



## **Syllabus for Safety Employee Training at ICL Factories**

### **Natural Gas**

I have reviewed the translation  
and it corresponds to the original  
Adi Dishon, CEO, EcoTraders

A. Dishon

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## **Course Information Sheet**

### **Elements of the Safety Employee Position**

- Work procedures based on elements of the position defined in labor supervision regulations (In Charge of Safety) (Revised) 1999
- Instructing contractors and employees risks at the work site
- Operate system for safety permits and authorizations for the implementations of high-risk work
- Safety supervision of construction work

### **General Course Information**

#### **1. Course objectives**

- Familiarity with the structure and activity of the natural gas system
- Familiarity with work procedures in natural gas systems
- Familiarity with methods for identifying risks in natural gas systems
- Provide tools to assess the risk level in working with natural gas systems
- Preparation for and response to emergency situations
- Provide tools to instruct managers and working teams on working safely

#### **2. Target audience**

- Safety employees (Unit managers, safety supervisors, safety inspectors)

#### **3. Length of study**

- 24 academic hours of study

#### **4. Maximum number of participants**

- 20 students per class

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## **5. Summary of course topics**

- Introduction
- Safety aspects of natural gas-related law and regulation
- Safety aspects of natural gas standards
- Familiarization natural gas system in plant
- Familiarization with maintenance procedures in natural gas systems
- Safety aspects and considerations in working with natural gas systems
- Environmental aspects and considerations in working with natural gas systems

## **6. Details of course topics**

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**Syllabus for Quality Control Employee Training at ICL**  
**Factories**

**Natural Gas**

*A. Hishen*



## **Course Information Sheet**

### **Elements of the Quality Control Employee Position**

- Identification of quality-related malfunctions and failures in the system
- Instructing managers and working teams on how to handle quality-related failures
- Continuous evaluation of parameters for quality assurance in production

### **General Course Information**

#### **1. Course objectives**

- Improved ability to instruct managers and working teams on how to take preventative and corrective action
- Identification of failures in the quality of production and the natural gas system

#### **2. Target audience**

- Employees in charge of continuous quality inspection

#### **3. Length of study**

- 24 academic hours of study

#### **4. Maximum number of participants**

- 20 students per class

#### **5. Summary of course topics**

- Introduction
- Key points in natural gas-related law and regulation
- Key points in natural gas standards
- Familiarization with actions related to natural gas systems

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- Evaluating the quality of the implementation of actions related to the gas system
- Safety aspects and considerations in working with natural gas systems
- Environmental aspects and considerations in working with natural gas systems

## **6. Details of course topics**

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## **Syllabus for Manager Training at ICL Factories**

### **Natural Gas**

*A. Dishan*



## **Course Information Sheet**

### **Elements of the Manager Position**

- Manage units and central departments in the plant
- Allocation of resources to conduct work in the plant

### **General Course Information**

#### **1. Course objectives**

- Familiarity with the major processes in the natural gas project
- Improved ability to make difficult decisions in the natural gas project

#### **2. Target audience**

- Senior managers in the plant

#### **3. Length of study**

- 8 academic hours of study

#### **4. Maximum number of participants**

- 20 students per class

#### **5. Summary of course topics**

- Introduction
- Key points in natural gas-related law and regulation
- Key points in natural gas standards
- Familiarization with the natural gas system in the plant
- Familiarization with the sources of safety dangers in natural gas systems
- Familiarization with safety, quality, and environmental impacts

#### **6. Details of course topics**

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## **Syllabus for System Analyst Training at ICL Factories**

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#### **Note**

The course is designed for employee positions as defined in the syllabus

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## **Course Information Sheet**

### **Elements of the System Analyst Position**

- Professional management of working teams
- Professional instruction of working teams on conducting regular procedures
- Identification of malfunctions and failures in the systems, mechanisms, and accessories
- Assessment of damage following an existing or potential failure
- Instructing working teams on how to address malfunctions and failures
- Formulate parameters to assure the quality of regular work procedures and handling of failures
- Inspect the quality of maintenance work

### **General Course Information**

#### **1. Course objectives**

- Identification of malfunctions and failures in natural gas systems
- Identification of dangers in natural gas systems
- Assessment of possible resolutions of malfunctions and failures in natural gas systems
- Identification of resources required to conduct maintenance
- Instruction of working teams on proper handling or malfunctions, failures, and risks

#### **2. Target audience**

- Safety employees (Unit managers, safety supervisors, safety inspectors)

#### **3. Length of study**

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- 80 academic hours of study

**4. Maximum number of participants**

- 20 students per class

**5. Summary of course topics**

- Familiarization with natural gas-related law and regulation
- Familiarization with natural gas standards
- Introduction to maintenance
- Familiarization with natural gas system in plant
- Maintenance procedures in natural gas systems
- Work procedures in natural gas systems
- Work safety in natural gas systems
- Maintenance quality

