

received 2/8/19  
LTP

CITY OF BRISBANE  
OPEN SPACE AND ECOLOGY COMMITTEE  
APPLICATION

TO: HONORABLE MAYOR AND CITY COUNCIL

I am a resident of the City of Brisbane and am interested in being considered for appointment on the Open Space and Ecology Committee.

Name: Deb Horen

Address: [Redacted]

Home Phone: [Redacted] Work Phone: same

Cell Phone: same Email Address: [Redacted]

How long have you lived in Brisbane? 5 years

Occupation: HR Consulting - presently joined a biotech

Employer's Name: Corvus Pharmaceuticals

Present Position: Head of HR Length of Employment: 1 yr at Corvus 12 years consulting

Why do you want to be a member of the Open Space and Ecology Committee?

Climate Change is our gravest threat. I believe in thinking globally and acting locally to contribute to a better world. Brisbane has a rich legacy of environmental preservation & conservation. I want to throw my shoulder to the wheel and keep Brisbane at the forefront of

Please list any background information (business, education, personal) that might be useful, especially concerning activities that demonstrate your record of public service and commitment to the community. a sustainable world.

Worked for the City & County of SF for 16+ years running a Media Dept for the PVC -

In Brisbane I served on Mountain Watch, am an active Lion, and advised Village Helping Hand.

Water, Hatch Hatchy, MUNI, MTC was active in many political groups & served on committees. In San Diego (14 years) I was active in many environmental & open space groups, including Swift Rider

What do you feel you could contribute to the Open Space and Ecology Committee? Preserve  
Please provide information that demonstrates your interest in open space and ecological Calavera  
issues. etc.

I have worked extensively with City Planners, have fundraising experience and am involved with the New Green Deal - I am committed to creating an economy that makes our communities sustainable, healthy & just. Preserving our environment and sustainability/conservation practices will help Brisbane and help our planet.

Do you have any personal financial interest in any vacant, undeveloped property in Brisbane?

Yes:  No:

If yes, please list:

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Date: Feb 8, 2019

Signature: 



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What do you feel you could contribute to the Open Space and Ecology Committee?  
Please provide information that demonstrates your interest in open space and ecological issues.

I was trained as a chemical engineer, and decided to pursue a path doing environmental work to do what I thought might be more interesting and impactful work. While I think my professional background in environmental work will be a very nice fit, I think what really is important is that I grew up in Brisbane (lived here since 5 years old), and I have two daughters now and I would continue to pursue what is best for Brisbane and our community in the future. Things have changed, but I always thought this is a special place with San Bruno Mountain and the great local community. I've been participating in many years also in clean up even (e.g. the annual Lagoon clean up) and the canyon areas. I think the OSEC role would allow me to be more active community member

Do you have any personal financial interest in any vacant, undeveloped property in Brisbane?

Yes: \_\_\_ No:  \_\_\_

If yes, please list:

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Date: 2/14/2019

Signature: \_\_\_\_\_



# Carl Wai Dat Lam

## SUMMARY

Environmental professional with corporate and research experience in waste management, environmental stewardship, technology development and environmental regulations.

### *Expertise Areas*

waste management, oil & gas industry, electronics waste management, regulatory implementation, pollution prevention, materials selection, life cycle assessment, environmental/chemical regulations (RoHS, REACH, GHS, RCRA, California Title 22), toxics use reduction, industrial ecology, project management/consulting

## EDUCATION

**Ph.D.** Materials Science and Engineering with Minors in Green Engineering, UC Davis, 2007 - 2011

**Dissertation:** *Integrating Hazardous Materials Characterization and Assessment Tools to Guide Pollution Prevention in Electronic Products and Manufacturing* (Advised by Prof. Julie M. Schoenung)

**B.Sc. (Honors)** Chemical Engineering, UC Davis, 2003 – 2007

## PROFESSIONAL EXPERIENCE

**Waste Technology Engineer/Soils Remediation Technology Development Team Lead,**  
Energy Technology Company, Chevron Corp.  
San Ramon, California – June 2017 – present

- Lead R&D projects to improve management of high-priority oil & gas waste streams including mercury, naturally-occurring radioactive materials, hydrocarbon impacted sludges, soils and sediments in Chevron operations. Support legislative / regulatory advocacy initiatives on O&G waste management topics.

**Lead Environmental Engineer,** Chevron North America Exploration & Production Co., Chevron Corp.  
Bakersfield, California -- January 2015 – June 2017

- Provide technical advisement and support on environmental issues, new regulatory implementation / compliance, and lead for waste & water management strategies in Chevron's San Joaquin Valley Business Unit, one of the largest U.S. oil & gas exploration and production operations.

