

## Advisory Board on Toxic Substances and Worker Health

June 17, 2024

Ms. Julie A. Su  
Acting Secretary, U.S. Department of Labor  
Frances Perkins Building  
200 Constitution Ave.  
Washington, DC

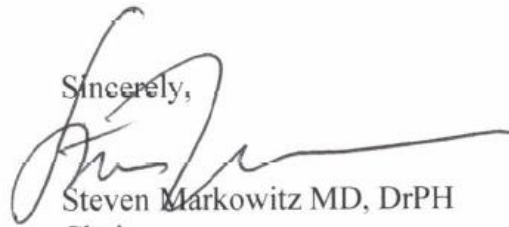
Dear Ms. Su:

I am pleased to transmit a recommendation of the Department of Labor Advisory Board on Toxic Substances and Worker Health in relation to the Board's advisory capacity to the Energy Employees' Occupational Illness Compensation Program (EEOICP). It was adopted unanimously at our meeting on May 8-9, 2024 meeting. It is:

*Review of IARC Probable Carcinogens (a) for Inclusion in the Site Exposure Matrices*

The Board hopes that our input is useful to EEOICP. It remains an honor for the Board to be consulted on important issues that face the Program. I would be pleased to answer any questions.

Sincerely,



Steven Markowitz MD, DrPH

Chair

Advisory Board on Toxic Substances  
and Worker Health

## **Review of IARC Probable Carcinogens (a) for Inclusion in the Site Exposure Matrices**

Advisory Board on Toxic Substances and Worker Health Recommendation

(Adopted by the Advisory Board on Toxic Substances and Worker Health,  
May 8-9, 2024)

### Recommendation

The ABTSWH recommends that the EEOICP accept the determination of Paragon Technical Services that trivalent antimony (lung cancer) and 1,1,1 trichloroethane (multiple myeloma) are two IARC 2a carcinogens, as documented in the report of the Paragon Technical Services dated August 3, 2023. The Board recommends that these toxic substances and their specific cancer links be added to the Site Exposure Matrices.

### Rationale

The Board reviewed the report entitled *Paragon Technical Services, Inc. (PTS) Review of International Agency for Research on Cancer (IARC) Monographs Issued in 2021-2023 for Applicability for Integrating the Cancer Classifications into the Site Exposure Matrix (SEM) Database*, issued August 3, 2023. The Board finds that the report was comprehensive and well-reasoned in its review and conclusions. The report concluded that two carcinogens rated 2a by IARC in IARC Monographs 126-131 represent toxic substances that were used at DOE in the past and for which there is scientific evidence linking these agents with specific human cancer sites. These agents are trivalent antimony and 1,1,1 trichloroethane. The former is linked to lung cancer and the latter to multiple myeloma. In accordance with EEOICP policy and prior actions, the Board recommends that these agents and their cancer links be added to the Site Exposure Matrices.