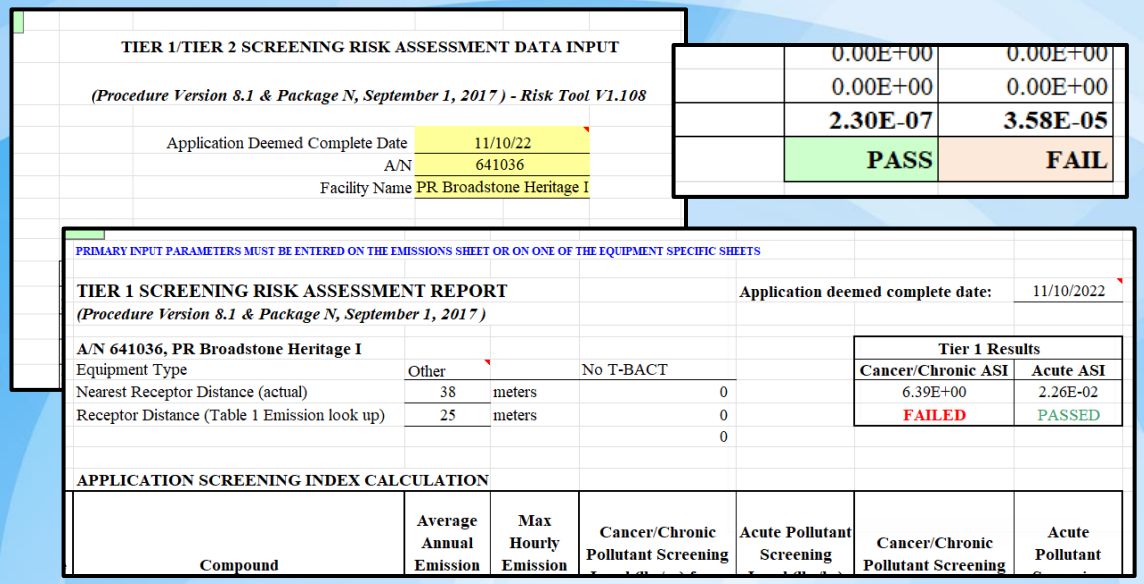
Overview



TIER 1/TIER 2 SCREENING RISK ASSESSMENT DATA INPUT

(Procedure Version 8.1 & Package N, September 1, 2017) - Risk Tool V1.108

Application Deemed Complete Date 11/10/22
A/N 641036
Facility Name PR Broadstone Heritage I

	0.00E+00	0.00E+00
	0.00E+00	0.00E+00
	2.30E-07	**3.58E-05**
	PASS	**FAIL**

PRIMARY INPUT PARAMETERS MUST BE ENTERED ON THE EMISSIONS SHEET OR ON ONE OF THE EQUIPMENT SPECIFIC SHEETS

TIER 1 SCREENING RISK ASSESSMENT REPORT
(Procedure Version 8.1 & Package N, September 1, 2017)

