

**Below are a few ideas / reasons of what to send into the EA as concerns and objections to the Environment Agency issuing a permit for BREP to operate.**

1. This plant is to incinerate waste wood which will produce vast quantities of very fine particulate matter, which research shows is very hazardous to health.
2. If the plant burns contaminated wood the emissions will contain heavy metals such as arsenic, chromium, copper and lead, which will also lead to ill health amongst the community, including cancer.
3. As the plant has applied to burn "Refuse derived fuel" which will include waste plastics (including PVC), at the relatively LOW temperature of 850 degrees C, it will produce dioxins which are extremely toxic and hazardous to health.
4. There is a risk that the "Solid Recovered Fuel" will contain waste from Landfill sites nearby, causing further unknown emissions.
5. Peel Energy's claims to be able to control/abate nitrogen oxides are based on flawed information from theoretical plants.
6. The plant's old-fashioned, bag-filtration system will not be able to filter out the above emissions.
7. The plant is next to an Air Quality Management Area, which is already high with pollution. There are also five gas engines burning methane and producing carbon dioxide at the United Utilities facility next door. The site is also close to Trafford Park and developments in Carrington which also creates atmospheric pollution.
8. The plant has applied for a chimney stack which is only half the height of comparable incinerator plant. This will not allow emissions to be dispersed adequately.
9. Peel Energy's modelling of emissions from the stack does not take account of increased turbulence due to Barton Bridge motorway traffic and the Chill Factor<sup>e</sup> building. Although it considers wind direction, it does not consider rain or inversions. Concentrated emissions could be grounded very close to the plant.
10. Pollution from HGVs will add to the general level of pollution. But as the HGVs are in the inside lane of the M60 whilst ascending Barton High Level Bridge, they will slow that lane even further. The low gear of all this traffic will cause even more pollution for people around Junction 11.
11. Noise and vibration from the plant and HGVs is of great concern.
12. Areas affected by the Plant's emissions will suffer from degeneration at a time when local authorities are trying to enhance the area. People may wish to leave the area, but can't sell their homes because no-one wants to come into the area. House prices will plummet.