

NEXUS3 FOUNDATION

NEWSLETTER #11



Rapat Steering Committee dengan Aliansi Zero Waste Indonesia (AZWI) dan Kunjungan ke Tempat Pembuangan Akhir Bantar Gebang:

Pada tanggal 25-20 Januari 2022, [Aliansi Zero Waste Indonesia \(AZWI\)](#) mengadakan pertemuan tahunan yang dihadiri oleh seluruh anggotanya secara tatap muka dan daring di Jakarta. Pertemuan tahunan ini diselenggarakan oleh Sekretariat AZWI bertujuan merancang Rencana Strategis Tahunan untuk tahun 2022. Rencana ini akan digunakan sebagai dasar AZWI dan organisasi-organisasi anggotanya untuk berkegiatan sepanjang tahun 2022. Rencana Strategis Tahunan 2022 ini akan membahas setiap isu strategis dan juga project-project yang dilakukan oleh AZWI.

Pada pertemuan tahunan AZWI kali ini, juga diadakan kunjungan lapangan ke TPST Bantar Gebang di Bekasi, untuk melihat beberapa solusi pengolahan sampah di tingkat hulu yang telah dilaksanakan oleh Pemerintah Provinsi DKI Jakarta, antara lain PLTSa Merah Putih dan Landfill Mining.

Steering Committee Meeting with Zero Waste Indonesia Alliance (AZWI) and Visit to Bantar Gebang Landfill:

On January 25-20 2022, [Aliansi Zero Waste Indonesia \(AZWI\)](#) held an annual meeting which was attended by all members. The meeting was held in person and online. This annual meeting organized by the AZWI Secretariat aims to design an Annual Strategic Plan for 2022. This plan will be used as the basis for AZWI and its member organizations to carry out activities throughout 2022. Annual Strategic Plan discussed every strategic issue as well as projects that are done by AZWI.

In addition to the meeting, a field visit was also held to the Bantar Gebang Landfill in Bekasi, to see several solutions for waste management that have been implemented by the DKI Jakarta Provincial Government, including PLTSa Merah Putih and Landfill Mining.



Rapat Strategis Komunikasi AZWI

Pada tanggal 29 Januari 2022, [Aliansi Zero Waste Indonesia \(AZWI\)](#) mengadakan pertemuan tahunan yang dihadiri oleh petugas komunikasi secara tatap muka dan daring di Jakarta. Pertemuan tahunan ini diselenggarakan oleh Sekretariat AZWI bertujuan merancang Rencana Strategis Komunikasi Tahunan untuk tahun 2022. Rencana ini akan digunakan sebagai dasar AZWI dan organisasi-organisasi anggotanya untuk berkegiatan sepanjang tahun 2022. Rencana Strategis Tahunan 2022 ini akan membahas setiap isu strategis dan juga project-project yang dilakukan oleh AZWI.

AZWI Communication Strategic Meeting

On January 29, 2022, the [Aliansi Zero Waste Indonesia \(AZWI\)](#) held an annual meeting attended by face-to-face and online communication officers in Jakarta. This annual meeting organized by the AZWI Secretariat aims to design the Annual Communication Strategic Plan for 2022. This plan will be used as the basis for AZWI and its member organizations to carry out activities throughout 2022. This 2022 Annual Strategic Plan will discuss every strategic issue as well as projects by AZWI.

RECENT RESEARCH ON UV-328 FURTHER PROVES ITS POTENTIAL TO UNDERGO LONG-RANGE TRANSPORT, BIOACCUMULATE, AND CAUSE HARM

Therese Karlsson, PhD, Pamela Miller, MSc, and Sara Brosché, PhD

BACKGROUND

UV-328 is manufactured at annual global production volumes exceeding 1 000 tons (UNEP/POPS/POPRC.17/4). It is used as a UV absorber, i.e., to protect against degradation from sunlight. It is used in plastics and cosmetics and is part of several consumer products including coating products, adhesives and sealants, sunscreen, food contact materials, and plastics.

In Europe, UV-328 is identified as a substance of very high concern (SVHC), requiring authorization before usage. Chemicals that are on this list have properties that can cause serious and lasting effects on human health and the environment. UV-328 is included on this list since it is a very persistent, very bioaccumulative (vPvB) chemical, as well as a persistent, bioaccumulative and toxic (PBT) chemical (ECHA, 2014, 2020).

Currently it is being assessed as a persistent organic pollutant (POP), to be included in the Stockholm convention for reduction or elimination. In 2021 the

POPs Review Committee concluded that all criteria in Annex D are fulfilled, meaning that it is persistent, bioaccumulating, has a potential for long-range environmental transport and negatively affects humans and/or the environment. The next step is for the committee to adopt the risk profile and decide “whether the chemical is likely, as a result of its long-range environmental transport, to lead to significant adverse human health and/or environmental effects, such that global action is warranted”.

