

SUMMARY AUDIT REPORT FOR CYANIDE PRODUCTION OPERATIONS

Instructions

1. The basis for the finding and/or statement of deficiencies for each Production Practice should be summarized in this Summary Audit Report for Cyanide Production Operations. This should be done in a few sentences or a paragraph.
2. The name of the cyanide production operation, lead auditor signature and date of the audit must be inserted on the bottom of each page of this Summary Audit Report.
3. An operation undergoing a Code Verification Audit that is in substantial compliance must submit a Corrective Action Plan with the Summary Audit Report.
4. The Summary Audit Report and Corrective Action Plan, if appropriate, for a cyanide production operation undergoing a Code Verification Audit with all required signatures must be submitted in hard copy to:

**International Cyanide Management Institute (ICMI)
888 16th Street, NW, Suite 303
Washington, DC 20006, USA**

5. The submittal must be accompanied with 1) a letter from the owner or authorized representative which grants the ICMI permission to post the Summary Audit Report and Corrective Action Plan, if necessary, on the Code Website, and 2) a completed Auditor Credentials Form. The lead auditor's signature on the Auditor Credentials Form must be certified by notarization or equivalent.
6. Action will not be taken on certification based on the Summary Audit Report until the application form for a Code signatory and the required fees are received by ICMI from the applicable cyanide production company.
7. The description of the operations should include sufficient information to describe the scope and complexity of the cyanide production operation.

SUMMARY AUDIT REPORT

Name of Cyanide Production Facility: Cyanco Sodium Cyanide Transloading Terminal _____
Name of Facility Owner: Cyanco _____
Name of Facility Operator: Mario Drapeau _____
Name of Responsible Managers: Roy Norcross _____
Address: 33 Dumont Street, East _____
State/Province: Quebec _____ Country: Canada _____
Telephone: 203-426-8333 _____ Fax: 203-426-8387 _____ E-Mail: roy.norcross@cyanco.com

Location detail and description of operation:

Additional contact person:
Bill Clark, ESHQ Compliance Manager
Phone: 001-215-321-7226
Fax: 001-215-321-3944
bill.clark@cyanco.com

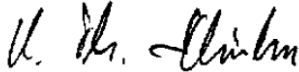
Description of operation:

The purpose of the Cadillac Terminal operation is to receive solid NaCN briquettes, to dissolve these briquettes with warm water, store the 30% NaCN solution and deliver this solution to the Cyanco customers via tanker trucks. The solid cyanide will be sent from the supplier's production facility in the USA by hopper railcars. They are parked inside the fenced Terminal area and unloaded inside the Terminal building. All three storage tanks, pipes and pumps are located in concrete dikes designed to contain the NaCN solution in case of a spill. The railcar and the tanker truck area are also in a dike as well. The tractors dedicated for hauling the tanks with cyanide solution to the Canadian customers are equipped with a state of the art Satellite Tracking System with an on board communication keyboard. Under regular conditions, two or respectively three people are working at the Terminal.

It is important to know that the Cadillac Transloading Terminal is self-contained and all operations are carried out inside the building.

Compared to the situation during the initial Code certification audit three years ago the operational processes and the technical equipment are the same. Some measures for improvement had been implemented, for example a new coating of the concrete in the process area. A new dissolving concept for the solid cyanide had been created. Through this modification the occupational safety had been improved when the hopper car is disconnected after all the cyanide was dissolved. The risk for exposure to concentrated cyanide solution is reduced and less cyanide residue will remain in the hopper cars and hoses.

Cyanco Terminal, Cadillac/Canada
Name of Facility

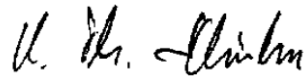

Signature of Lead Auditor

Mar 12th, 2010_
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The internal organization of the terminal and the personnel situation is still the same as three years before. It is an outstanding EHS record that the Cadillac Terminal has zero accidents in more than 14 years.

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Signature of Lead Auditor

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Date

SUMMARY AUDIT REPORT

Auditor's Finding

This operation is

- in full compliance
- in substantial compliance *(see below)
- not in compliance

with the International Cyanide Management Code.

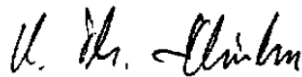
* For cyanide production operations seeking Code certification, the Corrective Action Plan to bring an operation in substantial compliance into full compliance must be enclosed with this Summary Audit Report. The plan must be fully implemented within one year of the date of this audit.

