POLLUTION CONTROL ASSOCIATION OF THE PHILIPPINES
REGION IV-A CHAPTER, INC.
PCOs helping PCOs

23 September 2019

ATTENTION : ACCREDITED POLLUTION CONTROL OFFICER/s (PCOs) DUE FOR ACCREDITATION RENEWAL

RE : ADVANCED TRAINING COURSE FOR POLLUTION CONTROL OFFICERS: AIR QUALITY MANAGEMENT

Dear Sir/Madam:

Pollution Control Association of the Philippines, Inc. Region IV-A, a recognized training institution by DENR-EMB (COR No. 2019-04-ATM-N), is happy to announce that we will conduct an "**Advanced Training Course on Air Quality Management**" on **December 3-5, 2019 at the Splash Mountain Resort and Hotel, Km 58, Brgy. Lalakay, Los Baños, Laguna.**

We are inviting your PCO/s to attend this Advanced Training, as its program will be most beneficial to *PCOs whose accreditations are due for renewal*. The key learning objectives of this training are: (i) To discuss relevant policy issuances and updates on Air Quality Management; (ii) PCOs to understand the monitoring protocols and procedures of stack sampling and ambient air sampling; (iii) PCOs to be able to conduct an emission inventory for stationary, mobile and area sources; (iv) PCOs to understand the mechanism for cleaner production, air pollution control and abatement; and (v) PCOs to understand the air dispersion modeling (vi) PCO to be able to revisit and update their respective EMP and EMoP.

Training fee shall be Php 9,500.00 and will be inclusive of meals (lunch, morning and afternoon snacks), training materials, electronic copies of presentation materials in USB drive and PCO's training certificate. Fees exclude accommodations. Slots are limited to 50 pax, and registration is on a first-come, first-served basis.

Please click this link to register: **REGISTER ONLINE** or visit our website at www.pcapi-r4.org.ph

For additional queries, kindly contact: PCAPI Region IV-A Secretariat Office at (0917-814-4751 / 0998-534-7850); Tel. No.: 049-5011706) / E-mail Address: pcapi.calabarzon@gmail.com

Thank you very much and we look forward to see you at the Training!

Very truly yours,

Rasmiah M. Malixi
President, PCAPI Region IV-A Chapter

(049) 501-1706
+63 917 814 4751 / +63 998 534 7850
pcapi.calabarzon@gmail.com / pcapir4a@yahoo.com
pcapi-r4.org.ph
facebook.com/pcapicalabarzon
Room 409 4th Floor Vega Centre, College, Los Baños, Laguna, Philippines

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PCOs helping PCOs

WHY ATTEND THIS TRAINING?

This Advanced Training Course will form part of PCO's continuing education and orientation programs in upgrading their capabilities in managing your company's environmental compliance and keeping abreast with recent environmental laws and regulations. Furthermore, this requirement is in line with the implementation of DA0-2014-02 (Revised PCO Accreditation Guidelines) and EMB MC-2019-004 (Advanced Training Modules for Pollution Control Officers). Attendance to this Advance Training Course shall be equivalent to 20 accredited training hours which may be used as part of the required training hours for PCO Re-accreditation.

WHO SHOULD ATTEND?

The program will be most beneficial to accredited PCOs due for accreditation renewal.

WHY TRAIN WITH PCAPI R4A?

- ✓ We are a recognized training institution by DENR-EMB: Basic Training for PCO and 8-hour Seminar for Managing Heads (COR No. 2019-09-R) and Advanced Training Modules for PCOs (COR No. 2019-04-ATM-N)
- ✓ We are SEC Registered and BIR Registered
- ✓ We are the first and only training institution under the Department of Environment and Natural Resources (DENR) to have been accredited as a Continuing Professional Development (CPD) Provider for Mechanical and Sanitary Engineers, by the Professional Regulation Commission (PRC)
- ✓ We were named 4-time Best PCAPI Chapter and hailed as first Hall of Fame Awardee by PCAPI National
- ✓ We were recently recognized and awarded by DENR-EMB R4A as Outstanding Training Institution during the 2019 Environmental Summit
- ✓ We have the largest membership of Pollution Control Officers in the country

KEY LEARNING OBJECTIVES

1. To discuss relevant policy issuances and updates on Air Quality Management
2. PCOs to understand the monitoring protocols and procedures of stack sampling and ambient air sampling
3. PCOs to be able to conduct an emission inventory for stationary, mobile and area sources
4. PCOs to understand the mechanism for cleaner production, air pollution control and abatement
5. PCOs to understand the air dispersion modeling
6. PCO to be able to revisit and update their respective EMP and EMoP

COURSE DURATION: 20 Hours

THE TRAINERS

Engr. MELCHY C. ENRIQUEZ

Education
- B.S. Chemical Engineering, Batangas State University
- Diploma in Environment and Natural Resource Management
  University of the Philippines Open University

Professional Background
- Licensed Chemical Engineer
- Asset Manager & Pollution Control Officer at Prime Meridian Powergen Corporation/ 115MW Avion Open Cycle Power Plant (2016-present)
- Asset Manager & Pollution Control Officer at FGP Corp.-Sta Rita and San Lorenzo Combined Cycle Power Plant (2004-2016)
- Lead EMS (ISO 14001:2004) Auditor
- PCAPI-R4A Outstanding PCO Award, 2010