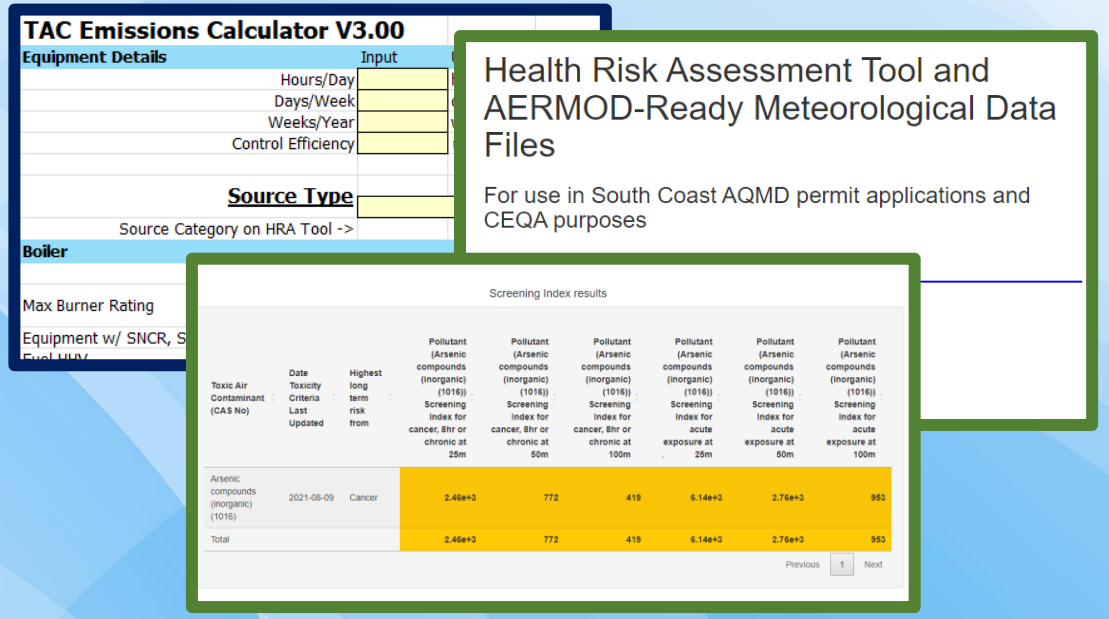
Application deemed complete date: 11/10/2022

A/N 641036, PR Broadstone Heritage I

				Tier 1 Results	
Equipment Type	Other		No T-BACT	Cancer/Chronic ASI	Acute ASI
Nearest Receptor Distance (actual)	38	meters	0	6.39E+00	2.26E-02
Receptor Distance (Table 1 Emission look up)	25	meters	0	FAILED	PASSED
			0		

APPLICATION SCREENING INDEX CALCULATION

Compound	Average Annual Emission	Max Hourly Emission	Cancer/Chronic Pollutant Screening	Acute Pollutant Screening	Cancer/Chronic Pollutant Screening	Acute Pollutant



TAC Emissions Calculator V3.00

Equipment Details Input

Hours/Day
Days/Week
Weeks/Year
Control Efficiency

Source Type

Source Category on HRA Tool ->

Boiler

Max Burner Rating

Equipment w/ SNCR, S

Health Risk Assessment Tool and AERMOD-Ready Meteorological Data Files

For use in South Coast AQMD permit applications and CEQA purposes

Screening Index results

Toxic Air Contaminant (CAS No)	Date Toxicity Criteria Last Updated	Highest long term risk from	Pollutant (Arsenic compounds (inorganic) (1016)) Screening Index for cancer, 8hr or chronic at 25m	Pollutant (Arsenic compounds (inorganic) (1016)) Screening Index for cancer, 8hr or chronic at 50m	Pollutant (Arsenic compounds (inorganic) (1016)) Screening Index for cancer, 8hr or chronic at 100m	Pollutant (Arsenic compounds (inorganic) (1016)) Screening Index for acute exposure at 25m	Pollutant (Arsenic compounds (inorganic) (1016)) Screening Index for acute exposure at 50m	Pollutant (Arsenic compounds (inorganic) (1016)) Screening Index for acute exposure at 100m
Arsenic compounds (inorganic) (1016)	2021-08-09	Cancer	2.46e+3	772	419	6.14e+3	2.76e+3	953
Total			2.46e+3	772	419	6.14e+3	2.76e+3	953

