

PROGRAM 2021



**ALYPZ
RADIATION SAFETY
TRAINING**



**AELB
CEP POINTS
AWARDED**

WORKING TOWARDS A SAFER ENVIRONMENT



asia lab

1985

Established as Asia Lab Equipments, mostly supplying laboratory equipments



1999

Officially known as Asia Lab, focus on radioactivity laboratory and radiological services



2017

Rebranded as ALYPZ to reflect our growth and venturing into comprehensive HSSE services locally and Internationally



ALYPZ MISSION

To be one-stop solution provider for occupation health, safety, security and environment assessment, certification and advisory services.

Alypz evolved into provision of radiation protection consultation, management of radiation facilities and radioactive materials and audit on irradiating apparatus for medical facilities.



ALYPZ VISION

To help customers creating a safe and secure environment for their employees, business partners and communities around them by delivering quality services and industry relevant best practises.

With our years of experience and available resources, Alypz has demonstrated its excellent ability to become a respected company, serving International corporations such as PETRONAS, SHELL, TOTAL, ExxonMobil, Kuwait Oil Company (KOC) and healthcare companies such as KPJ, Gleneagles and IHH Healthcare in providing a holistic management of health, safety, security and environment (HSSE) at their work place.

ALYPZ SERVICES



RADIOLOGICAL SERVICES

- i. Radiation and Environmental Assessment Programme
- ii. TENORM/LSA Monitoring
- iii. TENORM Decontamination Services
- iv. Radiological Impact Assessment
- v. Radiation Safety Analysis
- vi. Radioactive Balance Analysis



RADIATION SAFETY SERVICES

- i. Radiation Protection and Consultancy Services
- ii. Radiation Leak Test Services
- iii. Radiation Protection Program
- iv. Radiological Emergency Plan
- v. Radioactive Security Plan
- vi. Import/Export & Transportation of Radioactive Materials



INDUSTRIAL HYGIENE SERVICES

- i. Chemical Health Risk Assessment (CHRA)
- ii. Chemical Exposure Monitoring (IH1)
- iii. Local Exhaust Ventilation Inspection (IH2)
- iv. Indoor Air Quality Assessment (IAQ)
- v. Noise Exposure Monitoring (NRA)



TRAINING SERVICES

- i. Radiation Safety Awareness Training
- ii. TENORM Safety Awareness Training
- iii. Radiation Protection Training for Officers
- iv. HAZMAT Awareness Training
- v. Continuous Medical Education (CME)



LABORATORY SERVICES

- i. Radioactivity Analysis Laboratory
- ii. Radiation Dosimetry Services Laboratory



EQUIPMENT SUPPLIES

- i. Radiation Monitoring Equipment
- ii. Scientific Laboratory Equipment
- iii. Medical Equipment



MEDICAL RADIATION SERVICES

- i. Quality Assurance Tests and Certification for Diagnostic Radiology Facilities,
- ii. Quality Assurance Tests for Associated Facilities
- iii. Leak Test for Sealed Source (Healthcare)



PRODUCTION SURVEILLANCE SERVICES

- i. Field Operations i.e. Onsite Real-Time Contaminants Sampling and Analysis
- ii. Mercury Integrated Services
- iii. Hazardous Material Decontamination Services
- iv. Hazardous Waste Management



ALM100 RADIATION SAFETY AWARENESS TRAINING KURSUS KESEDARAN KESELAMATAN SINARAN



Introduction

Alypz Sdn Bhd is a licensed training and consultancy agency approved by the AELB, Malaysia. We provide training and consultancy services for the sectors involved with radioactive materials and irradiating appliances.

The course provides the fundamentals of regulatory requirements, policies and implementation practices for working with and supervising those who work with radioactive materials and irradiating appliances. The aim of this safety awareness training program is to help participants provide a safe environment for employees working in their organizations.

Who Should Attend

Company RPO, radiation workers, AELB License Holder (OBTL), radiographer and researchers, personnel dealing with radiation material, equipment & TENORM, any employee who are interested in radiation protection / safety awareness.