Audit Company: DQS GmbH; August-Schanz-Str. 21; D-60433 Frankfurt/Main____
Audit Team Leader: Dr. Klinken, Heinz Theo E-mail: okt.klinken@t-online.de____
Names and Signatures of Other Auditors: n.a._____

Date(s) of Audit: January 24th + 25th and March 12th, 2010 (documentation assessment)_____

I attest that I meet the criteria for knowledge, experience and conflict of interest for Code Verification Audit Team Leader, established by the International Cyanide Management Institute and that all members of the audit team meet the applicable criteria established by the International Cyanide Management Institute for Code Verification Auditors.

I attest that this Summary Audit Report accurately describes the findings of the verification audit. I further attest that the verification audit was conducted in a professional manner in accordance with the International Cyanide Management Code Verification Protocol for Cyanide Production Operations and using standard and accepted practices for health, safety and environmental audits.



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SUMMARY AUDIT REPORT

1. OPERATIONS: Design, construct and operate cyanide production facilities to prevent release of cyanide.

Production Practice 1.1: Design and construct cyanide production facilities consistent with sound, accepted engineering practices and quality control/quality assurance procedures.

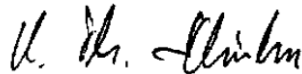
The operation is in full compliance with
 in substantial compliance with Production Practice 1.1
 not in compliance with

*Summarize the basis for this Finding/Deficiencies Identified:
The complete Transloading Terminal at Cadillac site including all equipment has been built according to Canadian regulations. The construction and the corresponding programs for Quality Assurance and Quality Control are on a high level and meet the Code's criteria. Each step of construction, implementation and realization of the facility had been regulated and approved. All activities during this phase had been supervised by competent engineers and project managers. The used materials and the installed equipment as well as the constructing activities were controlled by QA/QC procedures and were carried out by qualified personnel. Corresponding records are available, documented and retained in specific files. Final approvals and statements of the authorities are in place. The "Training and Operation Manual" describes the production process and all installed equipment on the production facility. It defines automatic systems and interlocks to shut down production and prevent releases. Technical equipment to control the production process is installed and under control. The whole cyanide transloading process is controlled, supervised and checked by an automatic control system. The Terminal is a self-contained facility where all activities are done under a roof and on a concrete floor with additional membrane. Sufficient capacity of secondary containment is available, spill prevention and containment measures for all pipelines are provided.*

Production Practice 1.2: Develop and implement plans and procedures to operate cyanide production facilities in a manner that prevents accidental releases.

The operation is in full compliance with
 in substantial compliance with Production Practice 1.2
 not in compliance with

*Summarize the basis for this Finding/Deficiencies Identified:
The Training and Operation Manual describes the production process and all installed equipment of the facility. It defines automatic systems and interlocks to shut down production systems and prevent releases. As well, technical safety equipment is installed and under control. The whole cyanide transloading process is controlled, supervised and checked by automatic systems. All storing equipment for solid and liquid cyanide is supervised and under control and under regular maintenance.*



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Cyanide detectors are in place. Exposure of solid cyanide to moisture is avoided by hermetic systems. A corresponding Emergency and Response Plan provides organization, systems and facilities to respond to and prevent unplanned releases of cyanide. An integrated management system for quality and environment acc. to ISO 9001 and ISO 14001 had been certified. All relevant procedures are described.

Production Practice 1.3: *Inspect cyanide production facilities to ensure their integrity and prevent accidental releases.*

The operation is in full compliance with
 in substantial compliance with Production Practice 1.3
 not in compliance with

Summarize the basis for this Finding/Deficiencies Identified: Cyanco provides a list representing the installation register in accordance to legislation. It covers annual routine inspections of tanks, pipelines, containments and other equipment by authorized experts and independent certified bodies. The corresponding inspection protocols state compliance with the Code's requirements. Additional routine inspections by employees (permanently) and preventive controls are considered and are part of the maintenance program. The results of those routine inspections are documented in the shift manual or in data files, respectively. Corrective actions coming out of inspections are initiated and documented in equipment manuals.

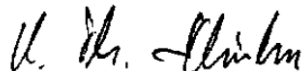
2. WORKER SAFETY: ***Protect workers' health and safety from exposure to cyanide.***

Production Practice 2.1: *Develop and implement procedures to protect plant personnel from exposure to cyanide.*

The operation is in full compliance with
 in substantial compliance with Production Practice 2.1
 not in compliance with

Summarize the basis for this Finding/Deficiencies Identified:

In accordance to Canadian law and internal requirements the Cyanco organization is enforced to perform a danger and risk analysis in which all relevant aspects are considered. By fulfilling these requirements it is ensured that the Code requirements are met. For example, the working places have been analyzed in cooperation with medical experts, doctors and safety engineers. The analysis is reviewed periodically. Preventive measures are arranged, if necessary. Within the integrated management system for quality, environment and safety Cyanco has implemented many documents to operate the facility in a sound and safe manner. Specific instructions to minimize worker exposure are developed such as general safety instructions, instructions concerning the handling of hazardous material or emergency operations. Change management is mentioned in different procedures and in the management handbook.



