order to make a breakthrough in the plastics recycling problem. That may be true. But putting the pilot plant in a more appropriate industrial area does not take away from their research capabilities and hopefully future accolades. The argument that the scientific staff need to be near-adjacent to the

pilot plant to run their experiments and to run back and forth from pilot to lab, is a non sequitur based on Oskam's own ability to run all of WR Grace's ground-breaking research by going back and forth between New Jersey and Columbia.

Testimony by Scott Purnell, Executive President of R&D, also based his remarks on the excellent research that Grace has contributed to society. He is, of course, correct, citing Grace's considerable scientific contributions. But that does not address the consequences of doing that lab research on a larger scale in the middle of a residential area. WR Grace has demonstrated conclusively that they have been unable to get the byproducts of their research under control. If you have time, read *A Civil Action* and the seemingly endless litigation cases against them as cited in the Cedar Creek testimonials to better understand that is a work in progress to the current date and into the future.

Testimony by Rob Harding in the Research Department testified about his concerns about the public's understanding of the chemistry, saying that WR Grace is not burning waste plastic of any kind. OK, but that ignores the fact that the pilot plant will produce waste products equivalent to burning plastic waste, albeit in much smaller quantities. [Electrical Engineer, Isabelle Daily's testimony directly rebutted this claim that small quantities of these waste products can be ignored]. That does not address the issue: Residents have legitimate psychological and health concerns about the byproducts of the reactions because there is no disclosure by WR Grace as to what those byproducts (i.e. waste) are or will be. WR Grace argues that the public is uninformed. Yes, we are uninformed because WR Grace and MDE are unable or unwilling to disclose in detail what these byproducts are. And then the community is asked to believe that WR Grace will honestly monitor and scrub all of the emissions for us. Not even remotely credible guidance. That alone is enough to discount their testimonials about the safety and efficacies of the proposed pilot plant.

Testimony by Joseph Rudder from Woodbine testified in opposition to CB-11-2025 based on his interpretation of Research & Development laboratories zoning for current use. OK. But that does not address the concerns of Cedar Creek for future use by putting in a pilot plant. I believe that Mr. Rudder draws a false equivalence between research at Grace and APL. Grace and APL have little overlap as light industrial sectors. Remember that APL pilot tests their rockets at Wallops or Vandenberg -- not on an adjacent soccer field -- well outside of the APL campus boundaries. As many residents testified, WR Grace should adopt current chemical industry standards (re safe boundaries) to do this kind of work well away from surrounding residential communities.

In short, WR Grace made weak rebuttals to the Cedar Creek credible and convincing testimonies. I could cite more. But that would take another book.

I urge you to vote **Yes** in support of CB11-2025 (ZRA-211). Cedar Creek residents and a large population of Howard County support it. And apparently WR Grace does as well.

Sincerely,

Richard Love  
7525 Yellow Bonnet PL  
Columbia, MD 21046  
[ralove100@gmail.com](mailto:ralove100@gmail.com)  
C: 443-538-1571















Home <<https://epa.gov/>> / Corrective Action Cleanups Around the Nation  
<<https://epa.gov/hwcorrectiveactioncleanups>>

# Documents, Reports and Photographs for W.R. Grace in Columbia, Maryland

Some of W.R. Grace's key Resource Conservation and Recovery Act (RCRA) corrective action documents, reports and photographs are accessible online:

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-  Corrective Action Permit for W.R. Grace in Columbia, Maryland (pdf) <[https://www.epa.gov/sites/default/files/2017-12/documents/wrgracecolumbia\\_draftpermitfinal.pdf](https://www.epa.gov/sites/default/files/2017-12/documents/wrgracecolumbia_draftpermitfinal.pdf)> (11.89 MB)  
RCRA Corrective Action Permit
  -  Corrective Action Statement of Basis for Final Permit for W.R. Grace in Columbia, Maryland (pdf) <[https://www.epa.gov/sites/default/files/2017-12/documents/wrgrace\\_permitsb.pdf](https://www.epa.gov/sites/default/files/2017-12/documents/wrgrace_permitsb.pdf)> (49.89 KB)  
Statement of Basis for RCRA Corrective Action Final Permit
  -  RCRA Corrective Action Permit Approval for W.R. Grace in Columbia, Maryland (pdf) <[https://www.epa.gov/sites/default/files/2018-05/documents/wrgracecolumbia\\_capermitapproval.pdf](https://www.epa.gov/sites/default/files/2018-05/documents/wrgracecolumbia_capermitapproval.pdf)> (664.13 KB)  
RCRA CA Permit Approval
  -  RCRA Corrective Action Draft Permit Response to Comments for W.R. Grace in Columbia, Maryland (pdf) <[https://www.epa.gov/sites/default/files/2018-05/documents/wrgracecolumbia\\_cadraft\\_permit\\_rtc.pdf](https://www.epa.gov/sites/default/files/2018-05/documents/wrgracecolumbia_cadraft_permit_rtc.pdf)> (4.3 MB)  
RCRA CA Permit Response to Comments

-  **Corrective Action Statement of Basis W.R. Grace and Company in Columbia, Maryland (pdf)** <[https://www.epa.gov/sites/default/files/2015-09/documents/wrgracecolumbia\\_sb.pdf](https://www.epa.gov/sites/default/files/2015-09/documents/wrgracecolumbia_sb.pdf)> (345.79 KB, 7/13/2006)  
Statement of Basis for RCRA Corrective Action Remedy
-  **Corrective Action Long Term Stewardship Inspection Report W.R. Grace and Company in Columbia, Maryland (pdf)** <[https://www.epa.gov/sites/default/files/2015-09/documents/lts\\_mdd074933961.pdf](https://www.epa.gov/sites/default/files/2015-09/documents/lts_mdd074933961.pdf)> (155.53 KB, 4/1/2014)  
RCRA Corrective Action Long-Term Stewardship Assessment Report
-  **Environmental Covenant W.R. Grace and Company in Columbia, Maryland (pdf)** <[https://www.epa.gov/sites/default/files/2015-09/documents/ec\\_mdd074933961.pdf](https://www.epa.gov/sites/default/files/2015-09/documents/ec_mdd074933961.pdf)> (1.13 MB, 4/7/2008)  
MD Uniform Environmental Covenant –Deed Restriction
-  **Environmental Indicator for Human Exposure W.R. Grace and Company in Columbia, Maryland (pdf)** <[https://www.epa.gov/sites/default/files/2015-09/documents/hh\\_mdd074933961.pdf](https://www.epa.gov/sites/default/files/2015-09/documents/hh_mdd074933961.pdf)> (19.34 KB, 6/11/2001)  
RCRA Environmental Indicator - Current Human Exposures under Control
-  **Environmental Indicator for Groundwater for W.R. Grace and Company in Columbia, Maryland (pdf)** <[https://www.epa.gov/sites/default/files/2015-09/documents/gw\\_mdd074933961.pdf](https://www.epa.gov/sites/default/files/2015-09/documents/gw_mdd074933961.pdf)> (20.61 KB, 6/11/2001)  
RCRA Environmental Indicator - Migration of Contaminated Groundwater under Control
-  **W.R. Grace in Columbia, Maryland Geospatial PDF Site Map (pdf)** <[https://www.epa.gov/sites/default/files/2015-10/documents/geospatialpdf\\_wrgrace.pdf](https://www.epa.gov/sites/default/files/2015-10/documents/geospatialpdf_wrgrace.pdf)> (1.9 MB, 3/21/2012)  
This geospatial pdf can help you find latitude/longitude coordinates, measure distances between objects and mark locations at this site. Click the link to download this file to your computer, then Open the file with Adobe Reader and Select Edit/Analysis.

Last updated on June 27, 2024

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**From:** Samuel Rumford <samrumford@gmail.com>  
**Sent:** Monday, February 24, 2025 3:12 PM  
**To:** lewalsh@howardcountymd.gov; Jones, Opel; Rigby, Christiana; Jung, Debra; Yungmann, David  
**Cc:** CouncilDistrict1@howardcountymd.gov; CouncilDistrict2@howardcountymd.gov; CouncilDistrict3@howardcountymd.gov; CouncilDistrict4@howardcountymd.gov; CouncilDistrict5@howardcountymd.gov  
**Subject:** Please SUPPORT CB-11-2025

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Dear Councilmember:

Please vote YES to support CB-11-2025.

I am writing today to urge you to support CB-11-2025. This measure will protect our community and the communities surrounding the W.R. Grace campus from the deleterious health and safety impacts of the company's planned plastic R&D facility. Howard County residents deserve to reap the benefits of clean air and the peace of mind in knowing that their families are not being exposed to ongoing chemical emissions from this planned facility, nor must they live in constant fear of leaks and fires, very real possibilities.

W.R. Grace is planning on installing an incinerator (as determined by the EPA) on its campus next to and in the midst of Howard County communities. This is unacceptable. A project like this does not belong in our residential communities.

Despite Grace's assurances, we are not reassured that the impacts of this facility are negligible. W.R. Grace has demonstrated a careless approach and significant disregard to residents' opposition to this project. Given Grace's terrible track record in polluting communities, residents, employees, towns and surrounding environments (the movie A Civil Action is based on Grace negligence and abuse), coupled with the way in which they have handled this proposed plan, we strongly oppose this project.

We need you to stand up to Grace's lack of regard for our health and safety. I urge to vote in support of CB-11-2025 without any amendments.