Methodology

- Participation Lecture
- Demonstration
- Discussion

Course Objectives

- Understand the best practises of protection from radiation risks and accidents
- Have detailed knowledge and understanding of ionizing radiation and their hazards and risks to our health
- Understand the legal requirement under Act 304

Course Contents

- | | |
|---|---------------------------------------|
| - Fundamental of Radioactivity | - Dose Limitation |
| - Radiation Unit | - Radiation Protection Programme(RPP) |
| - Biological Effects of Radiation | - Radiation Safety Procedures |
| - Radiation Safety | - Emergency Plan |
| - Instrumentation / Radiation Detection | - Radiation Regulation in Malaysia |

**Introduction**

The exposure to radiation sources (TENORM, gauging) and irradiating appliances in various industries are increasing due to rapid development. To minimize radiation exposure, awareness among people dealing with radiation is important. The training is designed based on the standard syllabus for the Radiation Protection Officer (RPO) competency training, provided by the National Committee for the Certification of the RPO. The objective of this course is to provide the participants with complete information/knowledge before sitting for the RPO examination.

Who Should Attend

Those who are looking to be certified as Radiation Protection Officer (RPO) and/or Radiation Protection Supervisor (RPS), safety officer, manager, supplier, medical officer and those who are responsible for the safe use of ionising radiation in various activities.

Course Objectives

- Understanding the philosophy and principles of radiation protection in controlling the radiation exposure from ionizing radiation
- To enhance skills and knowledge that lead to safe practice of radiation safety at workplace
- To prepare participant with complete information before sitting for RPO examination

Course Contents

- Basic Information on Ionizing Radiation
- Principles of Radiation Protection
- Biological Effects of Ionizing Radiation
- Radiation Measurement and Monitoring
- Working Procedures in Handling the Irradiating Apparatus and Radioactive Materials
- Transportation of Radioactive Materials
- Management of Radioactive Waste
- Plan and Procedures for Radiological Emergency
- Atomic Energy Licensing Act and Radiation Protection Programme
- Radiation Safety Audit
- Safety and Security of Radioactive Materials
- Safe Working Procedures
- Demonstration / Practical

ALM102

RADIATION SAFETY & EMERGENCY MANAGEMENT TRAINING KURSUS PENGURUSAN KESELAMATAN & KECEMASAN SINARAN



Introduction

This training will run concurrently with our ALM100 (Radiation Safety Awareness Training). On the second day of training we will emphasize on the management of safety and security of radiation by teaching:

- Radiological emergency procedure planning;
- Radioactive materials transportation management;
- Radioactive waste management;
- Radiation Safety Management System.

Who Should Attend

Those who are looking to be certified as Radiation Protection Officer (RPO) and/or Radiation Protection Supervisor (RPS), safety officer, manager, supplier, medical officer and those who are responsible for the safe use of ionising radiation in various activities.

Course Objectives

- Understand the best practises of protection from radiation risks and accidents
- Have detailed knowledge and understanding of ionizing radiation and their hazards and risks to our health
- Understand the legal requirement under Act 304 and how to abide by it

Course Contents

- Plan and Procedures for Radiological Emergency
- Transportation of Radioactive Materials
- Management of Radioactive Waste
- Radiation Safety Management System
- Maintenance of Radiation Sources and Safety Equipment

Methodology

- | | |
|-----------------|----------------------|
| - Lecture | - Practical |
| - Tutorial | - Case study |
| - Role play | - Video presentation |
| - Demonstration | |

ALM103R

MERCURY AND HAZMAT AWARENESS COURSE

KURSUS KESEDARAN MERKURI DAN HAZMAT

Introduction

The Mercury and Hazardous Materials Awareness Training course involves 1st half day of classroom-based theory, case studies and emphasis on mercury awareness plus it's respective regulations. The second half of the day involves detailed information on Mercury Personnel Protective Equipment (PPE) both theoretical and practical applications. Theory of Mercury Decontamination and Waste Handling Process will be covered inclusive of handling, loading, transportation and methods such as labels and markings.

The Alpyz Mercury and Hazardous Materials Awareness Training course is designed to educate learners in the best approaches to handling all aspects of minor occupational related hazardous mercury issues encountered in the Oil & Gas Industry like contaminated materials, spills and incidents in a controlled safe manner, as well as the accurate use of PPE, including the donning (putting on) and doffing (taking off) of PPE.



ALM104R

NORM/TENORM AWARENESS COURSE

KURSUS KESEDARAN NORM/TENORM

Introduction

The NORM/TENORM Awareness course is designed for the awareness level only. This basic level of NORM/TENORM Awareness Course is designed to inform the employee where they can recognize the hazard and to adhere the safe working procedures when dealing with NORM/TENORM. The Course is typically provided to oil and gas operator employees and other workers who need to understand the risks of working around NORM/TENORM. We can conduct sessions at our facility or a location of your choice. Upon completion of the course the participants will be familiar with

- What is NORM
- Where the NORM comes from
- Basic radiation safety
- Biological concerns
- Radiation safety procedures
- Legislative requirements with regards to NORM/TENORM

Both of the courses listed above are available on request basis.
Contact us and we'll set up a time and location convenient for you.