Previous Next

Previous Risk Tool

- Equipment-Specific Emission Factors and Manual Input
- Tier 1/2/3 HRA

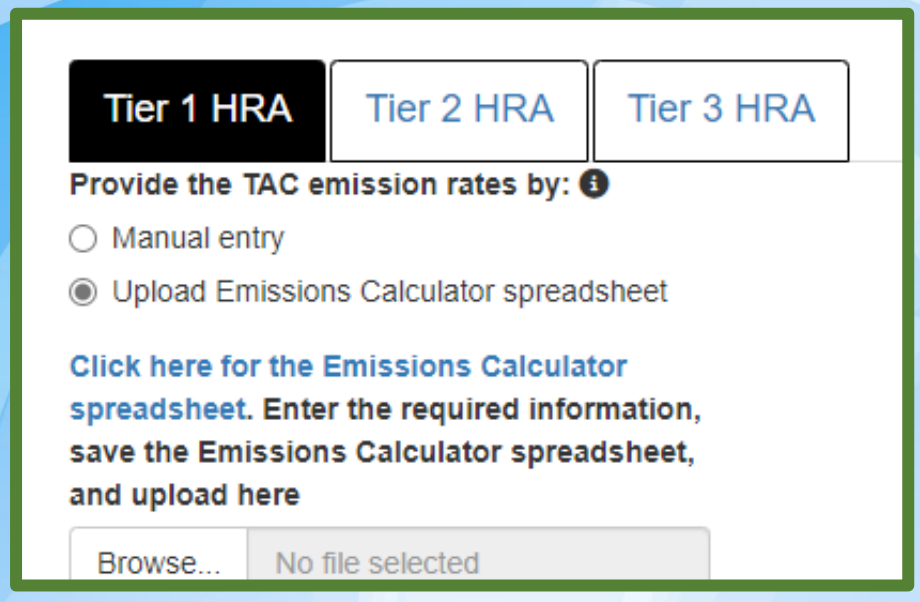
New Emissions Calculator Spreadsheet

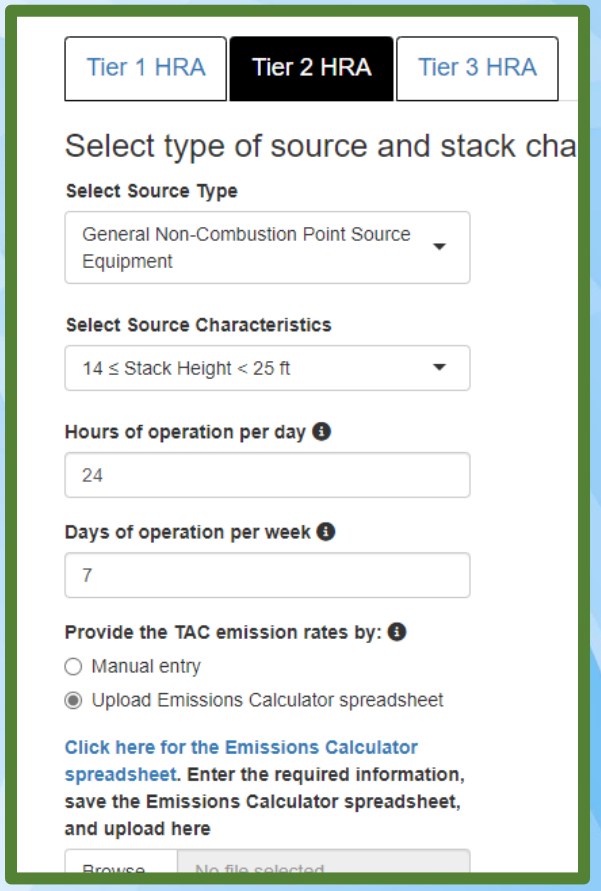
- Equipment-Specific Emission Factors and Manual Input