**6. Details of course topics**

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**Syllabus for Maintenance Employee Training at ICL**  
**Factories**

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## **Course Information Sheet**

### **Elements of the Maintenance Employee Position**

- Verification of proper functioning of natural gas system mechanisms and accessories
- Identify malfunctions and failures of the natural gas systems mechanisms and accessories
- Conduct welding, cutting, and grinding of parts of the structure and pipes
- Installation of new parts and accessories in the natural gas system

### **General Course Information**

#### **1. Course objectives**

- Familiarity with structure and operation of natural gas system in the plant
- Familiarity with processes and activities in the natural gas system
- Improved capability to handle malfunctions and failures in the natural gas system
- Identify dangers originating in natural gas systems

#### **2. Target audience**

- Maintenance employees (mechanics, metalworkers, welders, electricians, crane operators)

#### **3. Length of study**

- 24 academic hours of study

#### **4. Maximum number of participants**

- 20 students per class

#### **5. Summary of course topics**

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- Introduction
- Familiarization with natural gas-related law and regulation
- Familiarization with natural gas standards
- Familiarization with the natural gas system in the plant
- Maintenance procedures in natural gas systems
- Safety aspects and considerations in working with natural gas systems
- Environmental aspects and considerations in working with natural gas systems

## **6. Details of course topics**

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## **Syllabus for Inspection Employee (Operator) Training at**

### **ICL Factories**

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## **Course Information Sheet**

### **Elements of the Inspection Employee (Operator) Position**

- Supervise production process in inspection room
- Identify system failures and malfunctions
- Assessment of damage from existing or potential failure
- Conducting maintenance without halting production process in the facility
- Instruct maintenance teams on handling failures and malfunctions
- Quality inspection and conducting maintenance

### **General Course Information**

#### **1. Course objectives**

- Familiarity with structure and activity of natural gas system in the plant
- Identify malfunctions and failures in the natural gas system
- Instruct working teams on proper handling of malfunctions and failures in the natural gas system
- Conduct certain maintenance procedures
- Assess possible solutions for malfunctions and failures in the natural gas system

#### **2. Target audience**

- Operation and inspection employees

#### **3. Length of study**

- 24 academic hours of study

#### **4. Maximum number of participants**

- 20 students per class

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## **5. Summary of course topics**

- Introduction
- Familiarization with natural gas-related law and regulation
- Familiarization with natural gas standards
- Familiarization with natural gas system maintenance procedures
- Safety aspects and considerations in working with natural gas systems
- Environmental aspects and considerations in working with natural gas systems

## **6. Details of course topics**

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## **Syllabus for General Employee Training at ICL Factories**

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## **Course Information Sheet**

### **Elements of the General Employee Position**

- Provide service to production and maintenance teams
- Handling human resources

### **General Course Information**

#### **1. Course objectives**

- Familiarity with central elements of the natural gas project in the plant
- Familiarity with potential dangers of natural gas systems

#### **2. Target audience**

- Employees in administrative and other fields (office employees, kitchen, sanitation)

#### **3. Length of study**

- 4 academic hours of study

#### **4. Maximum number of participants**

- 20 students per class

#### **5. Summary of course topics**

- Introduction
- Key points of natural gas-related law and regulation
- Key points of natural gas standards
- Familiarization with natural gas system in the plant
- Safety and environmental quality

#### **6. Details of course topics**

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## **Syllabus for Engineer Training at ICL Factories**

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## **Course Information Sheet**

### **Elements of the Engineer Position**

- Planning maintenance and work procedures for natural gas systems
- Professional guidance for managers and medium-level employees
- Identification of system failures and malfunctions
- Assessment of damage resulting from existing or possible malfunction
- Quality assurance and conducting maintenance and operation

### **General Course Information**

#### **1. Course objectives**

- Improved ability to plan and conducted maintenance and operation
- Provide the tools to instruct managers on handling malfunction, failure, and risks
- Identify the resources necessary for conducting maintenance
- Identification of natural gas system failures and malfunctions and damage assessment
- Identification of dangers in the natural gas system
- Provide the tools for quality assurance and implementation

#### **2. Target audience**

- Engineers and planners from all engineering fields

#### **3. Length of study**

- 40 academic hours of study

#### **4. Maximum number of participants**

- 20 students per class

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## **5. Summary of course topics**

- Introduction
- Key points of natural gas-related law and regulation
- Key points of natural gas standards
- Familiarization with natural gas system in the plant
- Planning and conducting maintenance and operation
- Safety aspects and considerations in working with natural gas systems
- Environmental aspects and considerations in working with natural gas systems

## **6. Details of course topics**

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