

CHEMTRAILS IMPACT ON THE ENVIRONMENT AND HUMAN BRAINS

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Humans have undeniably affected the atmosphere and air quality of our planet. However, because most gasses are invisible to the human eye, it can be hard to physically see some of the changes we've brought about. Smog, exhaust from cars and trucks and smoke from chimneys and fires are a few of the visible signs, but one of the most intriguing visual manifestation of how we've changed the atmosphere are the jet trails left behind by airplanes.

Airplane pollution still represents a small share of the toll from all kinds of air pollution. First and foremost, jet engines release a large number of greenhouse gases as a result of burning jet fuel. However, unlike automobiles or power plants that release their gases on the ground, jet engines are usually releasing their chemicals in the sky. This means that there's no opportunity for nature to absorb and clean out these gases, and they go directly into the atmosphere, and higher areas of our air, where they can do more damage. This exhaust released by jet engines has been tested by scientists, and it's been found to be amazingly hazardous not only to the environment, but to human health as well.

Next to the negative impact of these factors is the theory about government conspiracy connected with jet exhaust. In 1996, a chemtrail conspiracy theory began to circulate when the United States Air Force (USAF) was accused of "spraying the US population with mysterious substances" from aircraft "generating unusual contrail patterns." This theory is that chemicals are being added to jet fuel turning contrails into chemtrails (the term *chemtrail* is a combination of the words "chemical" and "trail"). The government then uses ground technology to superheat the air, releasing those chemicals. Depending on the type of chemical, rain clouds will form, or be prevented from forming. As a result the government can control droughts, floods, even hurricanes.

Furthermore chemtrail conspiracy theorists believe that some contrails, which consist of ice crystals or water vapor condensed behind aircraft, actually result from chemicals or biological agents being deliberately sprayed at high altitude for some undisclosed purpose. The staple of right-wing radio shows in the US, there is fevered speculation that the chemicals being sprayed are part of a wider plot that involves the so-called New World Order and is being directed by shadowy forces within the government.

Various versions of the chemtrail conspiracy theory have circulated through Internet websites and radio programs. In some of the accounts, the chemicals are described as barium and aluminum salts, polymer fibers, thorium, or silicon carbide. In other accounts it is alleged the skies are being seeded with electrically

conductive materials as part of a massive electromagnetic superweapons program based around the High Frequency Active Auroral Research Program (HAARP). Those who believe in the conspiracy say the chemtrails are toxic, but the reasons given by those who believe in the conspiracy vary widely, spanning from military weapons testing, chemical population control, to global warming mitigation measures.

Due to the popularity of the conspiracy theory, official agencies have received thousands of complaints from people who have demanded an explanation. The existence of chemtrails has been repeatedly denied by scientists around the world, who say the trails are normal contrails. The United States Air Force states that the theory is a hoax which "has been investigated and refuted by many established and accredited universities, scientific organizations, and major media publications." The United Kingdom's Department for Environment, Food and Rural Affairs has stated that chemtrails are not scientifically recognized phenomena.

Nowadays in Ukraine this theme is not so popular and widespread, so we can't obtain some comments of native investigators. However, aircrafts are flying in our sky and we are not immune from unfamiliar external influences. So airplane pollution could be an important focus for investigation in the future.

The problem exists, and we cannot be completely sure of what really chemtrails are and why they are needed (if not to take into account the environmental pollution). Only future studies can show us the whole picture of the current situation, and then the aviation agency will consider how to regulate airplane emissions to cut their impact.

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