I will be keenly watching your vote, which will greatly impact my future voting.

Thank you,

Samuel Rumford  
6428 Grateful Heart Gate  
Columbia, MD 21044

---

**From:** Rigby, Christiana  
**Sent:** Monday, February 24, 2025 10:14 AM  
**To:** Wimberly, Theodore; Anderson, Isaiah; Harrod, Michelle  
**Subject:** Please support the CB - 11 - 2025

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

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**From:** Sandy Cummings <sandradee811@gmail.com>  
**Sent:** Saturday, February 22, 2025 12:43 PM  
**To:** Rigby, Christiana <crigby@howardcountymd.gov>  
**Cc:** CouncilDistrict3@howardcountymd.gov  
**Subject:** Please support the CB - 11 - 2025

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Dear Councilmember Rigby:

I am writing today to urge you to support CB-11-2025. This measure will protect our community and the communities surrounding the W.R. Grace campus from the deleterious health and safety impacts of the company's planned plastic R&D facility. Howard County residents deserve to reap the benefits of clean air and the peace of mind in knowing that their families are not being exposed to ongoing chemical emissions from this planned facility, nor must they live in constant fear of leaks and fires, very real possibilities.

W.R. Grace is planning on installing an incinerator (as determined by the EPA) on its campus next to and in the midst of Howard County communities. This is unacceptable. A project like this does not belong in our residential communities.

Despite Grace's assurances, we are not reassured that the impacts of this facility are negligible. W.R. Grace has demonstrated a careless approach and significant disregard to residents' opposition to this project. Given Grace's terrible track record in polluting communities, residents, employees, towns and surrounding environments (the movie A Civil Action is based on Grace negligence and abuse), coupled with the way in which they have handled this proposed plan, we strongly oppose this project.

We need you to stand up to Grace's lack of regard for our health and safety. I urge you to vote in support of CB-11-2025 without any amendments.

I will be keenly watching your vote, which will greatly impact my future voting.

Thank you,  
Sandy Cummings  
Taxpaying Columbia, MD resident since 1980

---

**From:** Sara Noonan <saracnoonan@gmail.com>  
**Sent:** Monday, February 24, 2025 7:11 PM  
**To:** CouncilDistrict1@howardcountymd.gov; CouncilDistrict2@howardcountymd.gov; CouncilDistrict3@howardcountymd.gov; CouncilDistrict4@howardcountymd.gov; CouncilDistrict5@howardcountymd.gov; Yungmann, David; Rigby, Christiana; Jones, Opel  
**Subject:** REASONS TO VOTE YES TO CB11-2025  
**Attachments:** Reasons to Vote YES to CB11-2025 (4).pdf

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Dear Members of the County Council,

Please find the attached letter for your immediate review.

Thank you,

Sara Morrell  
240-593-9258  
[saracnoonan@gmail.com](mailto:saracnoonan@gmail.com)

Dear County Council Members,

Thank you for your attention to the grave concern of residents regarding the W.R. Grace Pilot Project. The Cedar Creek Community has summarized key findings and evidence as to why advanced recycling is not safe near residential homes, which has been endorsed **unanimously by the Howard County Planning Board** for your immediate review. We have also included flaws in Grace's permit application. **You will find many reasons below to vote YES to CB11-2025 to protect public health and stand behind your constituents.**

### **Unanimous Recommendation from Howard County Department of Planning & Zoning**

1. **Howard County Department of Planning & Zoning Recommendation:** DPZ reviewed all the facts and the 3 board members **unanimously** recommended for the Council to come up with legislation/amendments for the project not to be implemented so close to residential homes due to the potential hazards/risk of fire, leaks, and explosions. Board Member James Cecil testified for a bill presented by Senator Clarence Lam regarding rendering a tax credit to residents impacted by the pilot plant, and he suggested that the state should instead use the money contemplated for the tax credit to move the project to M-1, M-2 Districts.

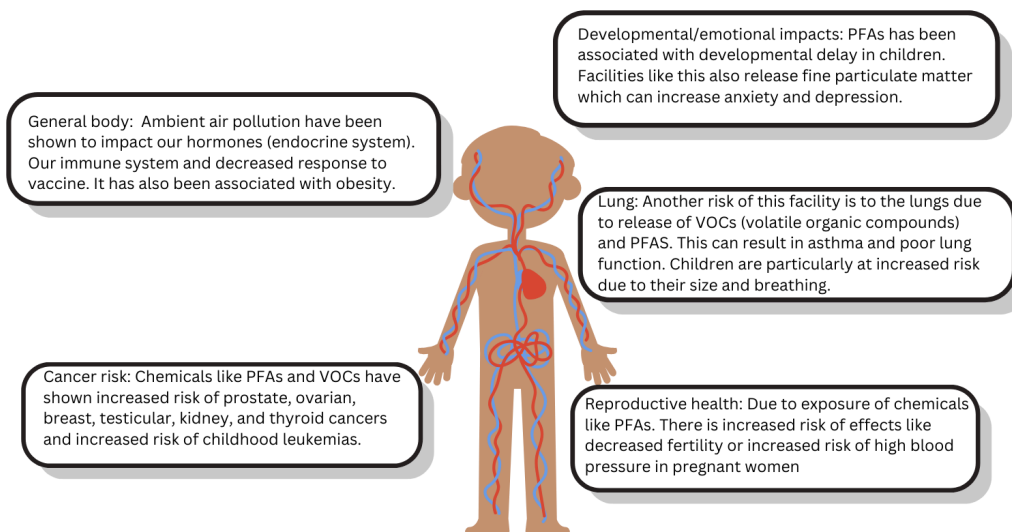
### **Flaws in Grace's Recycling Claims**

2. **Recycling Misconception:** The industry promotes chemical recycling as a solution to plastic waste, but it is often just a way to **greenwash** incineration ([NRDC](#), 2022, p. 1; [Beyond Plastics](#), 2025)
3. **EPA regulations define pyrolysis units as incinerators:** The EPA stated in a letter to the Maryland Department of the Environment that the W.R. Grace Pilot Plant "would meet the definition of an [Other Solid Waste Incinerator](#), as OSWI expressly includes pyrolysis units" (U.S. Environmental Protection Agency, Region 3. (2025, January 8). Applicability Determination Request - OSWI Rule and Proposed Pilot Plant in Maryland [Letter to Suna Yi Sariscak, Maryland Department of the Environment].).
4. **Energy Recovery:** Burning plastic for fuel (plastic-to-fuel) does not count as **recycling** by international standards, as it generates the same harmful pollutants as fossil fuels ([NRDC](#), 2022, p. 3). [HOWARD COUNTY ZONING REGULATIONS | Zoning | Howard County, MD | Municode Library](#)

### **Health and Environment Concerns of Plastic Incineration**

5. **Health Risks:** The chemicals released or disposed of by these facilities are highly toxic, with many being **carcinogenic**, **neurotoxic**, or **reproductive toxicants**. For instance, **VOC's** are among the substances that pose severe health risks, including cancer and developmental harm ([NRDC](#), 2022, p. 5,6) ([Dragon](#) et al. 2023) ([Smolker](#) et al, 2024) ([Brumberg](#) et al. 2021) ([EPA 2024](#)) ([American Lung Association 2024](#))

## How Outdoor Air Pollutants Impact our Health



### Citations:

1. [Brumberg et al. 2021](#): Ambient Air Pollution: Health Hazards to Children
2. [EPA 2024](#) Our Current Understanding of the Human Health and Environmental Risks of PFAS
3. [American Lung Association 2024](#) Volatile Organic Compounds
4. [Dragon et al 2023](#). Perfluoroalkyl Substances (PFAS) Affect Inflammation in Lung Cells and Tissues

6. **Hazardous Waste:** Most "chemical recycling" facilities in the U.S. are **not recycling plastic**, and instead, generate **hazardous waste** that is often incinerated ([NRDC](#), 2022, p. 3, 4; [Beyond Plastics](#), 2025).
7. **Air Pollution:** "Chemical recycling" facilities are known to release **hazardous air pollutants** like styrene, toluene, and dioxins. These pollutants are linked to serious health issues such as **cancer, birth defects, and respiratory problems** ([NRDC](#), 2022, p. 5,6; [Beyond Plastics](#), 2025).
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*VOCs are highly carcinogenic and even at that volume should not be release[d] to the public.”*