**Environmental Project Manager,** Energy Technology Company, Chevron Corp.  
Houston, Texas -- February 2012 – January 2015

- Environmental project manager with waste management focus at Chevron coordinating technology development projects for implementation across upstream operations. Provided waste management planning support for Chevron's upstream business units at international regions including travel to various locations such as Indonesia, Kurdistan, Angola, Bangladesh and Kazakhstan. Sponsored domestic university funding for oil and gas waste-related research such as recycling of drill cuttings into proppants for hydraulic fracturing in shale gas extraction.

**Doctoral Researcher, UC Davis**

Davis, California -- September 2007 – December 2011

- PhD dissertation on application of environmental and hazardous materials assessment tools to guide pollution prevention during the design, manufacturing and waste management of electronics. Held teaching assistant positions and guest lectured for undergraduate chemical engineering and materials science courses on process design, environmental management and materials science fundamentals.

**Product Safety and Regulatory Affairs, Procter and Gamble Corp.**

Cincinnati, Ohio -- June 2011 - August 2011

- Summer research internship at P&G's Miami Valley Innovation Center to evaluate life cycle environmental impacts of sourcing renewable plastics (bio-polyethylene) to be used in P&G's consumer products. Investigated end-of-life management strategies for disposal of Pampers® diapers.

**Research Engineer, Energy Technology Company, Chevron Corp.**

Houston, Texas -- June 2009 - August 2009

- Summer internship in soils remediation team supporting research and technology development of emerging subsurface soil contamination and carbon isotope-based well leak detection technologies.

**Project Management Internship, Environmental Management Company, Chevron Corp.**

Bakersfield, California -- June 2008 - September 2008

- Environmental project management internship concentrating on well abandonment, site remediation and facilities decommissioning activities from legacy production operations at Chevron.

**Environment Consultant Internship, SOMA Environmental Consulting**

- Coordinated groundwater and soil sampling and data analysis for a Bay Area environmental consulting firm.

**ACTIVITIES AND AWARDS**

- Silverspot Nursery School, Board of Directors (Co-Treasurer), 2019
- Chevron's Influential Leadership Program (ILP) nominee, 2016
- Co-Host of Chevron's Waste and Water Management Technical Conference in San Luis Obispo, CA (100+ environmental experts from global business units), 2014
- Technical Article Reviewer, Various international journals including: *Integrated Environmental Assessment and Management*, *Waste Management*, *Environmental International* and others, 2011-present
- Presenter at various international environmental-related conferences (2007 – present)
- Mentor for National EnvironMentors Program for Highlands Academy High School in Sacramento, California, 2009-2011
- Invitee at the first E-waste Academy Program, United Nations University at Eindhoven, Netherlands, September 2009
- Chevron Scholarship – Recipient of industry scholarship for graduate studies, 2008-2010
- Department Citation for Outstanding Graduating Student (*Highest Department Award*), UC Davis, 2006-2007
- Chevron Scholarship – Recipient of industry scholarship for undergraduate studies, 2006-2007
- Tau Beta Pi Engineering Honors Society, 2006-2007
- American Institute of Chemical Engineers – Treasurer, 2006-2007
- Arthur Kennedy Scholarship – Received \$20,000 scholarship for undergraduate tuition, 2003-2005

- Terra Nova High School Salutatorian

## SELECTED PUBLICATIONS

Hoffmann, R. **Lam, C.W.** Graham, A., and Webb, L., 2016. Construction Waste Generation and Minimization for Major Gas Processing Facilities. *Society of Petroleum Engineers*. SPE-179484-MS.

**Lam, C.W.**, Lim, S.R. and Schoenung, J.M., 2013. Linking material flow analysis with environmental impact potential: Dynamic Technology Transition Effects on Projected E-waste in the United States. *Journal of Industrial Ecology*, 17(2), pp.299-309.

**Lam, C.W.**, Lim, S.R., Ogunseitan, O.A., Shapiro, A.A., Saphores, J.D.M., Brock, A. and Schoenung, J.M., 2013. Integrating toxicity reduction strategies for materials and components into product design: A case study on utility meters. *Integrated environmental assessment and management*, 9(2), pp.319-328.

**Lam, C.W.**, Aguirre, M.P., Schischke, K., Nissen, N.F., Ogunseitan, O.A. and Schoenung, J.M., 2012. International harmonization of models for selecting less toxic chemical alternatives: Effect of regulatory disparities in the United States and Europe. *Integrated environmental assessment and management*, 8(4), pp.723-730.

Schoenung, J.M. and **Lam, C.W.**, 2012. Hazardous material characterization and assessment. In *Encyclopedia of Sustainability Science and Technology* (pp. 4846-4865). Springer New York.

**Lam, C.W.**, Lim, S.R. and Schoenung, J.M., 2011. Environmental and risk screening for prioritizing pollution prevention opportunities in the US printed wiring board manufacturing industry. *Journal of hazardous materials*, 189(1), pp.315-322.