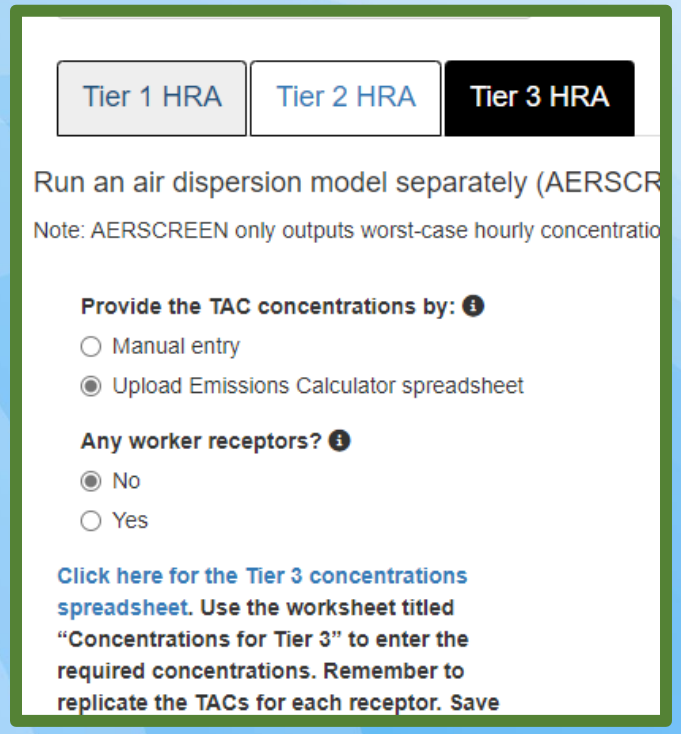
New Health Risk Assessment (HRA) Tool

- Manual Input of Emissions or Import Spreadsheet
- Tier 1/2/3 HRA

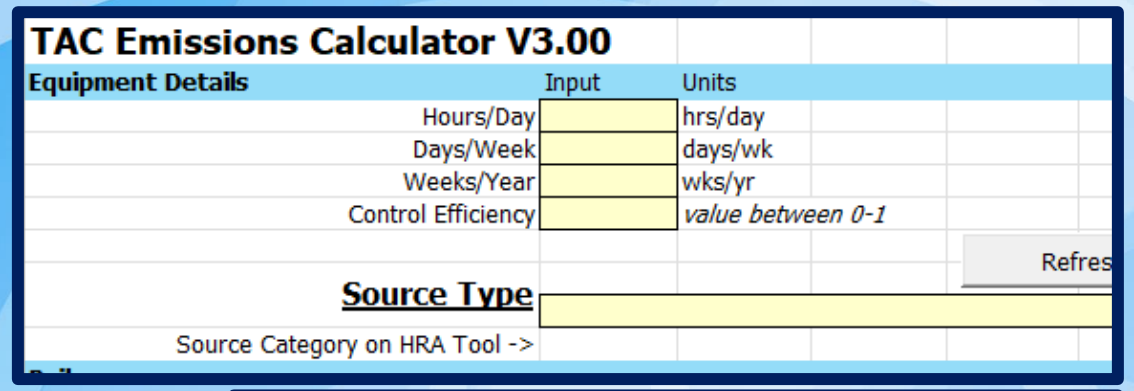
Where do I find the Emissions Calculator Spreadsheet?







Emissions Calculator Spreadsheet Overview



Compound*	CAS #	EF (*) (lbs/mmcf)	R1 (lbs/hr)	R2 (lbs/hr)	R1 (lbs/yr)	R2 (lbs/yr)	Toxic NSR Entry R1 (Uncontrolled) (E-06 lbs/hr)	Toxic NSR Entry R2 (Controlled) (E-06 lbs/hr)
Acetaldehyde	75070	0.0015	0.000375	0.0003375	1.092	0.9828	375	337.5
Arsenic	7440-38-2	0.00058	0.000145	0.0001305	0.42224	0.380016	145	130.5
Benzene	71432	0.00072	0.00018	0.000162	0.52416	0.471744	180	162
Beryllium	7440-41-7	0.00002	0.000005	0.0000045	0.01456	0.013104	5	4.5
Cadmium	7440-43-9	0.00016	0.00004	0.000036	0.11648	0.104832	40	36
Chromium, hexavalent (&	18540-29-9	0.00019	4.75E-05	4.275E-05	0.13832	0.124488	47.5	42.75

- Light yellow boxes identifying which fields need to be filled in
- Maintained and updated equipment emission factors
- Recognizable layout from previous spreadsheet

Demo

- Boiler
- Other
- Concentrations for Tier 3 HRA