### **Grace’s Regulatory Non-Compliance and Application Omissions**

14. **Failure to Comply with the Clean Air Act:** As discussed earlier, Grace’s pyrolysis unit is classified as an “Other Solid Waste Incinerator.” [Federal Clean Air Act Section 129](#) addresses emissions from solid waste combustion, and incinerators are regulated under the Clean Air Act’s incinerator provision, [Section 7429](#). There is no mention of compliance with Sections 129 or 7429 of the Federal Clean Air Act in [Grace’s application](#) or MDE’s tentative determination for the permit. Both the text and legislative history of the Clean Air Act indicate that Congress intended Section 7429 to cover all facilities that combust solid waste, except those expressly exempted by Congress. Since Congress did not expressly exempt small units combusting plastic and other wastes from the Clean Air Act, they are still covered by the Act and need a Section 129 Clean Air Act permit. Indeed, subsequent court decisions have affirmed that Congress did intend to regulate these small facilities burning waste. [See *Sierra Club v. EPA*, 167 F.3d 658, 662 (D.C. Cir. 1999)].
15. **Permit Docket 16-23 and the Analysis of the Risks Focused on the Most Conservative Use Case W.R. Grace Will Conduct While W.R. Grace’s True Operation Are Expected to Scale Up and Experiment with Different Applications Beyond Those Identified in the Initial Application:** W.R. Grace makes various assumptions under their permit application while admitting that they may experiment with, or expand on, many fundamental elements in the permit. For example, they suggest 2.2lbs of plastic will be incinerated per hour while having no restrictions from increasing that amount. They also identify one type of homogeneous feedstock with allegedly less serious emissions concerns, while affording them unlimited latitude to expand the types of feedstocks used or the volumes to be used (all without oversight or restriction) based on the broad catch-all language in the permit to use “other types” as well ([see Section 11 in Permit Docket 16-23](#)). Grace’s identification of a “happy path” for purposes of obtaining the permit while using umbrella terms allowing them to expand without oversight or restriction is hugely concerning and should be expected (if the permit is approved on the condition that no expansion in the volume or application of uses be permitted beyond the exact types/quantities identified in the permit. W.R. Grace would surely object, as they’ve acknowledged such expansions are likely). (Testimony of Scott Purnell, VP of R&D- Refining Technologies at W.R. Grace & Co. February 19th, 2025).
16. **Zoning Non-Compliance:** Since the plant is established as an incineration facility, then the Zoning regulations of Howard County preclude the facility to be located in a PEC District. Bill No. 17-2021(ZRA-197), § 1, 5-6-2021; Bill No. 39-2023(ZRA-204), § 1, 11-6-2023) The Solid Waste District permits processing facilities for non-hazardous solid waste which are not covered elsewhere in the Zoning Regulations, while requiring detailed review of each proposal to evaluate its land use impacts and its potential contribution to the County’s solid waste management system. **Because many solid waste processing facilities are of a heavy industrial nature, the SW District is an**

overlay district which may be applied only to land in the M-2 District. [HOWARD COUNTY ZONING REGULATIONS](#)

17. **Grace's Emission Numbers Ignore Contributions from Several Factors, including:** Early plant trials; operation outside of steady-state (e.g. start-ups, shutdowns); catalyst regenerator venting; leaks; fugitive emissions; and accidents.
18. **Flaws in Grace's Environmental Justice Report:** Grace's Environmental Justice (EJ) report indicates that there are no high schools, grocery stores, or land restoration facilities within Census Tract 6055.05, Howard County, Maryland (Maryland Department of the Environment [MDE], 2023, [Docket #16-23](#), p. 9). However, public maps confirm that River Hill High School, the River Hill Shopping Center, and the Forest Retention Area on the property line between Cedar Creek and Grace all fall within this tract.
19. **Regulatory Concerns:** Many facilities are not subject to stringent regulations because some states have sought to reclassify chemical recycling as a non-solid waste facility, reducing oversight ([NRDC](#), 2022, p.7,8). MDE's grant funding from the federal government to oversee an operation like Grace's plant has been eliminated ([WYPR](#), 2025).

### Safety Concerns

20. **Incidents of Fires:** Two advanced recycling plants, **New Hope Energy** and **Brightmark**, experienced **fires** within the first year of operation, highlighting the potential safety hazards ([NRDC](#), 2022, p.8).
21. **Grace's Application Indicates there will be Fuel Storage and Transfer, which Increases Fire and Accident Risk:** Grace will be regularly producing, warehousing, and transporting multiple 55-gal drums of fuel and shipped to a third party waste treatment facility (Maryland Department of the Environment [MDE], 2023, [Docket #16-23](#), p. 16). This is not accurate reporting. Every drop needs to be accounted for, plus shipment dates and times, method of shipment and name of the treatment facility must be documented. Therefore, a hazardous liquid permit must also be obtained.
22. **Documented Accidents Involving the use of Pyrolysis Reactors and Thermal Oxidizers:** These include Husky Energy Refinery in 2018 in Superior, WI ([36 workers injured, 39,000 lb. of flammable hydrocarbons released](#)) and Exxon-Mobil in 2018 in Torrance, CA ([four contractors were injured, neighborhood was dusted with a coat of ash](#)).
23. **Exempt from Emergency Planning and Community Right-to-Know Act (EPCRA):** [EPCRA](#) enhances **public safety** by ensuring first responders and communities have critical information to prevent and manage hazardous incidents, reducing risks to human health and the environment. However, this facility's classification as a research and development facility (NAICS code [541715](#)) exempts Grace from much of this reporting.

### Effects on Minorities, Low-Income Households, and Children:

24. **Environmental Justice Issues:** Many advanced recycling facilities are located in communities with a high percentage of **low-income** residents and **people of color** (NRDC, 2022, p. 7, Beyond Plastics, 2025). **The Environmental Justice (EJ) score of**

**29% indicated in Grace’s MDE application is understated and misleading, as it does not include groups of minorities and low-income households who moved into residential communities adjacent to Grace after the 2020 census.** The 2020 census indicates a 54.33% minority population per Grace’s EJ report (Maryland Department of the Environment [MDE], 2023, [Docket #16-23](#), p. 11). However, we believe as many as 80% of residents in Cedar Creek, all of whom moved in after the 2020 census, are people of color. Additionally, **Robinson Overlook Apartments, an affordable housing community adjacent to Grace’s headquarters, only opened in August 2021** ([Woda Cooper Companies](#), 2021). **Outreach from Cedar Creek residents confirmed that Robinson Overlook residents are unaware of Grace’s plans.**

25. **Growing Children in the Community:** The Cedar Creek neighborhood consists of 100+ children. Children breathe more air relative to their body weight than adults, breathing in 2 to 3 times as much air per minute, making them more susceptible to harmful air pollution ([Unicef](#), 2019).

#### **Benefits Do Not Outweigh Risks:**

26. **Current Evidence Suggests Benefits of Projects like Grace’s are Overstated:** Of 11 constructed chemical recycling facilities in the U.S., two of these facilities closed in the first half of 2024: Regenyx in Oregon and Fulcrum in Nevada. Most of the remaining nine facilities are not operating at full capacity. Even if they were operating at full capacity, the remaining nine facilities could only process 1.2% of all U.S. plastic waste ([Beyond Plastics](#), 2025). More concerning, a study published by the [Federal Governments Renewable Energy Lab](#), found that chemical recycling was actually 10-100 times worse for the environment than simply producing new, virgin plastic.
27. **Hours of Facility Operation Increase Risks:** The plant will operate 16 hours a day (Maryland Department of the Environment [MDE], 2023, [Docket #16-23](#), p. 16), five days a week, all year round, potentially for many years. The long-term cumulative effects of this persistent exposure on the health of children and adults residing just yards from the facility are unknown, but remain a major concern.
28. **Grace Has a Documented History of Contaminating this Location with Hazardous Waste, Suggesting this Project Carries Elevated Risks:** There is a public report on the [EPA’s website](#) describing the efforts to clean-up environmental pollutants around Grace’s headquarters. According to the EPA, “*The contaminants of concern include trichloroethene (TCE), 1,1,2,2-tetrachloroethane, tetrachloroethene, 1,1-dichloroethene, 1,1-dichloroethane, 1,2-dichloroethane, and trichlorofluoromethane.*”

Howard County’s mission includes striving to be a place with safe and healthy communities. Vetoing or tabling CB11-2025, and allowing WR Grace to build this facility, will cause irreparable HARM to our community and surrounding communities. This includes health impacts to our children and elderly, safety impacts from possible leaks/fires/explosions, and environmental justice impacts to resources like Robinson Nature Preserve. The Howard County Planning Board unanimously approved the proposed ZRA-211 as they were concerned about the impacts to the community.

**As constituents and members of the Howard County community, we trust you to uphold the county's values to do the right thing and we urge you to vote YES for CB11-2025 on March 3rd, 2025.**

Thank you!

Sincerely,

Cedar Creek Residents

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**From:** Nerenberg, Sharyn <Sharyn.Nerenberg@grace.com>  
**Sent:** Monday, February 24, 2025 2:25 PM  
**To:** Jones, Opel  
**Cc:** CouncilMail; Purnell, Scott  
**Subject:** Facts and Data on Grace's Pilot Research Project  
**Attachments:** CB-11 Follow-up Letter to Opel Jones.pdf

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Councilmember Jones,

Thank you for your attention over the two days of testimony around CB-11. We appreciate your thoughtful question about facts and data around the many claims you heard throughout.

Attached my colleague Scott and I offer facts and data to correct some of the more salient points of inaccuracy about our pilot research project that you heard during testimony.

Please let us know of any further questions.

**Sharyn B. Nerenberg** | Vice President, Global Communications & Government Affairs  
**W. R. Grace & Co.**, 7500 Grace Drive, Columbia MD, 21044, USA | **T** +1 410.531.8770 | **M** +1 667.261.1054  
| [sharyn.nerenberg@grace.com](mailto:sharyn.nerenberg@grace.com)

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W. R. Grace & Co.  
7500 Grace Drive  
Columbia, MD 21044

February 24, 2025

Councilmember Opel Jones  
Howard County Council  
George Howard Building  
3430 Court House Drive  
Ellicott City, MD 21043

Dear Councilmember Jones,

Thank you for your attention over the two days of testimony around CB-11. We appreciate your thoughtful question about facts and data around the many claims you heard throughout.

