



ANSI-NSP N 145-2024
Date: July 18, 2024

Draft Agenda

ANSI Nanotechnology Standards Panel (ANSI-NSP)
www.ansi.org/nsp

Standards Needs for Nanoplastics

Registration can be found here:

https://register.ansi.org/standards_needs_for_nanoplastics_2024

September 10, 2024
9.00 a.m. – 4.30p.m. EDT

September 11, 2024
9.00 a.m. – 1.00 p.m. EDT

This is a draft agenda and will be adjusted as necessary until the ANSI-NSP meeting

DAY 1: SEPTEMBER 10, 2024, 9.00 A.M. – 4.30 P.M. EDT.

1.0 Welcome and Discussion of Goals for this Workshop

ANSI-NSP Co-Chair Shaun Clancy will review the goals of this Workshop

2.0 Overview of work underway: Presentations from U.S.-based Standards Development Organizations (SDOs) on their current work in nanotechnology standardization

Shaun Clancy

One of the key roles of the ANSI-NSP is to serve as the cross-sector coordinating body for the purposes of facilitating the development of standards in the area of nanotechnology.

SDOs working in this technology space are invited to provide presentations on relevant work. Please contact Heather Benko (hbenko@ansi.org) by August 15, 2024 if you wish to present.

3.0 U.S. Government interest relative to nanoplastics

4.0 Consideration of background information shared in advance of the ANSI-NSP webmeeting and general discussion of nanoplastics

In advance of this meeting, a number of reading materials will be shared with participants to help facilitate a discussion of the following questions:

- What are the specific issues/concerns surrounding nanoplastics?
- How are nanoplastics different from microplastics? How are they the same as microplastics?
- What international activities are underway to consider and respond to the impact of nanoplastics on human health and the environment?
- Are there industry activities underway consider and respond to the impact of nanoplastics on human health and the environment?
- What is the U.S. Government (both in terms of regulatory & research) doing to consider and respond to the impact of nanoplastics on human health and the environment?

5.0 Consideration of current nanotechnology standards: Can existing documents and efforts be utilized for nanoplastics?

The work programs of a number of standards activities will be shared in advance of this meeting. Participants are asked to consider if any of these current efforts can be utilized for nanoplastics? If not, can the existing standards be modified to meet the needs for nanoplastics?

6.0 Break-out sessions to gather participant input on nanoplastics standardization

Breakouts to commence at 1 p.m. ET and will end the meeting day at 4:30 p.m. ET

Charge to breakout groups: Each breakout will be a moderated discussion to improve the shared understandings on each topic and identify how SDO's could initiate standards development activities such as Technical Reports, Technical Specifications and International Standards. Identification of priority areas for standards in nanoplastics is an important goal for each session.

Session 1 – Terminology

There are already terms developed by SDO's for plastics and for nanomaterials. What are the additional terminology needs? Are nanoplastics always a waste or can nanoplastics be intentionally produced?

Session 2 – Measurement and Characterization

There are already standards and technical reports for measuring physical, chemical and performance properties for a variety of nanomaterials. Can they be used for nanoplastics? If not, what makes nanoplastics distinct from other classes of nanomaterials?

Session 3 – Health & Environmental Impacts

There is a broad concern about the occurrence of nanoplastics in the environment and human exposure to nanoplastics through consumer use and in the workplace. Are nanoplastics different from other nanomaterials? If so, how? There are existing standards and technical reports addressing nanomaterials generally and for some specific nanomaterials. Are these standards applicable to EHS concerns for nanoplastics? If not, what is missing?

DAY 2: SEPTEMBER 11, 2024, 9.00 A.M. – 1:00 P.M. ET

Opening Speaker – To be confirmed

7.0 Presentation – Consideration of nanoplastics in Korea.

8.0 Open discussion of Breakout outcomes and proposed priority areas for standardization:
Shaun Clancy

9.0 Wrap-up and Next Steps

10.0 Adjournment