

Notice of Opportunity for Public Comment

Notice of Revision to NJDEP Division of Air Quality Risk Screening Worksheet for Long-Term Carcinogenic and Noncarcinogenic Effects and Short-Term Effects as Listed in Technical Manual 1003 “Guidance on Preparing a Risk Assessment for Air Contaminant Emissions”

Take notice that the New Jersey Department of Environmental Protection (Department) is seeking public comment on the draft revised “NJDEP Division of Air Quality Risk Screening Worksheet for Long-Term Carcinogenic and Noncarcinogenic Effects and Short-Term Effects (Worksheet),” screening tool to determine the health impacts of air toxics generated through the inhalation pathway. This Worksheet is an optional tool that regulated facilities can use to demonstrate negligible health risk without conducting a refined risk assessment, pursuant to N.J.A.C. 7:27-8.5, for Preconstruction Permits, and N.J.A.C. 7:27-22.8, for Operating Permits. Facilities may choose to determine health risks with a refined risk assessment and not use the Worksheet.

The following information is necessary input to the Worksheet to assess the potential for health impacts: maximum annual and hourly emissions of each air toxic, stack height, and stack distance to the property boundary. The use of the Worksheet in the risk assessment process is described in Section 2.0 “Risk Screening” of Technical Manual 1003 (TM1003) “Guidance on Preparing a Risk Assessment for Air Contaminant Emissions.” Notice of Availability of Final Revisions to Technical Manual 1003 was published in the New Jersey Register (50 N.J.R. 2430(a)) on December 3, 2018. TM 1003 is available at: <https://www.state.nj.us/dep/aqpp/downloads/techman/1003.pdf>.

TM1003, Appendix C, “Methodology and Assumptions Used to Generate the Air Impact Values for the NJDEP Risk Screening Worksheet” summarizes how the normalized impact values for the point sources evaluated by the revised Worksheet were developed. Changes to the existing Worksheet are as follows:

- To be protective, the minimum stack height requirement for sources to use the Worksheet has been raised from 10 feet to 15 feet.
- Sulfuryl fluoride, carbonyl sulfide, and 1-bromopropane (n-propyl bromide) have been added to the Worksheet. The following air toxics are currently on the Worksheet but have had their “Toxicity Values for Inhalation Exposures” revised: benzo(a)pyrene, trimethylbenzene, ethylene oxide, chlordane, glutaraldehyde, hydrogen sulfide, toluene, toluene diisocyanate, methylene diphenyl diisocyanate, tetrachloroethylene (perchloroethylene), ethylene glycol mono-n-butyl ether, and phosphine. These additions and revisions are based on data issued by USEPA Integrated Risk Information System, California Environmental Protection Agency, and other recognized scientific entities that identify and characterize the health hazards of chemicals found in the environment.

- A clarification has been made to the nickel and nickel containing compounds risk factors to make the Worksheet consistent with the corresponding reporting thresholds in N.J.A.C. 7:27-17.9(b) Table 2.

The draft Worksheet and Fact Sheet are available for review on the Department's website at <http://www.state.nj.us/dep/aqpp> under "Program Update" and at <http://www.nj.gov/dep/baqp> under "What's New." Technical questions on the draft Worksheet can be submitted to the Department by e-mailing NJDEP-BAQP@dep.nj.gov, or by contacting the Bureau of Evaluation and Planning at (609) 292-6722. Please include in the subject line of the email the following, "Comments on Revisions to Risk Screening Worksheet and Fact Sheet 2019-01".

Submit comments by close of business June 10, 2019 electronically at NJDEP-BAQP@dep.nj.gov. The Department encourages electronic submittal of comments. In the alternative, comments may be submitted on paper to:

Attention: Comments on Revisions to NJDEP Division of Air Quality Risk Screening Worksheet for Long-Term Carcinogenic and Noncarcinogenic Effects and Short-Term Effects

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After the Department reviews and evaluates all comments received, the Worksheet will be revised, as necessary, and a notice will be published on the Department's website.