Below we offer facts and data to correct some of the more salient points of inaccuracy about our pilot research project that you heard during testimony. Facts marked with an asterisk (\*) have been shared directly with MDE in responding to community questions.

- **Grace will not burn or incinerate plastic.**
  - Fact: We have invented a new process of catalytic chemical conversion to break down plastic pellets using a chemical catalyst under heat and pressure; that process does not involve a fire or a flame.
  - Fact: We plan to use a Flameless Thermal Oxidizer, a state-of-the-art emissions control device, to help safely manage the output of our chemical process by “oxidizing” it into CO<sub>2</sub> and water.
- **Grace has developed a new plastic recycling process technology that we wish to pilot.**
  - Fact: This technology is not the “same old pyrolysis technology that has not worked for 40 years.”
  - Fact: Grace has applied for at least six patents related to this new process.
- **There will be no benzene as an input or output of this process.**
  - Fact: On MDE Form 5T, “Toxic Air Pollutant (TAP) Emissions Summary and Compliance Demonstration,” which is included with the air permit application, “ethanol” and “benzene” are pre-populated as examples of pollutants.
- **Grace plans to take steps to help assure there will be no PFAS in the air emissions.\***
  - Fact: The virgin plastic pellets intended for initial studies will be sourced directly from manufacturers and will not contain intentionally-added PFAS. Treated material streams from established recycling facilities intended for later process development have the potential to contain PFAS due to the ubiquitous presence of these chemicals. Grace will use appropriate analytical testing, based on published methods, to measure the total fluorine content of all feedstock, will conservatively assume that all fluorine is due to the presence of PFAS, and will

only use feedstock for which the fluorine content is below trace levels.

- **The air emissions from this research unit are very small.\***
  - Fact: The CO<sub>2</sub> emissions per day included in Grace's permit application are equivalent to less than the CO<sub>2</sub> emissions from 4 gallons of gasoline, based on US EPA data for CO<sub>2</sub> emissions per gallon of fuel for an average passenger vehicle.
  - Fact: NO<sub>x</sub> emissions per day included in Grace's permit application are equivalent to an average US vehicle driving roughly 10 miles, based on 2024 BTS (Bureau of Transportation Statistics) data for average vehicle emissions in the US fleet.
  - Fact: CO emissions per day included in Grace's permit application are equivalent to an average US vehicle driving about 0.2 miles, based on 2024 BTS (Bureau of Transportation Statistics) data for average vehicle emissions.
  - Fact: Maryland Law limits VOC content of flat coatings (e.g. paints) to 50 g/l, and non-flat coatings to 100 g/l. (Maryland Register Reference: 26.11.39.00-26.11.39.9999). Using these standards, VOC emissions per day included in Grace's permit application are equivalent to the maximum VOCs contained in about one-quarter to one-half gallon of paint.
  
- **Particulate matter from this project is essentially non-existent.**
  - Fact: The permit application discloses essentially no Particulate Matter (PM) (we say “essentially” because the PM will be less than 1 pound per year, which amounts to two ten-thousandths of a pound of PM a day (.0002) or 0.5 pounds per year based on our operating hours).
  - Fact: See [EPA's website](#) for more on PM.
  
- **The emissions calculations in the permit application are not guesses.\***
  - Fact: The tables in the MDE application form use the word “estimated” in recognition that the answers cannot be based on direct measurement because any unit submitting a “permit to construct” has not been built yet. Grace therefore uses the word “estimated” because that is the appropriate wording on the form.
  - Fact: The emissions are estimated based on laboratory measurements, research into published data on similar equipment, and information directly from the equipment manufacturers (for example the flameless thermal oxidizer).
  - Fact: The emissions control equipment Grace plans to install has been used consistently in many types of operations for many years, and all the available information from this operating history supports the control efficiencies stated in the permit application.
  
- **There will be no dioxins in the air emissions.\***
  - Fact: Grace enumerated all the potential air emissions as required in the Permit to Construct application. Neither Dioxins nor PCBs will be emitted from this process.

- **There will be no chemicals or microplastics discharged to groundwater from the research process.\***
  - Fact: The pilot plant will not generate any process wastewater streams that will be discharged to the site grounds, waterways, or groundwater.
  - Fact: All waste materials will be managed in compliance with all applicable laws.
  - Fact: The pilot plant will not generate microplastics.
  
- **We are not building a manufacturing or production-scale facility.**
  - Fact: The research lab will be built inside an existing building on our property and will process a very small amount of plastic (1 kilogram or 2.2 lbs per hour at most).
  - Fact: We realize that calling this project a “pilot plant” in the Air Permit Application has, unfortunately, created the image of a manufacturing plant, when in fact, it is a laboratory at a similar scale to the other 10+ labs on the Columbia campus.
  
- **Thermal oxidizers are state-of-the-art emissions control technology.**
  - Fact: Throughout our network, Grace operates several thermal oxidizers because they are recognized state-of-the-art emissions control technology; see [EPA information here](#).
  - Fact: Thermal oxidizer fires and explosions cited at other sites have occurred on units that generate flames – ours will be *flameless*.
  - Fact: In the unlikely event the unit were to spark a fire, it would be on the scale of a fire in a gas stove in a residential kitchen, not an industrial refinery.
  
- **Grace sold the land that is now Cedar Creek to a commercial developer.**
  - Fact: Grace sold the land to a commercial developer.
  - Fact: The developer subsequently had the property re-zoned by the Howard County Planning Committee as residential.
  
- **Throughout the permit process, Grace has provided information as requested by MDE and answered questions that MDE has shared from the community.**
  - Fact: Grace has made information about the project available to our neighbors via the public meeting and our website (see <https://grace.com/campaign/pilot-project-in-columbia/>).
  - Fact: Grace has provided responses to all questions received from MDE to MDE directly; it is our understanding that MDE will make the responses public with their determination on the permit application.
  
- **Grace is receiving no tax credits or government incentives for this work.**

We regret that the permit application for this small but potentially mighty project has caused such a reaction and required so much time and energy from our community, our elected leaders and our employees. When the process is complete, we look forward to engaging with our



Columbia neighbors in what we hope will be a productive, forward-looking and mutually beneficial relationship.

Should you have further questions, please feel free to contact MDE or either of us directly.

Sincerely,



Scott Purnell  
Vice President, R&D



Sharyn Nerenberg  
Vice President, Communications

Cc: Howard County Council Members via [CouncilMail@HowardCountyMD.gov](mailto:CouncilMail@HowardCountyMD.gov)

---

**From:** Shazia Omarzad <shazia.omarzad@gmail.com>  
**Sent:** Monday, February 24, 2025 8:44 PM  
**To:** CouncilDistrict1@howardcountymd.gov; CouncilDistrict2@howardcountymd.gov; CouncilDistrict3@howardcountymd.gov; CouncilDistrict4@howardcountymd.gov; CouncilDistrict5@howardcountymd.gov  
**Subject:** Reasons to vote YES to CB11-2025

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Dear County Council Members,

Thank you for your attention to the grave concern of residents regarding the W.R. Grace Pilot Project. The Cedar Creek Community has summarized key findings and statistics on why advanced recycling is not safe near residential homes, which is endorsed **unanimously by the Howard County Planning Board** for your immediate review. We have also included flaws in Grace's permit application. **You will find many reasons below to vote YES to CB11-2025 to protect public health and stand behind your constituents.**

#### **Unanimous Recommendation from Howard County Department of Planning & Zoning**

1. **Howard County Department of Planning & Zoning Recommendation:** DPZ reviewed all the facts and the 3 board members **unanimously** recommended for the Council to come up with legislation/amendments for the project not to be implemented so close to residential homes due to the potential hazards/risk of fire, leaks, and explosions. Board Member James Cecil testified for a bill presented by Senator Clarence Lam regarding rendering a tax credit to residents impacted by the pilot plant, and he suggested that the state should instead use the money contemplated for the tax credit to move the project to M-1, M-2 Districts.

#### **Flaws in Grace's Recycling Claims**

2. **Recycling Misconception:** The industry promotes chemical recycling as a solution to plastic waste, but it is often just a way to **green wash** incineration (NRDC, 2022, p. 1; [Beyond Plastics](#), 2025)

3. **EPA regulations define pyrolysis units as incinerators:** The EPA stated in a letter to the Maryland Department of the Environment that the W.R. Grace Pilot Plant "would meet the definition of an [Other Solid Waste Incinerator](#), as OSWI expressly includes pyrolysis units" (U.S. Environmental Protection Agency, Region 3. (2025, January 8). Applicability Determination Request - OSWI Rule and Proposed Pilot Plant in Maryland [Letter to Suna Yi Sariscak, Maryland Department of the Environment].)