There are increasing data supporting the listing of UV-328 and this research brief summarizes research that IPEN has conducted during 2021, along with other recent scientific findings on UV-328.

RECENT FINDINGS ON UV-328 AND HUMAN HEALTH

UV-328 is a persistent, bioaccumulative and toxic chemical. Earlier assessments have shown that, in mammals, UV-328 can cause adverse effects for several organs including the liver and kidneys. Repeated oral administration has been shown to lead to necrosis and proliferation of bile duct epithelia in the liver. For

SUMMARY OF IPEN DATA ON UV-328 2021-2022



TOYS

Twenty-two toys from Russia, Indonesia, and China were analyzed. All contained UV-328 and the concentrations ranged from 20 to 46 822 µg/kg (Appendix 2).

HAIR ACCESSORIES

Six hair accessories from China, Indonesia, and Russia were analyzed for UV-328. The results showed that UV-328 was present in all samples in ranges from 272-984 µg/kg (Appendix 2).

BEACHED PELLETS

Beached pellets from 22 different countries were analyzed. UV-328 was present in 92% (101/110) of the samples in concentrations ranging from 2-883 µg/kg (Karlsson, 2021).

RECYCLED PELLETS

24 samples of recycled pellets were collected in 23 countries. 71% of the samples contained UV-328 in concentrations ranging from 0.1-334 µg/kg (Brosché et al., 2021).

Laporan 1: Komunikasi Penelitian UV-328 Terkini (IPEN, 2022)

Saat ini UV-328 sedang dikaji sebagai polutan organik persisten (POP), untuk dimasukkan dalam konvensi Stockholm untuk pengurangan atau eliminasi. Pada tahun 2021 Komite Peninjau POPs menyimpulkan bahwa semua kriteria dalam Lampiran D terpenuhi, yaitu bersifat persisten, ter-bioakumulasi, berpotensi untuk transportasi lingkungan jarak jauh dan berdampak negatif pada manusia dan/atau lingkungan. Langkah selanjutnya, komite mengadopsi profil risiko dan memutuskan “apakah bahan kimia tersebut mungkin, sebagai akibat dari transportasi lingkungan jangka panjangnya, menyebabkan dampak merugikan yang signifikan terhadap kesehatan manusia dan/atau lingkungan, sehingga tindakan global untuk mencegahnya dapat dijamin”.

Terdapat peningkatan data yang mendukung pencatuman UV-328 dan ringkasan penelitian ini merangkum penelitian yang telah dilakukan IPEN selama tahun 2021, bersama dengan temuan ilmiah terbaru lainnya tentang UV-328.

Laporan dapat diakses [disini](#)

Report 1: UV-328 Latest Research Communications (IPEN, 2022)

Currently UV-328 is being assessed as a persistent organic pollutant (POP), to be included in the Stockholm convention for reduction or elimination. In 2021 the POPs Review Committee concluded that all criteria in Annex D are fulfilled, meaning that it is persistent, bioaccumulating, has a potential for long-range environmental transport and negatively affects humans and/or the environment. The next step is for the committee to adopt the risk profile and decide "whether the chemical is likely, as a result of its long-range environmental transport, to lead to significant adverse human health and/or environmental effects, such that global action is warranted".

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Reports can be accessed [click here](#)

Country Situation Reports

Plastic Waste Management and Burden in Indonesia



Updated
January 2022



Laporan 2: Laporan Situasi Negara - Pengelolaan dan Beban Sampah Plastik di Indonesia (Nexus3 Foundation, 2022)

Laporan ini menggambarkan kondisi pengelolaan sampah dan isu pencemaran plastik secara umum di Indonesia, dimulai dari kerangka kebijakan, proses ekstraksi, pemegang investasi, tingkat produksi plastik, potongan pajak dari para produsen plastik, hingga pengolahan sampah plastik di tahapan akhir daur hidup plastik. Laporan ini akan secara resmi diluncurkan pada Hari Peduli Sampah Nasional 2022 pada akhir Februari 2022 nanti, berkolaborasi dengan [Aliansi Zero Waste Indonesia](#).

Laporan dapat diakses [disini](#)

Report 2: Country Situation Report - Plastic Waste Management and Burden in Indonesia (Nexus3 Foundation, 2022)

Report 2: Country Situation Report - Plastic Waste Management and Burden in Indonesia (Nexus3 Foundation, 2022)

This report covers waste and plastic pollution issues by setting the situational landscape of regulatory framework, extraction process, its relevant investment, plastic production rate, tax holidays for plastic producers, until plastic waste treatment at its end-of-life cycle. The official release of this report will be held on the National Waste Day 2022 at the end of February 2022, in collaboration with [Alliance for Zero Waste Indonesia](#).

Reports can be accessed [here](#)



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