CME

CONTINUING MEDICAL EDUCATION

PENDIDIKAN PERUBATAN BERTERUSAN



Introduction

Alypz offer continuing Medical Education to enhance the doctors and radiographer knowledge regarding the basic of Ionizing Radiation, Radiation Protection, and updates on Radiography technique in Malaysia. For license renewal or professional development, doctors and radiographer will find high quality, accredited and non-accredited continuing education geared toward radiography assessment for every patient's needs.

Who Should Attend

Doctors, radiographers, trained operator, any employee who are interested in radiation protection / safety awareness.

Course Objectives

- Understand the best practice of protection from radiation risks and hazards in medical sector.
- Have detailed knowledge and understanding of ionizing radiation and their hazards and risks to our health.
- Understand the legal requirement under Act 304

Course Contents

- Basic Physics and Principles of Radiation Protection
- Radiation Hazards and Biological Effects of Ionizing Radiation
- X-ray Equipment and Associated Facilities
- Quality Assurance Programme (QAP) in General Radiography
- Legislative Requirement under Act 304 for Medical Purposes

Methodology

- Lecture
- Tutorial
- Role play
- Demonstration
- Practical
- Case study
- Video presentation

TRAINING PROGRAMME

| CODE | COURSE NAME | VENUE | DATE | AELB CEP POINTS | FEE (SINGLE) | FEE (TEAM) |
|---------|--|-------|-------------------|-----------------|--------------|------------|
| ALM 100 | Radiation Safety Awareness Training (Online Training) (Day: 1.5 days) | USJ | 3-4/2/2021 | 7.5 | 480 | 480 |
| | | USJ | 24-25/3/2021 | 7.5 | 480 | 480 |
| | | USJ | 7-8/4/2021 | 7.5 | 480 | 480 |
| | | USJ | 2-3/6/2021 | 7.5 | 480 | 480 |
| | | USJ | 7-8/7/2021 | 7.5 | 480 | 480 |
| | | USJ | 4-5/8/2021 | 7.5 | 480 | 480 |
| | | USJ | 8-9/9/2021 | 7.5 | 480 | 480 |
| | | USJ | 27-28/10/2021 | 7.5 | 480 | 480 |
| | | USJ | 17-18/11/2021 | 7.5 | 480 | 480 |
| | | USJ | 29-30/12/2021 | 7.5 | 480 | 480 |
| ALM 101 | Radiation Protection Training for Officer (RPO) (Physical Training) (Day: 9 Days) | USJ | 4-14/1/2021 | | 2550 | 2450 |
| | | USJ | 1-11/3/2021 | | 2550 | 2450 |
| | | USJ | 14-24/6/2021 | | 2550 | 2450 |
| | | USJ | 16-26/8/2021 | | 2550 | 2450 |
| | | USJ | 4-14/10/2021 | | 2550 | 2450 |
| | | USJ | 29/11 - 9/12/2021 | | 2550 | 2450 |
| ALM 102 | Radiation Safety and Emergency Management Training (Online Training) (Day: 2.5 days) | USJ | 3-5/2/2021 | 15 | 850 | 850 |
| | | USJ | 24-26/3/2021 | 15 | 850 | 850 |
| | | USJ | 7-9/4/2021 | 15 | 850 | 850 |
| | | USJ | 2-4/6/2021 | 15 | 850 | 850 |
| | | USJ | 7-9/7/2021 | 15 | 850 | 850 |
| | | USJ | 4-6/8/2021 | 15 | 850 | 850 |
| | | USJ | 8-10/9/2021 | 15 | 850 | 850 |
| | | USJ | 27-29/10/2021 | 15 | 850 | 850 |
| | | USJ | 17-19/11/2021 | 15 | 850 | 850 |
| | | USJ | 29-31/12/2021 | 15 | 850 | 850 |
| CME | Continuous Medical Education (Online Training) (Half Day) | USJ | 23/1/2021 | | 300 | 250 |
| | | USJ | 20/2/2021 | | 300 | 250 |
| | | USJ | 20/3/2021 | | 300 | 250 |
| | | USJ | 10/4/2021 | | 300 | 250 |
| | | USJ | 29/5/2021 | | 300 | 250 |
| | | USJ | 26/6/2021 | | 300 | 250 |
| | | USJ | 31/7/2021 | | 300 | 250 |
| | | USJ | 21/8/2021 | | 300 | 250 |
| | | USJ | 23/10/2021 | | 300 | 250 |
| | | USJ | 27/11/2021 | | 300 | 250 |
| | | USJ | 18/12/2021 | | 300 | 250 |



