

The HRA Tool was first released on 10/31/2024. The following feature additions and bugfixes have since been implemented (most recent change first)

V 1.1.0: 11/22/2024

- Uploaded emission rates were inadvertently being rounded to 4 digits. This was increased to 8 significant figures.
- Added a new tab in the downloaded Excel file of Tier 2 and 3 downloads to show HI breakdowns on a per-TAC per-receptor basis. Stacked barcharts of these data and MICRs are also included. Tier 1 output files also contain the per-TAC breakdown of Screening Indices.
- HI breakdown table and plot identifies the maximally impacted target organ.
- Interactive versions of the above plots are displayed on the web page.
- RELs are shown in the Tier 1 display and also written to the downloadable files.
- Added ability to enter AERSCREEN concentrations at multiple receptors, for scaling uploaded TAC emission rates. Users can change the number of receptors.
- When scaling user- supplied emission rates by AERSCREEN concentrations:
 - Chronic and cancer risks are based on annual emissions spread over 8760 hours. Users enter the total annual emissions and the tool handles the division by 8760 internally.
 - Acute and 8-hr impacts are based on hourly emission rates.

V 1.1.1: 12/27/2024

- Clarified the units when entering AERSCREEN concentrations to be scaled by uploaded emission rates, in the Tier 3 tab. AERSCREEN needs to be run with an emission rate of 1 lb/hr (or 0.12611 g/s) and the resulting hourly max concentration entered as [(ug/m3)/(lb/hr)].
- Fixed a small bug in the Cancer Burden calculation. It is now based on the highest cancer risk at residential or worker receptors, and is only calculated when either of these MICRs are ≥ 1 .

V 1.1.2: 2/4/2025

- Fixed a minor bug where the results of Tier 2 assessments for Gasoline Dispensing Facilities could not be downloaded.
- Tier 2 assessments for Gasoline Dispensing Facilities were inadvertently displaying stacked barplots of Chronic Hazard Indices. Only Cancer risks are applicable to these sources.

V 1.2.0: 3/1/2025

- Updated health data tables to use the latest version OEHHA released on 1/7/2025
- Corrected an error in the AERMOD simulations that inadvertently tripled the concentrations from spray booths. This only affected spray booths with a deemed-complete date between November 1 2024- February 28 2025.
- Added a feature to download tables containing MultiPathway Adjustment Factors, Target Organ list, Cancer risks and Tier 1 screening levels by TAC, Dispersion factors by meteorological site, AQMD Rule 1401 TACs, other constants used in the HRA, and the R workspace 'RData' file containing these data. Besides the RData file which contains all data, other tables returned are applicable on the user-selected deemed-complete date.
- In the Tier 2 tab, added a file upload box when the user selects a Gasoline Dispensing Facility (GDF) as the source type. This allows the user to upload a previously-downloaded Tier 2 data file. In the past, selecting any GDF as the source type would hide the file upload option.
- Fixed a bug where, in the rare instance of the same TAC appearing more than once in an uploaded emissions file, the total risk was summed incorrectly.
- Fixed a bug where the app did not work when special characters were used in the facility name.