4. **Energy Recovery:** Burning plastic for fuel (plastic-to-fuel) does not count as **recycling** by international standards, as it generates the same harmful pollutants as fossil fuels (NRDC, 2022, p. 3). [HOWARD COUNTY ZONING REGULATIONS | Zoning | Howard County, MD | Municode Library](#)

#### **Health and Environment Concerns of Plastic Incineration**

5. **Health Risks:** The chemicals released or disposed of by these facilities are highly toxic, with many being **carcinogenic, neurotoxic, or reproductive toxicants**. For instance, **VOC's** are among the substances that pose severe health risks, including cancer and developmental harm (NRDC, 2022, p. 5,6) ([Dragon et al. 2023](#)) ([Smolker et al, 2024](#)) (Brumberg et al. 2021) (EPA 2024) (American Lung Association 2024)



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#### Grace's Regulatory Non-Compliance and Application Omissions

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15. **Permit Docket 16-23 and the Analysis of the Risks Focused on the Most Conservative Use Case W.R. Grace Will Conduct While W.R. Grace's True Operation Are Expected to Scale Up and Experiment with Different Applications Beyond Those Identified in the Initial Application:** W.R. Grace makes various assumptions under their permit application while admitting that they may experiment with, or expand on, many fundamental elements in the permit. For example, they suggest 2.2lbs of plastic will be incinerated per hour while having no restrictions from increasing that amount. They also identify one type of homogeneous feedstock with allegedly less serious emissions concerns, while affording them unlimited latitude to expand the types of feedstocks used or the volumes to be used (all without oversight or restriction) based on the broad catch-all language in the permit to use "other types" as well ([see Section 11 in Permit Docket 16-23](#)). Grace's identification of a "happy path" for purposes of obtaining the permit while using umbrella terms allowing them to expand without oversight or restriction is hugely concerning and should be expected (if the permit is approved on the condition that no expansion in the volume or application of uses be permitted beyond the exact types/quantities identified in the permit. W.R. Grace would surely object, as they've acknowledged such expansions are likely). (Testimony of Scott Purnell, VP of R&D- Refining Technologies at W.R. Grace & Co. February 19th, 2025).

16. **Zoning Non-Compliance:** Since the plant is established as an incineration facility, then the Zoning regulations of Howard County preclude the facility to be located in a PEC District. Bill No. 17-2021(ZRA-197), § 1, 5-6-2021; Bill No. 39-2023(ZRA-204), § 1, 11-6-2023) The Solid Waste District permits processing facilities for non-hazardous solid waste which are not covered elsewhere in the Zoning Regulations, while requiring detailed review of each proposal to evaluate its land use impacts and its potential contribution to the County's solid waste management system. **Because many solid waste processing facilities are of a heavy industrial nature, the SW District is an overlay district which may be applied only to land in the M-2 District.** [HOWARD COUNTY ZONING REGULATIONS](#)

17. **Grace's Emission Numbers Ignore Contributions from Several Factors, including:** Early plant trials; operation outside of steady-state (e.g. start-ups, shutdowns); catalyst regenerator venting; leaks; fugitive emissions; and accidents.

18. **Flaws in Grace's Environmental Justice Report:** Grace's Environmental Justice (EJ) report indicates that there are no high schools, grocery stores, or land restoration facilities within Census Tract 6055.05, Howard County, Maryland (Maryland Department of the Environment [MDE], 2023, [Docket #16-23](#), p. 9). However, public maps confirm that River Hill High School, the River Hill Shopping Center, and the Forest Retention Area on the property line between Cedar Creek and Grace all fall within this tract.

19. **Regulatory Concerns:** Many facilities are not subject to stringent regulations because some states have sought to reclassify chemical recycling as a non-solid waste facility, reducing oversight (NRDC, 2022, p.7,8). MDE's grant funding from the federal government to oversee an operation like Grace's plant has been eliminated (WYPR, 2025).

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22. **Documented Accidents Involving the use of Pyrolysis Reactors and Thermal Oxidizers:** These include Husky Energy Refinery in 2018 in Superior, WI ([36 workers injured, 39,000 lb. of flammable hydrocarbons released](#)) and Exxon-Mobil in 2018 in Torrance, CA ([four contractors were injured, neighborhood was dusted with a coat of ash](#)).

23. **Exempt from Emergency Planning and Community Right-to-Know Act (EPCRA):** EPCRA enhances public safety by ensuring first responders and communities have critical information to prevent and manage hazardous incidents, reducing risks to human health and the environment. However, this facility's classification as a research and development facility (NAICS code [541715](#)) exempts Grace from much of this reporting.

### **Effects on Minorities, Low-Income Households, and Children:**

24. **Environmental Justice Issues:** Many advanced recycling facilities are located in communities with a high percentage of low-income residents and people of color (NRDC, 2022, p. 7, [Beyond Plastics](#), 2025). **The Environmental Justice (EJ) score of 29% indicated in Grace's MDE application is understated and misleading, as it does not include groups of minorities and low-income households who moved into residential communities adjacent to Grace after the 2020 census.** The 2020 census indicates a 54.33% minority population per Grace's EJ report (Maryland Department of the Environment [MDE], 2023, [Docket #16-23](#), p. 11). However, we believe as many as 80% of residents in Cedar Creek, all of whom moved in after the 2020 census, are people of color. Additionally, **Robinson Overlook Apartments, an affordable housing community adjacent to Grace's headquarters, only opened in August 2021** ([Woda Cooper Companies](#), 2021). **Outreach from Cedar Creek residents confirmed that Robinson Overlook residents are unaware of Grace's plans.**

25. **Growing Children in the Community:** The Cedar Creek neighborhood consists of 100+ children. Children breathe more air relative to their body weight than adults, breathing in 2 to 3 times as much air per minute, making them more susceptible to harmful air pollution (Unicef, 2019).

### **Benefits Do Not Outweigh Risks:**

26. **Current Evidence Suggests Benefits of Projects like Grace's are Overstated:** Of 11 constructed chemical recycling facilities in the U.S., two of these facilities closed in the first half of 2024: Regenyx in Oregon and Fulcrum in Nevada. Most of the remaining nine facilities are not operating at full capacity. Even if they were operating at full capacity, the remaining nine facilities could only process 1.2% of all U.S. plastic waste ([Beyond Plastics](#), 2025). More concerning, a study published by the [Federal Government's Renewable Energy Lab](#), found that chemical recycling was actually 10-100 times worse for the environment than simply producing new, virgin plastic.

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Howard County's mission includes striving to be a place with safe and healthy communities. Vetoing or tabling CB11-2025, and allowing WR Grace to build this facility, will cause irreparable HARM to our community and surrounding communities. This includes health impacts to our children and elderly, safety impacts from possible leaks/fires/explosions, and environmental justice impacts to resources like Robinson Nature Preserve. The Howard County Planning Board unanimously approved the proposed ZRA-211 as they were concerned about the impacts to the community.

**As constituents and members of the Howard County community, we trust you to uphold the county's values to do the right thing and we urge you to [vote YES for CB11-2025 on March 3rd, 2025](#).**

Thank you!

Sincerely,  
Shazia Omarzad  
Cedar Creek Resident.



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**From:** Sreevatsan Narayanan <sreevats.ns@gmail.com>  
**Sent:** Monday, February 24, 2025 8:13 PM  
**To:** CouncilDistrict1@howardcountymd.gov  
**Subject:** Reasons to Vote for CB11-2025  
**Attachments:** Reasons to Vote YES to CB11-2025 (3).pdf

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Dear Council member,  
Please see attached document regarding some of the Facts, as to why we urge you to vote for CB11-2025

Sincerely,  
Sreevatsan Narayanan  
Cedar Creek resident

Dear County Council Members,

Thank you for your attention to the grave concern of residents regarding the W.R. Grace Pilot Project. The Cedar Creek Community has summarized key findings and statistics on why advanced recycling is not safe near residential homes, which is endorsed **unanimously by the Howard County Planning Board** for your immediate review. We have also included flaws in Grace's permit application. **You will find many reasons below to vote YES to CB11-2025 to protect public health and stand behind your constituents.**

### **Unanimous Recommendation from Howard County Department of Planning & Zoning**

1. **Howard County Department of Planning & Zoning Recommendation:** DPZ reviewed all the facts and the 3 board members **unanimously** recommended for the Council to come up with legislation/amendments for the project not to be implemented so close to residential homes due to the potential hazards/risk of fire, leaks, and explosions. Board Member James Cecil testified for a bill presented by Senator Clarence Lam regarding rendering a tax credit to residents impacted by the pilot plant, and he suggested that the state should instead use the money contemplated for the tax credit to move the project to M-1, M-2 Districts.