Engr. JERICK P. PECASO

Education
- MS Environmental Engineering, Post Graduate (Thesis Writing),
  Mapua Institute of Technology, Manila
- Environment and Sanitary Engineering, Partido State University, Goa Camarines Sur

Professional Background
- Batangas State University OIC-Director, EMU Pollution Control Officer
  OSH Practitioner (2009- 2019)
- Freelance Consultant

Professional Practice
- DOLE-BWC OSH Practitioner
- Licensed Sanitary Engineer
- Registered Master Plumber
- Licensed Environmental Planner
- DENR-EMB Accredited Pollution Control Officer
- PCAPI-R4A Outstanding PCO Award, 2014
- Plumbing/Wastewater Engineering Design
- Academic Thesis Adviser
- Consultancy on DENR reports
- Consultancy on DOLE reports
- Industrial and Construction Safety and Health Program

COURSE OUTLINE AND SCHEDULE

Day 1*
Registration **Opening Program**

Topic 1: Salient Points of RA 8749 (Philippine Clean Air Act), IRR, DAOs, JAOs, MCs and Other Updates
• Presentation of the salient points of the law including updates
• Related Administrative Orders:
  • DAO 2000-81
  • Phil National Standards for fuels
  • MC on installation of CCTV for in-house and interconnection with EMB
  • LGU initiatives
  • Financial Incentives
  • Status of the Airshed quality and updates on the Airshed governing board

Topic 2: Stack and Ambient Air Monitoring •Stack monitoring for Industry and Air Quality Management •Observer's Checklist •Ambient Air Sampling and Monitoring
Topic 3: Emission Inventory for Stationary, Mobile, and Area Sources • Estimation and Calculations of Air Pollutant Emission for Stationary using AP 42 Model (TSP, SOx, NOx, VOC, CO) • Estimation on Area Source and Mobile using AP 42 Model
***with 15-minute morning snacks, 1-hour lunch break, 15-minute afternoon snacks**
Day 2*
Recapitulation

Topic 4: Overview: Pollution Control Technologies and Abatement Strategies
• Overview of Sources and Control, Cleaner Production, Design of APCF
• (Basic Design & Operation Principles of Common Air Pollution Control Devices - Bagfilter, Air Scrubber, Electrostatic Precipitator, etc. (Focus is on the APCD design & operation)
• Fuel Quality
  Cleaner production
  Control of Mobile Source Pollutants / Motor Pool Management
• Ambient Air Improvement Measures
  Industry experience using Coal (Based on GHG and TSP concerns) or Industry Experience on the control of SOx, NOx, Particulates

Topic 5: Continuous Emission Monitoring Installation Protocols (CAMS/ CEMS/ RATA/ CGA/ COMS) DAO 2007-22 (Reference) • Continuous Emission Monitoring Installation Protocols (CAMS/ CEMS/ RATA/ CGA/ COMS) DAO 2007-22

Topic 6: Principles and Guidelines in Air Dispersion Modelling
• Basic Meteorology, Pathways and Receptor Dynamics
• Air Dispersion Modelling
  Subtopics:
  •Overview of air dispersion modelling (MC 2008-003, Guidelines on Air Dispersion Modelling) including basic protocol on the installation of local weather station equipment.
  •Meteorology, pathways, receptors dynamics
  •Relevance and application of air dispersion modelling

***with 15-minute morning snacks, 1-hour lunch break, 15-minute afternoon snacks**

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Day 3*
Topic 7: Workshop: Environmental Management Plan and Monitoring Plan on Air Emission • Workshop on EMP • Cost benefit analysis of the plan
Topic 8: Plant Visit for Examples of Best Practices
Closing Program
***with 15-minute morning snacks, 1-hour lunch break, 15-minute afternoon snacks**

MODE OF PAYMENT

☐ Cash
☐ Cheque: Please prepare cheque payable to **PCAPI-REGION 4A CHAPTER, INC.**
☐ Deposit through Bank:

Account Name	:	PCAPI REGION 4A CHAPTER, INC.
Account No	:	0911-0147-42
Name of Bank	:	Bank of the Philippine Islands (BPI)
Branch	:	Los Baños, Laguna
TIN No. (Non-VAT Reg.)	:	008-429-752-000

To receive a confirmation of your registration fee, please email deposit slip to
pcapi.calabarzon@gmail.com

The

ENVIRONMENTAL MANAGEMENT BUREAU
of the
Department of Environment and Natural Resources

presents this

CERTIFICATE OF COMPLETION

to

MELCHY C. ENRIQUEZ

of

PCAPI REGION 4A

for having completed the
Trainors' Training on Advanced Training Module on Air Quality Management for Pollution Control Officers

held from 24 to 27 April 2019
at the ICON Hotel, Quezon City.

ENGR. METODIO U. TURBELLA
Director

CO-2019-796

The

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of the
Department of Environment and Natural Resources

presents this

CERTIFICATE OF COMPLETION

to

JERICK P. PECASO

of

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for having completed the
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ENGR. METODIO U. TURBELLA
Director

CO-2019-790