

South Coast Air Quality Management District 21865 Copley Drive, Diamond Bar, CA 91765-4182 (909) 396-2000 • www.aqmd.gov

Attachment A

HEALTH RISK ASSESSMENT SUMMARY FORM

(Required in Executive Summary of HRA)

Facility Name :	University of California Riverside						
Facility Address:	900 University Ave.						
	Riverside, CA 92521						
Type of Business:	Public rese	arch university					
SCAQMD ID No.: 49387							
A. Cancer Ris	(One in a million means one chance in a million of getting cancer from being constantly exposed to a certain level of a chemical over a period of time)						
1. Inventory Reporting Year : 2013							
2. Maximum Cancer Risk to Receptors : (Offsite and residence = 30-year exposure, worker = 25-year exposure)							
a. Offsite*	86.6	86.6 in a million Location:			469800 UTME, 3759200 UTMN (onsite the university)		
b. Residence	9.2	in a million	Location:	470200 UTME, 3759500 UTMN (onsite the university)			
c. Worker	7.2	in a million	Location:	469800 UTME, 3759200 UTMN (onsite the university)			
3. Substances Accounting for 90% of Cancer Risk: DPM, PAH, benzene							
Processes Accounting for 90% of Cancer Risk:				R219 rental DICEs, Lothian Hall sources, other fugitives			
4. Cancer Burden for a 70-yr exposure: (<i>Cancer Burden</i> = [<i>cancer risk</i>] x [# of people exposed to specific cancer risk])							
a. Cancer Burden 0.05							
b. Number of people exposed to >1 per million cancer risk for a 70-yr exposure 17737							
c. Maximum distance to edge of 70-year, 1×10^{-6} cancer risk isopleth (meters) 1875 m from center of facility							
B. Hazard Indices [Long Term Effects (chronic) and Short Term Effects (acute)] (non-carcinogenic impacts are estimated by comparing calculated concentration to identified Reference Exposure Levels, and expressing this comparison in terms of a "Hazard Index")							
1. Maximum Chronic Hazard Indices:							
a. Residence HI			470200, 375950		ogical endpoint:	respiratory	
b. Worker HI :	0.07		469800, 375940		ogical endpoint:	respiratory	
2. Substances Accounting for 90% of Chronic Hazard Index: nickel, DPM, arsenic							
3. Maximum 8-hour Chronic Hazard Index:							
8-Hour Chronic	H <u>0.02</u>	Location:	469900, 375930	00 toxicol	ogical endpoint:	respiratory	
4. Substances Accounting for 90% of 8-hour Chronic Hazard Index: nickel, formaldehyde							
5. Maximum Acute Hazard Index:							
PMI: 6. Substances Acco			470200, 376000 Hazard Index:	00 toxicol	ogical endpoint: benzene	immune system	
C. Public Notification and Risk Reduction							
 Public Notification Required?YesXNo a. If 'Yes', estimated population exposed to risks > 10 in a million for a 30-year exposure, or an HI >1 							
2. Risk Reduction Requ	uired?	Yes	XNo				

*This receptor is onsite the university and represents the point of maximum impact (PMI) only. Other onsite receptors are also evaluated to account for residential housing.



Via Email and Certified Mail, return receipt requested

February 22, 2019

Amanda Grey Environmental Program Manager University of California Riverside 900 University Ave. Riverside, CA 92521

Subject: Approval of AB 2588 Health Risk Assessment (HRA) for University of California Riverside (SCAQMD Facility ID No. 49387)

Dear Ms. Grey:

This letter provides an update to the November 15, 2018 approval letter from SCAQMD regarding the HRA submitted by University of California Riverside (UCR) pursuant to the Air Toxics "Hot Spots" Act (AB 2588) and South Coast Air Quality Management District's (SCAQMD) Rule 1402. You requested a clarifying note to the HRA Summary Form to show that the maximum cancer risk of 86.6 in a million is onsite for the facility. The revised form is shown in Attachment A to this letter.

If you have any questions regarding this letter, please contact either Robert Wu, Air Quality Specialist, at (909) 396-3303, or Victoria Moaveni, Program Supervisor, at (909) 396-2455.

Sincerely,

Tracy A. Goss, P.E. Planning & Rules Manager Planning, Rule Development & Area Sources

TG:VM:FC:RW

Attachment:

A. HRA Summary Form (revised)