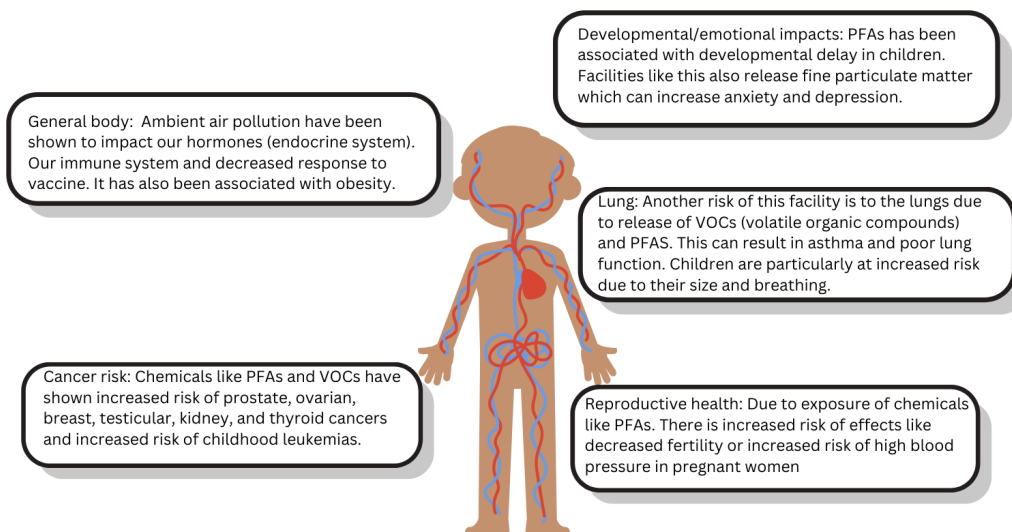
### **Flaws in Grace's Recycling Claims**

2. **Recycling Misconception:** The industry promotes chemical recycling as a solution to plastic waste, but it is often just a way to **greenwash** incineration ([NRDC](#), 2022, p. 1; [Beyond Plastics](#), 2025)
3. **EPA regulations define pyrolysis units as incinerators:** The EPA stated in a letter to the Maryland Department of the Environment that the W.R. Grace Pilot Plant "would meet the definition of an [Other Solid Waste Incinerator](#), as OSWI expressly includes pyrolysis units" (U.S. Environmental Protection Agency, Region 3. (2025, January 8). Applicability Determination Request - OSWI Rule and Proposed Pilot Plant in Maryland [Letter to Suna Yi Sariscak, Maryland Department of the Environment].).
4. **Energy Recovery:** Burning plastic for fuel (plastic-to-fuel) does not count as **recycling** by international standards, as it generates the same harmful pollutants as fossil fuels ([NRDC](#), 2022, p. 3). [HOWARD COUNTY ZONING REGULATIONS | Zoning | Howard County, MD | Municode Library](#)

### **Health and Environment Concerns of Plastic Incineration**

5. **Health Risks:** The chemicals released or disposed of by these facilities are highly toxic, with many being **carcinogenic**, **neurotoxic**, or **reproductive toxicants**. For instance, **VOC's** are among the substances that pose severe health risks, including cancer and developmental harm ([NRDC](#), 2022, p. 5,6) ([Dragon](#) et al. 2023) ([Smolker](#) et al, 2024) ([Brumberg](#) et al. 2021) ([EPA 2024](#)) ([American Lung Association 2024](#))

## How Outdoor Air Pollutants Impact our Health



### Citations:

1. [Brumberg et al. 2021](#): Ambient Air Pollution: Health Hazards to Children
2. [EPA 2024](#) Our Current Understanding of the Human Health and Environmental Risks of PFAS
3. [American Lung Association 2024](#) Volatile Organic Compounds
4. [Dragon et al 2023](#). Perfluoroalkyl Substances (PFAS) Affect Inflammation in Lung Cells and Tissues

6. **Hazardous Waste:** Most "chemical recycling" facilities in the U.S. are **not recycling plastic**, and instead, generate **hazardous waste** that is often incinerated ([NRDC](#), 2022, p. 3, 4; [Beyond Plastics](#), 2025).
7. **Air Pollution:** "Chemical recycling" facilities are known to release **hazardous air pollutants** like styrene, toluene, and dioxins. These pollutants are linked to serious health issues such as **cancer, birth defects, and respiratory problems** ([NRDC](#), 2022, p. 5,6; [Beyond Plastics](#), 2025).
8. **Polymer Burning Evidence in Grace's Own MDE Application:** Grace will burn 2,588 kg/yr of polymer following a gasification step in the reactor as indicated in their permit application. In addition, burning will also take place in the catalyst regeneration unit. (Maryland Department of the Environment [MDE], 2023, [Docket #16-23](#), p. 29 and p. 16, respectively).
9. **Harmful Chemicals:** About 16,000 chemical additives are used in making plastics. More than a quarter (4,200) of these chemicals are known to be harmful to human health and/or the environment while even more have not yet been studied ([PlastChem](#), 2024).



10. **Increased Risk as a Pilot Plant:** A study looking at health impacts on a similar facility concluded that hazards of a pilot-plant can be greater than those of a production plant, since pilot-plants are operated to test different process conditions, far from the optimized ones. ([Paladino et al, 2021](#)).

### Flaws in Grace's Claims that R&D Emissions will be Negligible

11. **An Independent Scientific Review Conducted for Maryland House of Delegates Concluded that Emissions Are Likely Greater than Stated by Grace:** Grace has strongly denied that there will be any emissions of PFAS, benzene, or other chemicals that residents have expressed concern about. However, **according to an independent chemical engineer, Dave Arndt who reviewed Grace's permit application for Maryland State Delegate [Jennifer R. Terrasa](#)**, *"W.R. Grace has stated that the materials that they are going to feed into their reactor are "hard to recycle" plastics, resin identification code 1-7. These plastics have been found to include the following items which have been documented to be released in incineration emissions: PFAS, Bisphenols, Phthalates, Chlorine, Florine, Lead, Cadmium, Selenium, Benzene, 1,2-dichloroethane, Chromium, Vinyl chloride, Barium, Styrene, Benzene, Toluene, Mercury, Arsenic, Dioxins, Ethyl benzene, Xylenes, Naphthalene, Acetaldehyde, Formaldehyde, Hydrochloric acid, Methanol, Hexane and PM2.5. Please note that this is not an all-inclusive list, there may be other compounds released depending on the plastic feedstock being used."* The above findings by Mr. Arndt are consistent with a near-unanimous consensus among the scientific community, all of which identify many of the above emissions as probable byproducts from similar incineration/pyrolysis operations.
12. **Grace's MDE Application Uses One Polymer as its Benchmark Feedstock for Emission Calculation Purposes, While Acknowledging that It May Use Several "Other" Polymers:** Grace says that its MDE application is focused on homogeneous polypropylene (*"The proposed Project is designed to process 1 kg/hr of commercially available plastic pellet feedstock (the benchmark feedstock can be 100% homogeneous polypropylene (PP))"*) but acknowledges the intention to use several other polymers as feedstock (*"However, a typical mixed plastic also can include low density polyethylene (LDPE), high density polyethylene (HDPE), polyethylene terephthalate (PET), polystyrene (PS), polyvinyl chloride (PVC), and others"*). The use of the term "others" in the list of polymers is a major concern, as it would open the door for Grace to include any type of polymer imaginable and potentially produce new kinds of emissions that are not contemplated in the initial report. (Maryland Department of the Environment [MDE], 2023, [Docket #16-23](#), p. 15).
13. **Chemical Recycling Facilities Release Pollutants that Can be Dangerous Regardless of R&D Size and Scale:** Even small R&D facilities release pollutants, and many of these pollutants (like benzene, dioxins, and VOCs) are harmful even in small amounts and have no safe threshold for exposure. According to Dave Arndt, the chemical engineer who reviewed Grace's permit application for Maryland State Delegate [Jennifer R. Terrasa](#), *"W.R. Grace only presents that 0.218 lb of VOCs will be emitted daily, however [they] don't give the chemical make-up of the VOCs being emitted. Some*

*VOCs are highly carcinogenic and even at that volume should not be release[d] to the public.”*

## **Grace’s Regulatory Non-Compliance and Application Omissions**

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**As constituents and members of the Howard County community, we trust you to uphold the county's values to do the right thing and we urge you to vote YES for CB11-2025 on March 3rd, 2025.**

Thank you!

Sincerely,

Cedar Creek Residents

---

**From:** Rigby, Christiana  
**Sent:** Monday, February 24, 2025 10:15 AM  
**To:** Harrod, Michelle; Wimberly, Theodore; Anderson, Isaiah  
**Subject:** FW: Stop WR Grace Plastic Recycling

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

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**From:** Victoria Kraushar-Plantholt <victoriakkp@gmail.com>  
**Sent:** Thursday, February 20, 2025 9:21 PM  
**To:** Rigby, Christiana <crigby@howardcountymd.gov>  
**Subject:** Stop WR Grace Plastic Recycling

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Hello,

I am writing to show my opposition to the proposed WR Grace plastics recycling center. The company is infamous for polluting the environment and endangering people's health. I've been very happy with your leadership in our community and trust that you will oppose this development.

Sincerely,  
Victoria Kraushar-Plantholt

---

**From:** Rigby, Christiana  
**Sent:** Monday, February 24, 2025 10:15 AM  
**To:** Harrod, Michelle; Wimberly, Theodore; Anderson, Isaiah  
**Subject:** Support ZRA CB11-2025

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

---

**From:** Yemisi Aina <yemi.plays.guitar@gmail.com>  
**Sent:** Friday, February 21, 2025 1:00 PM  
**To:** Rigby, Christiana <crigby@howardcountymd.gov>  
**Cc:** CouncilDistrict3@howardcountymd.gov  
**Subject:** Support ZRA CB11-2025

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Dear Councilman Rigby:

I am writing today to urge you to support CB-11-2025. This measure will protect our community and the communities surrounding the W.R. Grace campus from the deleterious health and safety impacts of the company's planned plastic R&D facility. Howard County residents deserve to reap the benefits of clean air and the peace of mind in knowing that their families are not being exposed to ongoing chemical emissions from this planned facility, nor must they live in constant fear of leaks and fires, very real possibilities.

W.R. Grace is planning on installing an incinerator (as determined by the EPA) on its campus next to and in the midst of Howard County communities. This is unacceptable. A project like this does not belong in our residential communities.

Despite Grace's assurances, we are not reassured that the impacts of this facility are negligible. W.R. Grace has demonstrated a careless approach and significant disregard to residents' opposition to this project. Given Grace's terrible track record in polluting communities, residents, employees, towns and surrounding environments (the movie A Civil Action is based on Grace negligence and abuse), coupled with the way in which they have handled this proposed plan, we strongly oppose this project.

We need you to stand up to Grace's lack of regard for our health and safety. I urge to vote in support of CB-11-2025 without any amendments.

I will be keenly watching your vote, which will greatly impact my future voting.

Thank you,  
Yemisi Aina

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**From:** Gambrell, Virginia  
**Sent:** Tuesday, February 25, 2025 8:38 AM  
**To:** Anderson, Isaiah  
**Subject:** FW: Vote - Deepak Patre Shashikumar  
**Attachments:** Reasons to Vote YES to CB11-2025.pdf

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**From:** Deepak Patre <deepak.spathre@gmail.com>  
**Sent:** Tuesday, February 25, 2025 8:08 AM  
**To:** CouncilDistrict1@howardcountymd.gov  
**Subject:** Vote - Deepak Patre Shashikumar

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Good morning Ms. Liz,

I vote Yes to CB11-2025.

Sincerely,  
Deepak Patre Shashikumar  
Cedar Creek Resident



Dear County Council Members,

Thank you for your attention to the grave concern of residents regarding the W.R. Grace Pilot Project. The Cedar Creek Community has summarized key findings and statistics on why advanced recycling is not safe near residential homes, which is endorsed **unanimously by the Howard County Planning Board** for your immediate review. We have also included flaws in Grace's permit application. **You will find many reasons below to vote YES to CB11-2025 to protect public health and stand behind your constituents.**

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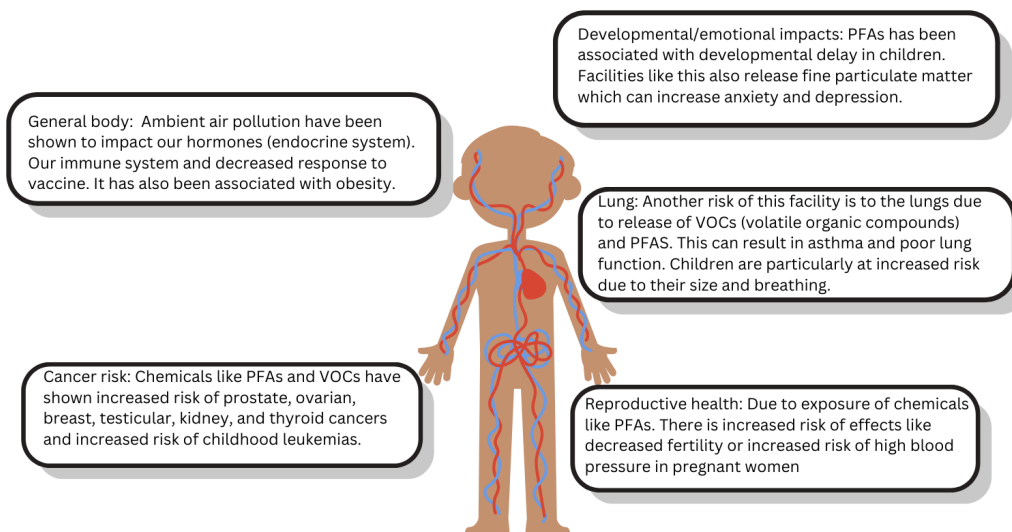
### **Flaws in Grace's Recycling Claims**

2. **Recycling Misconception:** The industry promotes chemical recycling as a solution to plastic waste, but it is often just a way to **greenwash** incineration ([NRDC](#), 2022, p. 1; [Beyond Plastics](#), 2025)
3. **EPA regulations define pyrolysis units as incinerators:** The EPA stated in a letter to the Maryland Department of the Environment that the W.R. Grace Pilot Plant "would meet the definition of an [Other Solid Waste Incinerator](#), as OSWI expressly includes pyrolysis units" (U.S. Environmental Protection Agency, Region 3. (2025, January 8). Applicability Determination Request - OSWI Rule and Proposed Pilot Plant in Maryland [Letter to Suna Yi Sariscak, Maryland Department of the Environment].).
4. **Energy Recovery:** Burning plastic for fuel (plastic-to-fuel) does not count as **recycling** by international standards, as it generates the same harmful pollutants as fossil fuels ([NRDC](#), 2022, p. 3). [HOWARD COUNTY ZONING REGULATIONS | Zoning | Howard County, MD | Municode Library](#)

### **Health and Environment Concerns of Plastic Incineration**

5. **Health Risks:** The chemicals released or disposed of by these facilities are highly toxic, with many being **carcinogenic**, **neurotoxic**, or **reproductive toxicants**. For instance, **VOC's** are among the substances that pose severe health risks, including cancer and developmental harm ([NRDC](#), 2022, p. 5,6) ([Dragon](#) et al. 2023) ([Smolker](#) et al, 2024) ([Brumberg](#) et al. 2021) ([EPA 2024](#)) ([American Lung Association 2024](#))

## How Outdoor Air Pollutants Impact our Health



### Citations:

1. [Brumberg et al. 2021](#): Ambient Air Pollution: Health Hazards to Children
2. [EPA 2024](#) Our Current Understanding of the Human Health and Environmental Risks of PFAS
3. [American Lung Association 2024](#) Volatile Organic Compounds
4. [Dragon et al 2023](#). Perfluoroalkyl Substances (PFAS) Affect Inflammation in Lung Cells and Tissues

6. **Hazardous Waste:** Most "chemical recycling" facilities in the U.S. are **not recycling plastic**, and instead, generate **hazardous waste** that is often incinerated ([NRDC](#), 2022, p. 3, 4; [Beyond Plastics](#), 2025).
7. **Air Pollution:** "Chemical recycling" facilities are known to release **hazardous air pollutants** like styrene, toluene, and dioxins. These pollutants are linked to serious health issues such as **cancer, birth defects, and respiratory problems** ([NRDC](#), 2022, p. 5,6; [Beyond Plastics](#), 2025).
8. **Polymer Burning Evidence in Grace's Own MDE Application:** Grace will burn 2,588 kg/yr of polymer following a gasification step in the reactor as indicated in their permit application. In addition, burning will also take place in the catalyst regeneration unit. (Maryland Department of the Environment [MDE], 2023, [Docket #16-23](#), p. 29 and p. 16, respectively).
9. **Harmful Chemicals:** About 16,000 chemical additives are used in making plastics. More than a quarter (4,200) of these chemicals are known to be harmful to human health and/or the environment while even more have not yet been studied ([PlastChem](#), 2024).

10. **Increased Risk as a Pilot Plant:** A study looking at health impacts on a similar facility concluded that hazards of a pilot-plant can be greater than those of a production plant, since pilot-plants are operated to test different process conditions, far from the optimized ones. ([Paladino et al, 2021](#)).

### Flaws in Grace's Claims that R&D Emissions will be Negligible

11. **An Independent Scientific Review Conducted for Maryland House of Delegates Concluded that Emissions Are Likely Greater than Stated by Grace:** Grace has strongly denied that there will be any emissions of PFAS, benzene, or other chemicals that residents have expressed concern about. However, **according to an independent chemical engineer, Dave Arndt who reviewed Grace's permit application for Maryland State Delegate [Jennifer R. Terrasa](#)**, *"W.R. Grace has stated that the materials that they are going to feed into their reactor are "hard to recycle" plastics, resin identification code 1-7. These plastics have been found to include the following items which have been documented to be released in incineration emissions: PFAS, Bisphenols, Phthalates, Chlorine, Florine, Lead, Cadmium, Selenium, Benzene, 1,2-dichloroethane, Chromium, Vinyl chloride, Barium, Styrene, Benzene, Toluene, Mercury, Arsenic, Dioxins, Ethyl benzene, Xylenes, Naphthalene, Acetaldehyde, Formaldehyde, Hydrochloric acid, Methanol, Hexane and PM2.5. Please note that this is not an all-inclusive list, there may be other compounds released depending on the plastic feedstock being used."* The above findings by Mr. Arndt are consistent with a near-unanimous consensus among the scientific community, all of which identify many of the above emissions as probable byproducts from similar incineration/pyrolysis operations.
12. **Grace's MDE Application Uses One Polymer as its Benchmark Feedstock for Emission Calculation Purposes, While Acknowledging that It May Use Several "Other" Polymers:** Grace says that its MDE application is focused on homogeneous polypropylene (*"The proposed Project is designed to process 1 kg/hr of commercially available plastic pellet feedstock (the benchmark feedstock can be 100% homogeneous polypropylene (PP))"*) but acknowledges the intention to use several other polymers as feedstock (*"However, a typical mixed plastic also can include low density polyethylene (LDPE), high density polyethylene (HDPE), polyethylene terephthalate (PET), polystyrene (PS), polyvinyl chloride (PVC), and others"*). The use of the term "others" in the list of polymers is a major concern, as it would open the door for Grace to include any type of polymer imaginable and potentially produce new kinds of emissions that are not contemplated in the initial report. (Maryland Department of the Environment [MDE], 2023, [Docket #16-23](#), p. 15).
13. **Chemical Recycling Facilities Release Pollutants that Can be Dangerous Regardless of R&D Size and Scale:** Even small R&D facilities release pollutants, and many of these pollutants (like benzene, dioxins, and VOCs) are harmful even in small amounts and have no safe threshold for exposure. According to Dave Arndt, the chemical engineer who reviewed Grace's permit application for Maryland State Delegate [Jennifer R. Terrasa](#), *"W.R. Grace only presents that 0.218 lb of VOCs will be emitted daily, however [they] don't give the chemical make-up of the VOCs being emitted. Some*

*VOCs are highly carcinogenic and even at that volume should not be release[d] to the public.”*

## **Grace’s Regulatory Non-Compliance and Application Omissions**

14. **Failure to Comply with the Clean Air Act:** As discussed earlier, Grace’s pyrolysis unit is classified as an “Other Solid Waste Incinerator.” [Federal Clean Air Act Section 129](#) addresses emissions from solid waste combustion, and incinerators are regulated under the Clean Air Act’s incinerator provision, [Section 7429](#). There is no mention of compliance with Sections 129 or 7429 of the Federal Clean Air Act in [Grace’s application](#) or MDE’s tentative determination for the permit. Both the text and legislative history of the Clean Air Act indicate that Congress intended Section 7429 to cover all facilities that combust solid waste, except those expressly exempted by Congress. Since Congress did not expressly exempt small units combusting plastic and other wastes from the Clean Air Act, they are still covered by the Act and need a Section 129 Clean Air Act permit. Indeed, subsequent court decisions have affirmed that Congress did intend to regulate these small facilities burning waste. [See *Sierra Club v. EPA*, 167 F.3d 658, 662 (D.C. Cir. 1999)].
15. **Permit Docket 16-23 and the Analysis of the Risks Focused on the Most Conservative Use Case W.R. Grace Will Conduct While W.R. Grace’s True Operation Are Expected to Scale Up and Experiment with Different Applications Beyond Those Identified in the Initial Application:** W.R. Grace makes various assumptions under their permit application while admitting that they may experiment with, or expand on, many fundamental elements in the permit. For example, they suggest 2.2lbs of plastic will be incinerated per hour while having no restrictions from increasing that amount. They also identify one type of homogeneous feedstock with allegedly less serious emissions concerns, while affording them unlimited latitude to expand the types of feedstocks used or the volumes to be used (all without oversight or restriction) based on the broad catch-all language in the permit to use “other types” as well ([see Section 11 in Permit Docket 16-23](#)). Grace’s identification of a “happy path” for purposes of obtaining the permit while using umbrella terms allowing them to expand without oversight or restriction is hugely concerning and should be expected (if the permit is approved on the condition that no expansion in the volume or application of uses be permitted beyond the exact types/quantities identified in the permit. W.R. Grace would surely object, as they’ve acknowledged such expansions are likely). (Testimony of Scott Purnell, VP of R&D- Refining Technologies at W.R. Grace & Co. February 19th, 2025).
16. **Zoning Non-Compliance:** Since the plant is established as an incineration facility, then the Zoning regulations of Howard County preclude the facility to be located in a PEC District. Bill No. 17-2021(ZRA-197), § 1, 5-6-2021; Bill No. 39-2023(ZRA-204), § 1, 11-6-2023) The Solid Waste District permits processing facilities for non-hazardous solid waste which are not covered elsewhere in the Zoning Regulations, while requiring detailed review of each proposal to evaluate its land use impacts and its potential contribution to the County’s solid waste management system. **Because many solid waste processing facilities are of a heavy industrial nature, the SW District is an**

overlay district which may be applied only to land in the M-2 District. [HOWARD COUNTY ZONING REGULATIONS](#)

17. **Grace's Emission Numbers Ignore Contributions from Several Factors, including:** Early plant trials; operation outside of steady-state (e.g. start-ups, shutdowns); catalyst regenerator venting; leaks; fugitive emissions; and accidents.
18. **Flaws in Grace's Environmental Justice Report:** Grace's Environmental Justice (EJ) report indicates that there are no high schools, grocery stores, or land restoration facilities within Census Tract 6055.05, Howard County, Maryland (Maryland Department of the Environment [MDE], 2023, [Docket #16-23](#), p. 9). However, public maps confirm that River Hill High School, the River Hill Shopping Center, and the Forest Retention Area on the property line between Cedar Creek and Grace all fall within this tract.
19. **Regulatory Concerns:** Many facilities are not subject to stringent regulations because some states have sought to reclassify chemical recycling as a non-solid waste facility, reducing oversight ([NRDC](#), 2022, p.7,8). MDE's grant funding from the federal government to oversee an operation like Grace's plant has been eliminated ([WYPR](#), 2025).

### Safety Concerns

20. **Incidents of Fires:** Two advanced recycling plants, **New Hope Energy** and **Brightmark**, experienced **fires** within the first year of operation, highlighting the potential safety hazards ([NRDC](#), 2022, p.8).
21. **Grace's Application Indicates there will be Fuel Storage and Transfer, which Increases Fire and Accident Risk:** Grace will be regularly producing, warehousing, and transporting multiple 55-gal drums of fuel and shipped to a third party waste treatment facility (Maryland Department of the Environment [MDE], 2023, [Docket #16-23](#), p. 16). This is not accurate reporting. Every drop needs to be accounted for, plus shipment dates and times, method of shipment and name of the treatment facility must be documented. Therefore, a hazardous liquid permit must also be obtained.
22. **Documented Accidents Involving the use of Pyrolysis Reactors and Thermal Oxidizers:** These include Husky Energy Refinery in 2018 in Superior, WI ([36 workers injured, 39,000 lb. of flammable hydrocarbons released](#)) and Exxon-Mobil in 2018 in Torrance, CA ([four contractors were injured, neighborhood was dusted with a coat of ash](#)).
23. **Exempt from Emergency Planning and Community Right-to-Know Act (EPCRA):** [EPCRA](#) enhances **public safety** by ensuring first responders and communities have critical information to prevent and manage hazardous incidents, reducing risks to human health and the environment. However, this facility's classification as a research and development facility (NAICS code [541715](#)) exempts Grace from much of this reporting.

### Effects on Minorities, Low-Income Households, and Children:

24. **Environmental Justice Issues:** Many advanced recycling facilities are located in communities with a high percentage of **low-income** residents and **people of color** (NRDC, 2022, p. 7, Beyond Plastics, 2025). **The Environmental Justice (EJ) score of**

**29% indicated in Grace’s MDE application is understated and misleading, as it does not include groups of minorities and low-income households who moved into residential communities adjacent to Grace after the 2020 census.** The 2020 census indicates a 54.33% minority population per Grace’s EJ report (Maryland Department of the Environment [MDE], 2023, [Docket #16-23](#), p. 11). However, we believe as many as 80% of residents in Cedar Creek, all of whom moved in after the 2020 census, are people of color. Additionally, **Robinson Overlook Apartments, an affordable housing community adjacent to Grace’s headquarters, only opened in August 2021** ([Woda Cooper Companies](#), 2021). **Outreach from Cedar Creek residents confirmed that Robinson Overlook residents are unaware of Grace’s plans.**

25. **Growing Children in the Community:** The Cedar Creek neighborhood consists of 100+ children. Children breathe more air relative to their body weight than adults, breathing in 2 to 3 times as much air per minute, making them more susceptible to harmful air pollution ([Unicef](#), 2019).

#### **Benefits Do Not Outweigh Risks:**

26. **Current Evidence Suggests Benefits of Projects like Grace’s are Overstated:** Of 11 constructed chemical recycling facilities in the U.S., two of these facilities closed in the first half of 2024: Regenyx in Oregon and Fulcrum in Nevada. Most of the remaining nine facilities are not operating at full capacity. Even if they were operating at full capacity, the remaining nine facilities could only process 1.2% of all U.S. plastic waste ([Beyond Plastics](#), 2025). More concerning, a study published by the [Federal Governments Renewable Energy Lab](#), found that chemical recycling was actually 10-100 times worse for the environment than simply producing new, virgin plastic.
27. **Hours of Facility Operation Increase Risks:** The plant will operate 16 hours a day (Maryland Department of the Environment [MDE], 2023, [Docket #16-23](#), p. 16), five days a week, all year round, potentially for many years. The long-term cumulative effects of this persistent exposure on the health of children and adults residing just yards from the facility are unknown, but remain a major concern.
28. **Grace Has a Documented History of Contaminating this Location with Hazardous Waste, Suggesting this Project Carries Elevated Risks:** There is a public report on the [EPA’s website](#) describing the efforts to clean-up environmental pollutants around Grace’s headquarters. According to the EPA, “*The contaminants of concern include trichloroethene (TCE), 1,1,2,2-tetrachloroethane, tetrachloroethene, 1,1-dichloroethene, 1,1-dichloroethane, 1,2-dichloroethane, and trichlorofluoromethane.*”

Howard County’s mission includes striving to be a place with safe and healthy communities. Vetoing or tabling CB11-2025, and allowing WR Grace to build this facility, will cause irreparable HARM to our community and surrounding communities. This includes health impacts to our children and elderly, safety impacts from possible leaks/fires/explosions, and environmental justice impacts to resources like Robinson Nature Preserve. The Howard County Planning Board unanimously approved the proposed ZRA-211 as they were concerned about the impacts to the community.

**As constituents and members of the Howard County community, we trust you to uphold the county's values to do the right thing and we urge you to vote YES for CB11-2025 on March 3rd, 2025.**

Thank you!

Sincerely,

Cedar Creek Residents