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Hydrogen cyanide monitoring equipment is maintained, tested and calibrated. Warning signs are installed throughout the facility; smoking, eating and drinking is prohibited. The employees demonstrated high awareness to the auditor.

Production Practice 2.2: *Develop and implement plans and procedures for rapid and effective response to cyanide exposure.*

The operation is in full compliance with
 in substantial compliance with Production Practice 2.2
 not in compliance with

Summarize the basis for this Finding/Deficiencies Identified:

The facility has developed and implemented an operational alarm and emergency response plan in accordance to Canadian law and internal Cyanco requirements. This includes the specific conditions and measures in the Transloading Terminal. All relevant aspects such as behaviour in case of emergency are taken into account. First aid and emergency response equipment (showers, eye-wash stations, fire-extinguishers, Cyano kit, MSDS and so on) are available and under control. A medical support plan with all required instruments and equipment has been implemented. In fact, the Cadillac Terminal is located in the middle of a mining area; this means that the affected institutions for support possess the necessary equipment and are well experienced. The fact that local medical facilities have the necessary skills and resources to treat cyanide exposure was verified by documents and digital photos made during simulation of emergency cases. The labeling of tanks, pipelines reactors and other items is in place. Mock emergency drills are conducted.

3. MONITORING: *Ensure that process controls are protective of the environment.*

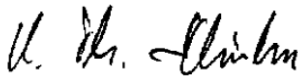
Production Practice 3.1: *Conduct environmental monitoring to confirm that planned or unplanned releases of cyanide do not result in adverse impacts.*

The operation is in full compliance with
 in substantial compliance with Production Practice 3.1
 not in compliance with

Summarize the basis for this Finding/Deficiencies Identified:

To fulfill legal and other requirements, specific environmental monitoring concerning emissions, wastewater handling, waste disposal or hazardous materials are realized. The results show that environmental impacts are under control. For example, the Cyanco facility has no direct discharge to surface water. The facility has a self-contained system with concrete floor and an additional membrane underneath. There is no beneficial use of ground water and no numerical ground water standards are applied to Cadillac at a specified point of compliance.

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A scrubber is in place to wash the volatile emissions so that, in fact, no emissions will pass. As well, no air permit is required. Different monitoring devices for controlling the environmental impact are in place; they were checked in a regular manner.

4. TRAINING: *Train workers and emergency response personnel to manage cyanide in a safe and environmentally protective manner.*

Production Practice 4.1: *Train employees to operate the plant in a manner that minimizes the potential for cyanide exposures and releases.*

The operation is in full compliance with
 in substantial compliance with Production Practice 4.1
 not in compliance with

Summarize the basis for this Finding/Deficiencies Identified:

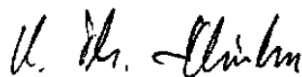
Based on their professional education, the operating employees are qualified as skilled workers which went through professional training. In addition, a training program is elaborated for each employee. This program provides several lessons concerning the general operation of the facility or the use of personal protective equipment as well as specific training concerning individual tasks. The training is provided by qualified experts and superiors. The training effectiveness is evaluated by testing, examination or observation. The training elements are documented and the records are retained according to internal requirements for several years.

Production Practice 4.2: *Train employees to respond to cyanide exposures and releases.*

The operation is in full compliance with
 in substantial compliance with Production Practice 4.2
 not in compliance with
 not subject to

Summarize the basis for this Finding/Deficiencies Identified:

The above mentioned education is the basis for the training concept which is specified to the requirements of the certain function of each employee. Training for special tasks such as first aid responder are considered. These training lessons are performed by internal and external experts or institutes. They are provided to qualify specific functions of the operation personnel and to improve their behaviour in cases of emergency such as cyanide exposure. Periodical drills are performed to optimize the response in cases of emergency; the response training is reported and evaluated, training records are retained.



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5. EMERGENCY RESPONSE: *Protect communities and the environment through the development of emergency response strategies and capabilities.*

Production Practice 5.1: *Prepare detailed emergency response plans for potential cyanide releases.*

The operation is in full compliance with
 in substantial compliance with Production Practice 5.1
 not in compliance with

Summarize the basis for this Finding/Deficiencies Identified:

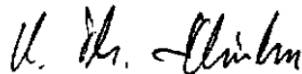
All relevant and potential failure scenarios are regulated through different plans such as: a) Emergency Response Plan, ERP and b) Emergency Response Assistance Plan, ERAP or c) DETER manual (Evonik Degussa Team Emergency Response), ERP Ecology Control Industries (ECI) or NEWALTA, which are contracted external service companies to give support in cases of emergency. In the relevant emergency situations further external responders such as fire-brigades or the medical institutions are notified. The potential failure scenarios such as catastrophic release of hydrogen cyanide, releases during loading and dissolution, during fire or equipment ruptures are considered. The plans describe specific response actions such as evacuation, notification of the neighbourhood or affected persons and communication with all relevant institutions, use of antidotes and first aid measures, handling of hazardous material or control of releases. Containment, assessment, mitigation and actions to prevent future releases are considered.

Production Practice 5.2: *Involve site personnel and stakeholders in the planning process.*

The operation is in full compliance with
 in substantial compliance with Production Practice 5.2
 not in compliance with

Summarize the basis for this Finding/Deficiencies Identified:

Tasks and responsibilities in cases of emergency are regulated by the different response plans. The certain functions such as security personnel, medical department, fire-brigade, contracted responders or the involvement of the top management are taken into account. Beside this, potentially affected communities such as local government and environmental authorities, the mayor, fire-brigades, police or hospitals are involved and well informed about the nature of the risks of the cyanide production facility. The ways of communication in general and in cases of emergency are regulated. The acting persons know each other. Documents concerning the behaviour in cases of emergency are in place at the different communities.



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Production Practice 5.3: *Designate appropriate personnel and commit necessary equipment and resources for emergency response.*

The operation is in full compliance with
 in substantial compliance with Production Practice 5.3
 not in compliance with

Summarize the basis for this Finding/Deficiencies Identified:

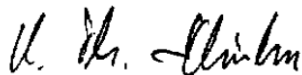
The Emergency Response Plans determine the different functions and roles with specified duties in cases of emergency such as the responsibilities of the chief emergency response coordinator, the top management or the communication manager. The Emergency Response Teams are defined, too. As mentioned above, the Cadillac Terminal provides contracted professional support within a permanent 24 hour standby service. General alarming procedures, site maps with focal points of risks, registers or lists of response equipment and inspection procedures are integrated into the plans. Mock drills are performed periodically together with production staff. Outside responders such as NEWALTA are involved in extensive mock drills. All these drills and exercises are reported and documented.

Production Practice 5.4: *Develop procedures for internal and external emergency notification and reporting.*

The operation is in full compliance with
 in substantial compliance with Production Practice 5.4
 not in compliance with

Summarize the basis for this Finding/Deficiencies Identified:

The relevant procedures are described in the above mentioned alarm and emergency response plans. They contain relevant procedures for internal and external emergency notification and reporting. The relevant contacts such as authorities, police, nearby companies, public institutions, hospitals or public media are involved. Contracted responders are considered. All emergency cases run through NEWALTA or DETER (Evonik Degussa Team Emergency Response) that is responsible for internal communication to the different levels of the management of the Cyanco organization.



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Production Practice 5.5: *Incorporate into response plans and remediation measures monitoring elements that account for the additional hazards of using cyanide treatment chemicals.*

The operation is in full compliance with
 in substantial compliance with Production Practice 5.5
 not in compliance with

Summarize the basis for this Finding/Deficiencies Identified:

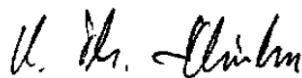
All the emergency response activities run through the activation of an external organization for support as contracted via term sheet. There is a specialist in responding against cyanide accidents and incidents. Due to their skill and in order to fulfil their requirements they will realize appropriate remediation measures if necessary and as described in the regarding documentation (e.g. ERAP). Technical and personnel response capabilities are regulated in the ERAP. If necessary, specific activities will be realized in relation to the environmental impacts. Remediation measures are integrated in this concept. Detoxification by chemical treatment is prohibited.

Production Practice 5.6: *Periodically evaluate response procedures and capabilities and revise them as needed.*

The operation is in full compliance with
 in substantial compliance with Production Practice 5.6
 not in compliance with

Summarize the basis for this Finding/Deficiencies Identified:

As stated before, the response procedures are trained periodically. Mock drills are performed, e.g. drill in July 2009. The results and reports of these drills are the basis to review the procedures. In addition, the different alarm and emergency response plans are revised once per year by the competent manager or EHS responsible, respectively. It depends on specific cases such as emergencies or technical changes. This is in accordance to the management of change procedure. A periodic review of the ERP is determined in chapter 2 of this document.



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