TRAINING PROGRAMME

| CODE | COURSE CODE | VENUE | DATE | FEE (SINGLE) | FEE (TEAM) |
|---------|--|---------|------------|-----------------|---------------|
| ALM 103 | Mercury Awareness Training (Online Training) (Half Day) | Miri | 26/1/2021 | 850 | 850 |
| | | Kemaman | 26/1/2021 | 850 | 850 |
| | | USJ | 2/2/2021 | 850 | 850 |
| | | Kemaman | 23/2/2021 | 850 | 850 |
| | | Miri | 16/3/2021 | 850 | 850 |
| | | Kemaman | 16/3/2021 | 850 | 850 |
| | | USJ | 6/4/2021 | 850 | 850 |
| | | Kemaman | 6/4/2021 | 850 | 850 |
| | | Miri | 24/5/2021 | 850 | 850 |
| | | USJ | 1/6/2021 | 850 | 850 |
| | | Kemaman | 22/6/2021 | 850 | 850 |
| | | Kemaman | 6/7/2021 | 850 | 850 |
| | | Miri | 27/7/2021 | 850 | 850 |
| | | USJ | 3/8/2021 | 850 | 850 |
| | | Kemaman | 24/8/2021 | 850 | 850 |
| | | Kemaman | 21/9/2021 | 850 | 850 |
| | | Miri | 22/9/2021 | 850 | 850 |
| | | Kemaman | 12/10/2021 | 850 | 850 |
| | | USJ | 26/10/2021 | 850 | 850 |
| | | Kemaman | 9/11/2021 | 850 | 850 |
| | | Miri | 23/11/2021 | 850 | 850 |
| | | Kemaman | 21/12/2021 | 850 | 850 |

NOTES

1. Training Fee (Team) refers to team registration discount. This applies to registration for 3 or more people from one organization.
2. Training Venues are listed below. Changes to venue will be notified to registered participants.
3. The prices shown are before SST, and are subjected to SST where applicable.

CANCELLATION POLICY

Course cancellation must be done not later than 5 working days to the course date, failing which the full course fee will be charged. Substitution is welcomed anytime before the course start date.

TRAINING PROGRAMME

ALYPZ TRAINING FACILITIES



ALYPZ USJ TRAINING CENTER

1, Jalan Industri USJ 1/4, Taman Perindustrian
USJ1, 47600 Subang Jaya, Selangor,
MALAYSIA TEL: +603 8023 9200 FAX: +603
8023 6530



KEMAMAN OFFICE

K 430 Tingkat 1, Taman Kemaman,
24000 Chukai, Kemaman,
Terengganu, MALAYSIA TEL: +609 850
3333 FAX: +609 850 3330



MIRI OFFICE

Lot 2562, Level 2, Jalan Bulatan Park, Bulatan
Commercial Centre, 98000 Miri, Sarawak, MALAYSIA
TEL: +6085 659 096 FAX: +6085 659 098

ALYPZ TRAINING REGISTRATION FORM

A) COURSE DETAILS

Course Code:

Date of the Course: - - 2021 ☐ Single Registration ☐ Team Registration

B) COMPANY DETAILS

Name of Company & Address:

.....

.....

Tel: Fax:

Contact Person:

Email:

C) PARTICIPANT(S) DETAILS

| No | Name (as in IC/Passport) | IC/Passport No | Email | Vegetarian yes/no |
|----|--------------------------|----------------|-------|----------------------|
| | | | | |
| | | | | |
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| | | | | |

* If there is more participants than the table allows, please attach the full list when returning this form.

D) PAYMENT & APPROVAL

Payment Type:

- ☐ Cash
- ☐ Cheque
- ☐ Online Banking
- ☐ Mastercard/Visa

All prices are subjected to SST where applicable.
Cancellation is permitted 5 days before event, any later is deemed billable.
Payment Information:
Account Name: **Alypz Sdn. Bhd.**
Bank Name: **CIMB Bank Berhad** Account No.: **8002779080**
Swift Code: **CIBBMYKL** Country: **Malaysia**
A copy of the payment slip and this form should be sent to us by fax (+603 8023 6530) or email (training.my@alypz.com)

COMPANY STAMP

Authorized Signatory:

Name: